



# Rankings for Scientist

## University, Subject, Country, Region, World

Tunisia

Top 500 Scientists

AD Scientific Index 2023





# Tunisia Top 500 Scientists

## "AD Scientific Index 2023" World Scientist and University Rankings 2023

(Total 1.218.492 scientist, 216 country, 19.526 university)

The **AD Scientific Index (Alper-Doger Scientific Index)**, unlike other systems that provide evaluations of journals and universities, is a ranking and analysis system based on the scientific performance and the added value of the scientific productivity of individual scientists. Furthermore, it provides rankings of institutions based on the scientific characteristics of affiliated scientists.

This new index has been developed by [Prof. Dr. Murat ALPER](#) (MD) and [Associate Prof. Dr. Cihan DÖĞER](#) (MD) by using the total and last 5 years' values of the i10 index, h-index, and citation scores in Google Scholar. In addition, the ratio of the last 5 years' value to the total value of the abovementioned indexes is used. Using a total of nine parameters, the "AD Scientific Index" shows the ranking of an individual scientist by 11 subject (Agriculture & Forestry, Arts, Design and Architecture, Business & Management, Economics & Econometrics, Education, Engineering & Technology, History, Philosophy, Theology, Law / Law and Legal Studies, Medical and Health Sciences, Natural Sciences, Social Sciences and Others), 256 branch, 19,500 institution, 216 country, 10 region (Africa, Asia, Europe, North America, Oceania, Arab League, EECA, BRICS, Latin America and COMESA) and in the world. The "**AD Scientific Index**" is the first and only study that shows the total and the last five-year productivity coefficients of scientists based on the h-index and i10 index scores and citations in Google Scholar. Besides the indexing and ranking functions, AD Scientific Index sheds light on academic lives and offers the user the opportunity to perform an efficient academic analysis to scrutinize and detect faulty and unethical profiles, plagiarism, forgery, distortion, duplications, fabrication, slicing, salamization, unfair authorship, and several manifestations of academic mobbing. Such analyses also help reveal the medium and long-term results of several policies implemented by institutions, including those of the academic staff employment and retention policies, wage policies, academic incentives, and scientific working environments.

One of the major differences of the **AD Scientific Index** is the provision of the last five years' scores and the total scores of the h-index and the i10 index, and the total and last five years' number of citations. Other unique differences of the AD Scientific Index include rankings in all fields and subjects of scientific interest and the emphasis on the scientific productivity of the scientist. Productivity Rankings is a unique service offered only by "AD Scientific Index". This is a ranking system derived from the i10 index in order to show the productivity of the scientist in publishing scientific articles of value. Productivity Rankings is an instrument that lists productive scientists in a given area, discipline, university, and country and can guide the development of meaningful incentives and academic policies.

The world rankings, regional rankings, and university rankings of scientists in this table are developed based on the total i10 index. Thus, scientists and universities can obtain their

academic rankings and monitor developments in the ranking over time.

For global university rankings, ranking organizations use the following parameters including the quality of education, employment rates of graduates, the quality of faculties within an individual university, international collaborations, the number of graduates and staff awarded with Nobel Prizes and Fields Medals, the number of highly cited researchers selected by Clarivate Analytics, the total number of research papers, the number of articles published by Nature and Science journals, the number of articles indexed in Science Citation Index-Expanded (SCIE) and Social Science Citation Index (SSCI), and the number of research articles receiving a high number of citations. Each ranking organization develops a ranking methodology, which attributes different % weights to selected items out of such parameters. Experienced ranking organizations evaluate 2000 - 3000 universities for ranking.

**AD Scientific Index** performs rankings using a single parameter, which is the number of "Valued and Productive Scientists" staffed by a specific university. Selected after years of observation, this parameter is calculated using the total H-index and i10-index values together with the number of citations, and the last 5 years' total H-index and i10-index values along with the number of citations received over the last 5 years. We rank more than 19 500 universities using this method. A careful examination will reveal that most of the other parameters are representations of natural academic products of "Valued and Productive Scientists." Institutions that employ a high number of "Valued and Productive Scientists", for example, scientists in the first Top 2%, Top 10%, Top 20%, Top 40%, Top 60%, Top 80% and later ranks, respectively, will naturally produce increased numbers of academic outputs listed as the parameters above.

A comparison of "**AD Scientific Index**" scores of universities, some examples of which are given below, with the scores from other ranking institutions will show great agreement among scores. We use our methodology to rank universities of different characteristics and sizes from different countries and every continent, achieving very successful results through the yielded ranking figures. Considering the continuing processes of data entry and data cleaning for more than 19.500 universities, we foresee that data entry issues, such as not completed entries or human errors in data entry caused either by universities or our team mistakenly, will be resolved and will yield to improved accuracy of results over time.

You may sort the ranking from the highest score to the lowest or vice versa in any of these fields. You can observe the fields, which move the respective university to the forefront. Furthermore, the name of the academician with the highest total h-index in the respective university is displayed with the world ranking. Top University Ranking by "**AD Scientific Index**" will not only list the areas, where a university is the best or has room for improvement, but also reflect the outcomes of scientist policies of the institutions. This report reveals the competency of institutions to attract prized scientists and the ability of institutions to encourage advances and retain scientists.

The list of universities for ranking comparisons is presented below:

Through the contribution of many scientists from different fields, the "**AD Scientific Index**" undergoes systematic updates with the aim of continuous improvement. The index is an independent institution and does not receive any support from any institutions, organizations, countries, or funds. Concurrently with the continuous increase in the number of universities and

scientists registered to the Index, we are improving methodology, software, data accuracy, and data cleaning procedures every day through the contributions of a large team. Your remarks and contributions about our shortcomings will shed light to lead our efforts for continuous improvement.

For a more detailed explanation, please refer to our "[Methodology](#)".

AD Scientific Index Ltd.

### Methodology

Ranking academic journals according to the impact factor is a practice that started many years ago. The need to access scientifically valuable studies within limited time frames or the need to find scientists working in a certain field has led to the procedure of ranking scientists and scientific studies. For this purpose, many scoring systems such as the h-index, i10 index, g-index, m-index, the Erdős number, tori index, riq index, and read-10 index have been studied as numerical indicators showing how productive and effective a researcher is. Each of these systems has many advantages as well as disadvantages. Of the abovementioned indexes, the most accepted one is the h-index. The h-index is determined based on the number of articles cited at least  $h$  times. In order to achieve a high h-index, an academician must have a high number of articles published and have received a high number of citations. For example, an h-index value of 15 indicates that the academician has received at least 15 citations to each of the 15 articles published. In order to increase the h-index value from 15 to 16, the same academician should receive at least 16 citations to the published 16 papers. To find the h-index value, several databases can be used including Google Scholar, Web of Science, Scopus, and Publons, some of which are public or require a subscription. In the calculation of h-indexes, such databases use different parameters including SCI-E or indexed journals or non-indexed auxiliary elements such as other journals, books, or patents. Because the set of parameters used by each database are different from those used by others, each database may calculate different h-index values. Therefore, h-indexes calculated by each of the Google Scholar, Web of Science, Scopus, and Publons databases may be different for the same researcher. For example, a researcher, who has authored several books more than scientific papers, may receive a low h-index score in the Web of Science despite a high number of citations received. Neither of these indexes is equivalent to the other because of differences in their scopes.

Having a large number of publications indicates that the researcher is productive, but data alone may not be the actual indicator of the success of the researcher. For example, a researcher may have 10 publications that have received 400 citations. We can argue that this researcher is more successful than a researcher having more than a hundred published papers that received, let's say, 200 citations. Besides, some valuable studies may not have been attributed the actual value they deserved because of various reasons such as the failure of the use of adequate methods that would enable easy accessibility through scientific channels. The high number of the use of papers as references by other authors shows the value and extent of contribution to the scientific literature.

The i10-index is another academic scoring system, in which the scores are calculated by Google

Scholar. In this scoring system, only scientific studies such as articles and books that have received 10 or more citations are taken into consideration. The number of studies that have been cited ten or more times yields the i10-index value. The i10 index and the h-index values calculated for the last five years do not show that the article was written and published in the last 5 years. Instead, these values show the citation power in the last 5 years, indicating whether the paper is still effective.

Google Scholar provides both the total values of the i10-index, the h-index, and citation numbers along with the last 5 years' values through a system based on the voluntariness principle. In this system, scientists create their accounts, select their papers, and upload the selected papers onto the system. This service does not require a password and is free of charge. Here, we introduce a newly developed index that we have developed based on the public Google Scholar profiles of scientists. We named this new system the "AD Scientific Index", which we have developed through robust intellectual infrastructure and maximum efforts aiming to contribute to global scientific efforts.

### **Why is the "AD Scientific Index" needed?**

The "AD Scientific Index" is the first and only study that shows the total and the last five-year productivity coefficients of scientists based on h-index and i10 index scores and citations in Google Scholar. Furthermore, the index provides the ranking and assessment of scientists in academic subjects and branches and in 19,500 universities, 216 countries, regions, and the world. In other words, the "AD Scientific Index" provides both the ranking and analysis results. Besides the indexing and ranking functions, AD Scientific Index sheds life on academic lives and offers the user the opportunity to perform an efficient academic analysis to scrutinize and detect faulty and unethical profiles, plagiarism, forgery, distortion, duplications, fabrication, slicing, salamization, unfair authorship, and several manifestations of academic mobbing. Such analyses also help reveal the medium and long-term results of several policies implemented by institutions, including those of the academic staff employment and retention policies, wage policies, academic incentives, and scientific working environments.

### **"AD Scientific Index" (Alper-Doger Scientific Index):**

This new index has been developed by Prof. Dr. Murat ALPER (MD) and Associate Prof. Dr. Cihan DÖĞER (MD) by using the total and last 5 years' values of the i10 index, h-index, and citation scores in Google Scholar. In addition, the ratio of the last 5 years' value to the total value of the abovementioned indexes is used. Using a total of nine parameters, the "AD Scientific Index" shows the ranking of an individual scientist by 12 subjects ([Agriculture & Forestry](#), [Arts, Design and Architecture](#), [Business & Management](#), [Economics & Econometrics](#), [Education](#), [Engineering & Technology](#), [History](#), [Philosophy](#), [Theology](#), [Law / Law and Legal Studies](#), [Medical and Health Sciences](#), [Natural Sciences](#), [Social Sciences](#), and [Others](#)), 256 branches, 19,500 institutions of employment, 216 countries, 10 regions ([Africa](#), [Asia](#), [Europe](#), [North America](#), [Oceania](#), [Arab League](#), [EECA](#), [BRICS](#), [Latin America](#), and [COMESA](#)), and in the world. Thus, scientists can obtain their academic rankings and monitor developments in the ranking over time.

### **Data Collection and Standardization:**

Collecting data manually based on the ranking from Google Scholar, the profiles with up to 300

citations and verified addresses or the profiles that build confidence for their accuracy are listed primarily. Thus, it is aimed to standardize the names, institutions, and branches as much as possible. Non-standardized data including wide ranges of variations in the information and the use of abbreviations and a variety of languages have caused difficulties. Performing data mining and scrutinizing the acquired information, many profiles were excluded from the index. Furthermore, some of the profiles were excluded during the regular examination of the data onward. Data cleaning requires a regular process in place to be conducted meticulously. We welcome your contributions in data cleaning and ensuring accuracy.

Determining the subjects/departments, to which scientific fields would belong, may seem easy in some branches and in a variety of countries. However, it may create considerable confusion in some other countries, regions, and schools. We would like to emphasize that the following fields including Engineering, Natural and Environmental Sciences, Biology, and Biochemistry, Material Science, Chemistry, and Social Sciences may exist in quite variable spectrums in different countries. Therefore, we would like to stress that the standardization of subjects and branches has not been easy. To perform standardizations, we accepted the official names of the institutions and academic branches as accurate in the way that they were specified on the university website. We have developed this strategy in order to standardize this complex situation at least partially.

The number of universities in the countries and the number of academicians in universities are increasing gradually, free of charge, within our means. The current list of registered academicians includes 1.060.000 individuals. The frequent updates will be limited to red list and death reductions, to new profile registrations from our institution, and new individual and corporate registrations.

Although various additions, corrections, and improvements are made every day, it should be kindly considered that this process requires devoted efforts and time.

Importantly, one should remember that taking 300 citations as the lower limit for inclusion in the index brings up the potential of exclusion because of variations across different H-index values. We are going to spend our best efforts to respond to e-mails, which question the justification for not being included in the list despite high H-index values. Examples could be such that an academician with an H-index value of 1 with 300 citations may be included in the ranking, while another with an H-index value of 5 with 30 citations or an academic with an H-index of 10 with 120 citations may be excluded. Such issues require regular updates and it may take a considerably long time to update rankings because of the limits of the workload. We will be answering to such e-mails within our means with our best efforts while we continue to expand our workforce. It is possible to accelerate this period through individual and corporate registration options.

### **Studies that influence the order of ranking because of a high number of citations received, in a manner similar to CERN:**

We started a procedure to add an asterisk as “i” at the end of the names of the authors when a scientific paper of interest included many authors such as CERN, ATLAS, ALICE, CMS, Statistical Data, Guideline, Updates etc. scientific papers. We think that new criteria will be defined to be implemented for such studies. Until further criteria are described, we marked such studies with a “i” sign.

## **Profile information and ethical responsibility:**

The ethical responsibility for the correct profile information rests entirely with the relevant scientist. However, we think that it would be prudent for institutions, countries, and even branch associations to conduct periodic reviews of scientist profiles affiliated to the respective organization since misleading information may compromise the reputation of the organization or the country. Organizations should also review profiles to identify and report scientists, who are not affiliated with the respective institution. In order to avoid any compromise to the institutional reputation, institutions should take necessary corrective and preventive actions against published scientist profiles arranged unethically.

## **Data Cleaning and the Redlist**

Data cleaning is a dynamic process that we systemically perform continuously. Despite all our best efforts, we may not be completely accurate and we welcome your contributions to the redlist notifications. Rarely, some scientists are included in the redlist due to innocent mistakes with good intentions and no unethical behavior. Most errors result from inadequate periodic profile checks. However, the correction of such an error is easy through the submission of a correction request. In order to avoid such an undesirable situation to occur, scientists should regularly check their profiles and institutions should review the profiles of the staff systematically.

## **Ranking Criteria:**

Ranking of scientists by the university, country, region, and in the world was performed based on the “total h-index”. The “total h-index” was used in rankings by the branch and the subbranch.

The ranking criteria based on the “total h-index” scores were used in the following order: Firstly, the “total h-index” scores; secondly, the total number of citations; and thirdly, the “total i10 index” scores (1. Total h-index scores, 2. Total number of citations, 3. Total i10 index scores, 4. Last 5 years’ h-index scores).

Ranking based on the last 5 years’ h-index scores was performed using criteria in the following order: 1. Last 5 years’ h-index scores, 2. Number of citations in the last 5 years, 3. Last 5 years’ i10 index scores, 4- Total h-index scores.

The ranking criteria for the total i10 index were used in the following order: 1. Total i10 index scores, 2. Total h-index scores, 3. Total number of citations, and 4. Last 5 years’ i10 index scores.

Ranking based on the last 5 years’ i10 index scores was performed using the criteria in the following order: 1. Last 5 years’ i10 index scores, 2. Last 5 years’ h-index scores, 3. Number of citations in the last 5 years and 4. Total i10 index scores.

Ranking based on the total number of citations was performed using the criteria in the following order: 1. Total number of citations, 2. Total h-index scores, 3. Total i10 index scores and 4. Number of citations in the last 5 years.

Ranking based on the total number of citations in the last 5 years was performed using the criteria in the following order: 1: Number of citations in the last 5 years, 2. Last 5 years’ h-index scores, 3: Last 5 years’ i10 index scores and 4. Total number of citations

## **Why are the last 5 years' ratios / total ratios important?**

The h-index, i10 index, and citation the last 5-year ratios/total ratios are major unique characteristics of the AD Scientific Index, showing both the development in the individual performance of the scientist and the reflections of the institutional policies of universities onto the overall scientific picture.

## **Productivity Rankings**

Productivity Rankings is a unique service offered only by "AD Scientific Index". This is a ranking system derived from the i10 index in order to show the productivity of the scientist in publishing scientific articles of value. Productivity Rankings is an instrument that lists productive scientists in a given area, discipline, university, and country and can guide the development of meaningful incentives and academic policies. The world rankings, regional rankings, and university rankings of scientists in this table are developed based on the total i10 index.

## **Academic collaboration**

Scientific fields of interest specified in the profiles of scientists are available for other scientists from different countries and institutions to enable academic collaboration.

## **Ranking Criteria for Top Universities:**

For global university rankings, ranking organizations use the following parameters including the quality of education, employment rates of graduates, the quality of faculties within an individual university, international collaborations, the number of graduates and staff awarded with Nobel Prizes and Fields Medals, the number of highly cited researchers selected by Clarivate Analytics, the total number of research papers, the number of articles published by Nature and Science journals, the number of articles indexed in Science Citation Index-Expanded (SCI-E) and Social Science Citation Index (SSCI), and the number of research articles receiving a high number of citations. Each ranking organization develops a ranking methodology, which attributes different % weights to selected items out of such parameters. Experienced ranking organizations evaluate 2000 - 3000 universities for ranking.

AD Scientific Index performs rankings using a single parameter, which is the number of "Valued and Productive Scientists" staffed by a specific university. Selected after years of observation, this parameter is calculated using the total H-index and i10-index values together with the number of citations, and the last 5 years' total H-index and i10-index values along with the number of citations received over the last 5 years. We rank more than 19.500 universities using this method. A careful examination will reveal that most of the other parameters are representations of natural academic products of "Valued and Productive Scientists." Institutions that employ a high number of "Valued and Productive Scientists", for example, scientists in the first Top 2%, Top 10%, Top 20%, Top 40%, top 60% and top 80% and later ranks, respectively, will naturally produce increased numbers of academic outputs listed as the parameters above.

A comparison of "AD Scientific Index" scores of universities, some examples of which are given below, with the scores from other ranking institutions will show great agreement among scores. We use our methodology to rank universities of different characteristics and sizes from different

countries and every continent, achieving very successful results through the yielded ranking figures. Considering the continuing processes of data entry and data cleaning for more than 19.300 universities, we foresee that data entry issues, such as not completed entries or human errors in data entry caused either by universities or our team mistakenly, will be resolved and will yield to improved accuracy of results over time.

You may sort the ranking from the highest score to the lowest or vice versa in any of these fields. You can observe the fields, which move the respective university to the forefront. Furthermore, the name of the academician with the highest total h-index in the respective university is displayed with the world ranking. Top University Ranking by "AD Scientific Index" will not only list the areas, where a university is the best or has room for improvement, but also reflect the outcomes of scientist policies of the institutions. This report reveals the competency of institutions to attract prized scientists and the ability of institutions to encourage advances and retain scientists.

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### **Ranking Criteria for Countries:**

As described in the university ranking section, it is not easy to obtain and standardize data from about 19,000 universities for the country ranking. Therefore, we based our ranking system on the number of meritorious scientists. Four criteria are used to rank the countries. The first one is the number of scientists in the top 2% list. The second and third criterion are the number of scientists in the Top 10%, Top 20%, Top 40%, Top 60%, Top 80%, and later ranks. The fourth one is the number of scientists listed in the AD Scientific Index. In the case of equalities after applying all these four criteria, the world rank of the meritorious scientist of that country is used.

### **World Top 100 Scientists 2022**

The ranking of "Top 100" scientists is based on total h-index scores. Top 100 scientists can be ranked globally or specific to the following regions including Africa, Asia, Europe, North America, Oceania, Arab League, EECA, BRICS and Latin America based on total h-index scores without any breakdown by subject areas. Top 100 rankings in the world, in a continent, or a region include standardized subjects areas of Agriculture & Forestry, Arts, Design and Architecture, Business & Management, Economics & Econometrics, Education, Engineering & Technology, History, Philosophy, Theology, Law/Law and Legal Studies, Medical and Health Sciences, Natural Sciences, and Social Sciences. **Subjects indicated as "others" will not be included in the ranking by regions and subjects.** Therefore, you may wish to specify your subject and branch and contribute in order to standardize your performance. Determining the subjects/departments, to which scientific fields would belong, may seem easy in some branches and in a variety of countries. However, it may create considerable confusion in some other countries, regions, and

schools. We would like to emphasize that the following fields including Engineering, Natural and Environmental Sciences, Biology, Biochemistry, Material Science, Biotechnology, Chemistry, and Social Sciences may exist in quite variable spectrums in different countries. Therefore, we would like to stress that the standardization of subjects and branches has not been easy. To perform standardizations, we accepted the official names of the institutions and academic branches as accurate in the way that they were specified on the university website. We have developed this strategy in order to standardize this complex situation at least partially. Furthermore, we started a procedure to add an asterisk as "i" at the end of the names of the authors when a scientific paper of interest included many authors such as CERN's scientific papers.

### **Limitations of the "AD Scientific Index": Missing or Inaccurate Profiles or Missing Institution Names**

This index is a comparative platform developed by ranking accessible and verified profiles. First and foremost, not being included in this index for various reasons does not indicate that the academician is not prized or it does not mean that only those academicians listed in the index are the prized ones. This needs to be carefully noted. A meritorious scientist may not have been included in this index because of not having a Google Scholar profile or our lack of access to that profile for various reasons. The unavailability of verified Google Scholar profiles of scientists, who work in well-known and respected academic institutions in respective countries, may prevent us from finding institutions and scientist profiles. Because updating the profiles in the system and collection of data from open sources require efforts and because the data have been collected for the first time, it is not possible for the index to be completely free of errors. Accurate and instant updating of profiles and institution names requires an endless workload that no institution can overcome only with available resources despite all endeavors.

A high h-index (WOS, Scopus, Publon, etc.) does not mean that a profile will be automatically created for the academician in Google Scholar. Indeed, Google Scholar profiles are created and made public by scientists themselves on a voluntary basis. An individual may not have created a profile for various reasons and, therefore, will not be listed in the "AD Scientific Index". Furthermore, a profile can be rejected or may not be listed at a particular time. It needs to be considered that, at the time of our search, a profile may not exist or may not be public, some profiles may be public only at particular times, the information in the profile may not be standard, there may be more than one profile belonging to the same person, the profiles may not be verified, the name of the institution can be missing, surnames or institution names can change, profile owners may have died, or known or unforeseen problems may happen. However, missing information is completed in the system regularly and the list is updated and corrected continuously. Profiles; whose owners have passed away, are removed from the system.

When we detect or be informed of unethical situations in profile information that go beyond the limits of goodwill, the person is excluded from the list. You can report problematic and misleading profiles on our "Rejection List" page. As individuals are responsible for the accuracy of their profiles, organizations, too, should include the need for reviewing academic staff profiles in the agenda.

Articles with thousands of authors such as CERN studies in the field of physics or scientific studies with more than one author in classification studies in medicine or statistical studies raise debates about the requirements for the amount of the article content belonging to one author. Because

such papers may cause inequality of opportunity, a separate grouping system may be needed in the future.

Pros and cons of "ranking" systems including Web of Science, Scopus, Google Scholar, and similar others are well known and the limits of use of such systems have long been recognized in the scientific community. Therefore, interpreting this study beyond these limits may lead to incorrect results. The "AD Scientific Index" needs to be evaluated considering all of the abovementioned potential limitations.

### **Comparisons of Ranking Systems**

In addition to ranking lists of scientists, consisting of many tables and charts of trends analyses to be delivered for the first time, this comprehensive system offers several data and analysis results that will importantly provide an added value to branches and institutions within the limits of inherent advantages and limitations. We would like to kindly emphasize that comparisons should not be performed between two branches, either of which having different potentials to produce scientific papers. For example, it is not correct to expect the same number of articles from completely different branches such as law, social sciences, music, physics, or biochemistry. Ranking comparisons should not overlook the inherent potentials of branches to produce publications. For this reason, we try to primarily involve observations within the same subject/department and recent productivity.

Through the contribution of many scientists from different fields, the "AD Scientific Index" undergoes systematic updates with the aim of continuous improvement. The index is an independent institution and does not receive any support from any institutions, organizations, countries, or funds. Concurrently with the continuous increase in the number of universities and scientists registered to the Index, we are improving methodology, software, data accuracy, and data cleaning procedures every day through the contributions of a large team. Your remarks and contributions about our shortcomings will shed light to lead our efforts for continuous improvement.

### **Could this work have been designed in another way?**

It is not possible to exactly measure the research capacity of a university or scientist by using a few parameters. Assessments should include many other types of data such as patents, research funds, incentives, published books, tutoring intensity, congress presentations, and graduate and doctoral teaching positions. As a frequently voiced criticism, we have been asked why the Web of Science h-index is not used. Since it is not possible to have access to the entire data covering all academic components such as the h-indexes of the Web of Science, Scopus, or Publons, etc., or the organizations, patents, awards, etc. Therefore, only available qualified data have been included.

### **The Concept of Predatory:**

A journal or an academic service cannot be considered predatory only because it is not free. The concept of predatory is used for describing any unethical action including those with factitious, spurious, exaggerated, or deceptive quality, performed in return for a fee. Any predatory activity is misleading and unfair. As an institution that does not receive any governmental, institutional,

or financial support and with the aim of maintaining the sustainability of our academic services and the preservation of editorial independence, we have reached the following figures of 1.085.000 academicians and 19,500 universities included in our database completely free of charge through the extensive efforts of a large team within the scope of expanding our data in terms of countries, branches, and universities. Our expansion continues at a certain pace. However, we charge a small service fee from those, who prefer to be included in the system faster, without compromising ethical principles.

**Methodology that increases transparency and visibility. "AD Scientific Index" not only provides ranking services but also lights the way against ethical noncompliance by presenting data available to the public, paving the way to sort out any ethical violations. Bearing a torch this way, we improve controllability, transparency, and accountability both on individual and corporate levels. With such efforts, individuals and institutions have been led to focus on academic profiles and tens of thousands of academicians revised and rearranged their profiles, removing incorrect data. Besides stressing the requirement that academicians should regularly review information in their profiles, we emphasize that institutions, too, should check the profiles of academic staff. You are always welcome to contribute by reporting incorrect data through the redlist link.**

#### **How will the new rankings be updated in the "AD Scientific Index"?**

Updates and new rankings will be available through the current list of profiles and the pool of academicians that would expand along with new subscriptions. Importantly, one should remember that taking 300 citations as the lower limit for inclusion in the index brings up the potential of exclusion because of variations across different H-index values. We are going to spend our best efforts to respond to e-mails, which question the justification for not being included in the list despite high H-index values. Examples could be such that an academician with an H-index value of 1 with 300 citations may be included in the ranking, while another with an H-index value of 5 with 30 citations or an academic with an H-index of 10 with 120 citations may be excluded. Such issues require regular updates and it may take a considerably long time to update rankings because of the limits of the workload. We will be answering to such e-mails within our means with our best efforts while we continue to expand our workforce. It is possible to accelerate this period through individual and corporate registration options.

#### **How can I be included in the "AD Scientific Index"?**

First of all, you must have a Google Scholar profile and this profile must be set to PUBLIC. If you do not have a Google Scholar profile, you can create a profile at <https://scholar.google.com/> and add your published scientific articles. It is the liability of the scientist to ensure the accuracy and the ethical aspects of the profile. Furthermore, it is recommended that institutions would check the profiles of respective employees. We would like to remind you that you should check your profile regularly and keep it updated. Published scientific papers added to your profile may cause ethical issues if they do not belong to you.

#### **Is there a specified lower limit for the h-index and i10 index scores or the number of citations to be included in "AD Scientific Index"?**

**For SUBMISSIONS,** no lower limits have been specified for the number of citations or the h-index or i10-index scores to be included in the "AD Scientific Index". We request a small contribution as a processing fee for the sustainability and independence of this system, which has been developed through the hard work of many people without receiving any institutional or financial support. Through the contribution of many scientists from different fields, the "AD Scientific Index" undergoes systematic updates with the aim of continuous improvement. The index is an independent institution and does not receive any support from any institutions, organizations, countries, or funds. Concurrently with the continuous increase in the number of universities and scientists registered to the Index, we are improving methodology, software, data accuracy, and data cleaning procedures every day through the contributions of a large team. Your remarks and contributions about our shortcomings will shed light to lead our efforts for continuous improvement.

**Table I. Number of scientists in Tunisia top 500 according to Country**

| # | Country | Country Region Rank | Country World Rank | Scientists in Tunisia Top 500 | Total University | Total Scientist |
|---|---------|---------------------|--------------------|-------------------------------|------------------|-----------------|
| 1 | Tunisia | 6                   | 83                 | 500                           | 24               | 514             |

**Table II. General Universities/Institutions in Tunisia top 500**

| #  | University/Institutions  | Country Rank | Region Rank | World Rank | Country | Sources of Funding | Founded | Scientists in Tunisia Top 500 | Scientists in World Top 2% | Scientists in World Top 10% | Scientists in World Top 20% | Total Scientists in Index |
|----|--|--------------|-------------|------------|---------|--------------------|---------|-------------------------------|----------------------------|-----------------------------|-----------------------------|---------------------------|
| 1  | Université de Sfax   | 1            | 20          | 1619       | Tunisia | Public             | 1986    | 54                            | 1                          | 6                           |                             | 54                        |
| 2  | Université de Monastir   | 2            | 61          | 3074       | Tunisia | Public             | 2004    | 62                            | 0                          | 2                           |                             | 62                        |
| 3  | Université de Tunis el Manar   | 3            | 68          | 3143       | Tunisia | Public             | 1987    | 55                            | 0                          | 2                           |                             | 55                        |
| 4  | Université de Carthage   | 4            | 69          | 3169       | Tunisia | Public             | 1987    | 53                            | 0                          | 2                           |                             | 53                        |
| 5  | Université de Gabès  | 5            | 134         | 4210       | Tunisia | Public             | 2003    | 30                            | 0                          | 1                           |                             | 30                        |
| 6  | Université de la Manouba   | 6            | 135         | 4264       | Tunisia | Public             | 2000    | 13                            | 0                          | 1                           |                             | 13                        |
| 7  | Centre De Recherches Et Des Technologies De L'énergie                | 7            | 193         | 5523       | Tunisia | Public             | 2005    | 17                            | 0                          | 0                           |                             | 17                        |
| 8  | Université de Gafsa  | 8            | 199         | 5554       | Tunisia | Public             | 2004    | 12                            | 0                          | 0                           |                             | 12                        |
| 9  | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | 9            | 214         | 5777       | Tunisia | Public             | 1990    | 49                            | 0                          | 0                           |                             | 49                        |
| 10 | Université de Tunis  | 10           | 219         | 5828       | Tunisia | Public             | 1988    | 22                            | 0                          | 0                           |                             | 22                        |
| 11 | Université de Sousse   | 11           | 227         | 5940       | Tunisia | Public             | 2004    | 16                            | 0                          | 0                           |                             | 16                        |
| 12 | ESPRIT   | 12           | 247         | 6291       | Tunisia | Private            | 2003    | 21                            | 0                          | 0                           |                             | 21                        |
| 13 | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal        | 13           | 248         | 6325       | Tunisia | Public             | 1965    | 5                             | 0                          | 0                           |                             | 5                         |
| 14 | Université de Jendouba   | 14           | 259         | 6420       | Tunisia | Private            | 2003    | 16                            | 0                          | 0                           |                             | 16                        |
| 15 | Mediterranean Institute of Technology                                | 15           | 395         | 8224       | Tunisia | Private            | 2002    | 13                            | 0                          | 0                           |                             | 13                        |
| 16 | Institut Supérieur des Etudes Technologiques ISET Sfax               | 16           | 524         | 9733       | Tunisia | Public             | 1992    | 5                             | 0                          | 0                           |                             | 5                         |
| 17 | Institut des Régions Arides de Médenine                              | 17           | 571         | 10391      | Tunisia | Public             | 1976    | 10                            | 0                          | 0                           |                             | 10                        |
| 18 | Université de Kairouan   | 18           | 584         | 10524      | Tunisia | Public             | 2004    | 28                            | 0                          | 0                           |                             | 28                        |
| 19 | Institut Supérieur des Etudes Technologiques ISET'COM                | 19           | 684         | 11751      | Tunisia | Public             | 1992    | 8                             | 0                          | 0                           |                             | 8                         |

| #  | University/Institutions                                  | Country Rank | Region Rank | World Rank | Country | Sources of Funding | Founded | Scientists in Tunisia Top 500 | Scientists in World Top 2% | Scientists in World Top 10% | Scientists in World Top 20% | Total Scientists in Index |
|----|--|--------------|-------------|------------|---------|--------------------|---------|-------------------------------|----------------------------|-----------------------------|-----------------------------|---------------------------|
| 20 | Université Centrale                                      | 20           | 726         | 12329      | Tunisia | Private            | 1999    | 4                             | 0                          | 0                           |                             | 4                         |
| 21 | Institut Supérieur des Etudes Technologiques ISET Sousse | 21           | 733         | 12445      | Tunisia | Private            | 2004    | 2                             | 0                          | 0                           |                             | 2                         |
| 22 | Université Ez-Zitouna                                    | 22           | 1133        | 18286      | Tunisia | Public             | 1956    | 2                             | 0                          | 0                           |                             | 2                         |
| 23 | Université Mahmoud El Materi                             | 23           | 1181        | 19031      | Tunisia | Private            | 2000    | 1                             | 0                          | 0                           |                             | 1                         |
| 24 | South Mediterranean University                           | 24           | 1198        | 19319      | Tunisia | Private            | 2002    | 1                             | 0                          | 0                           |                             | 1                         |

**Table III. Public Universities/Institutions in Tunisia top 500**

| #  | University/Institutions  | Country Rank | Region Rank | World Rank | Country | Founded | Scientists in Tunisia Top 500 | Scientists in World Top 2% | Scientists in World Top 10% | Scientists in World Top 20% | Total Scientists in Index |
|----|--|--------------|-------------|------------|---------|---------|-------------------------------|----------------------------|-----------------------------|-----------------------------|---------------------------|
| 1  | Université de Sfax   | 1            | 20          | 1619       | Tunisia | 1986    | 54                            | 1                          | 6                           |                             | 54                        |
| 2  | Université de Monastir   | 2            | 61          | 3074       | Tunisia | 2004    | 62                            | 0                          | 2                           |                             | 62                        |
| 3  | Université de Tunis el Manar   | 3            | 68          | 3143       | Tunisia | 1987    | 55                            | 0                          | 2                           |                             | 55                        |
| 4  | Université de Carthage   | 4            | 69          | 3169       | Tunisia | 1987    | 53                            | 0                          | 2                           |                             | 53                        |
| 5  | Université de Gabès  | 5            | 134         | 4210       | Tunisia | 2003    | 30                            | 0                          | 1                           |                             | 30                        |
| 6  | Université de la Manouba   | 6            | 135         | 4264       | Tunisia | 2000    | 13                            | 0                          | 1                           |                             | 13                        |
| 7  | Centre De Recherches Et Des Technologies De L'énergie                | 7            | 193         | 5523       | Tunisia | 2005    | 17                            | 0                          | 0                           |                             | 17                        |
| 8  | Université de Gafsa  | 8            | 199         | 5554       | Tunisia | 2004    | 12                            | 0                          | 0                           |                             | 12                        |
| 9  | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | 9            | 214         | 5777       | Tunisia | 1990    | 49                            | 0                          | 0                           |                             | 49                        |
| 10 | Université de Tunis  | 10           | 219         | 5828       | Tunisia | 1988    | 22                            | 0                          | 0                           |                             | 22                        |
| 11 | Université de Sousse   | 11           | 227         | 5940       | Tunisia | 2004    | 16                            | 0                          | 0                           |                             | 16                        |
| 12 | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal        | 13           | 248         | 6325       | Tunisia | 1965    | 5                             | 0                          | 0                           |                             | 5                         |
| 13 | Institut Supérieur des Etudes Technologiques ISET Sfax               | 16           | 524         | 9733       | Tunisia | 1992    | 5                             | 0                          | 0                           |                             | 5                         |
| 14 | Institut des Régions Arides de Médenine                              | 17           | 571         | 10391      | Tunisia | 1976    | 10                            | 0                          | 0                           |                             | 10                        |
| 15 | Université de Kairouan   | 18           | 584         | 10524      | Tunisia | 2004    | 28                            | 0                          | 0                           |                             | 28                        |
| 16 | Institut Supérieur des Etudes Technologiques ISET'COM                | 19           | 684         | 11751      | Tunisia | 1992    | 8                             | 0                          | 0                           |                             | 8                         |
| 17 | Université Ez-Zitouna  | 22           | 1133        | 18286      | Tunisia | 1956    | 2                             | 0                          | 0                           |                             | 2                         |

**Table IV. Private Universities/Institutions in Tunisia top 500**

| # | University/Institutions                                  | Country Rank | Region Rank | World Rank | Country | Founded | Scientists in Tunisia Top 500 | Scientists in World Top 2% | Scientists in World Top 10% | Scientists in World Top 20% | Total Scientists in Index |
|---|--|--------------|-------------|------------|---------|---------|-------------------------------|----------------------------|-----------------------------|-----------------------------|---------------------------|
| 1 | ESPRIT   | 12           | 247         | 6291       | Tunisia | 2003    | 21                            | 0                          | 0                           |                             | 21                        |
| 2 | Université de Jendouba                                   | 14           | 259         | 6420       | Tunisia | 2003    | 16                            | 0                          | 0                           |                             | 16                        |
| 3 | Mediterranean Institute of Technology                    | 15           | 395         | 8224       | Tunisia | 2002    | 13                            | 0                          | 0                           |                             | 13                        |
| 4 | Université Centrale                                      | 20           | 726         | 12329      | Tunisia | 1999    | 4                             | 0                          | 0                           |                             | 4                         |
| 5 | Institut Supérieur des Etudes Technologiques ISET Sousse | 21           | 733         | 12445      | Tunisia | 2004    | 2                             | 0                          | 0                           |                             | 2                         |
| 6 | Université Mahmoud El Materi                             | 23           | 1181        | 19031      | Tunisia | 2000    | 1                             | 0                          | 0                           |                             | 1                         |
| 7 | South Mediterranean University                           | 24           | 1198        | 19319      | Tunisia | 2002    | 1                             | 0                          | 0                           |                             | 1                         |

**Table V. Universities/Institutions Founded After 2010 in Tunisia Top 500**

| # | University/Institutions | Country Rank | Region Rank | World Rank | Country | Sources of Funding | Founded | Scientists in Tunisia Top 500 | Scientists in World Top 2% | Scientists in World Top 10% | Scientists in World Top 20% | Total Scientists in Index |
|---|-------------------------|--------------|-------------|------------|---------|--------------------|---------|-------------------------------|----------------------------|-----------------------------|-----------------------------|---------------------------|
|---|-------------------------|--------------|-------------|------------|---------|--------------------|---------|-------------------------------|----------------------------|-----------------------------|-----------------------------|---------------------------|

**Table VI. Universities/Institutions Founded After 2000 in Tunisia Top 500**

| #  | University/Institutions                                  | Country Rank | Region Rank | World Rank | Country | Sources of Funding | Founded | Scientists in Tunisia Top 500 | Scientists in World Top 2% | Scientists in World Top 10% | Scientists in World Top 20% | Total Scientists in Index |
|----|--|--------------|-------------|------------|---------|--------------------|---------|-------------------------------|----------------------------|-----------------------------|-----------------------------|---------------------------|
| 1  | Université de Monastir                                   | 2            | 61          | 3074       | Tunisia | Public             | 2004    | 62                            | 0                          | 2                           |                             | 62                        |
| 2  | Université de Gabès                                      | 5            | 134         | 4210       | Tunisia | Public             | 2003    | 30                            | 0                          | 1                           |                             | 30                        |
| 3  | Centre De Recherches Et Des Technologies De L'énergie    | 7            | 193         | 5523       | Tunisia | Public             | 2005    | 17                            | 0                          | 0                           |                             | 17                        |
| 4  | Université de Gafsa                                      | 8            | 199         | 5554       | Tunisia | Public             | 2004    | 12                            | 0                          | 0                           |                             | 12                        |
| 5  | Université de Sousse                                     | 11           | 227         | 5940       | Tunisia | Public             | 2004    | 16                            | 0                          | 0                           |                             | 16                        |
| 6  | ESPRIT   | 12           | 247         | 6291       | Tunisia | Private            | 2003    | 21                            | 0                          | 0                           |                             | 21                        |
| 7  | Université de Jendouba                                   | 14           | 259         | 6420       | Tunisia | Private            | 2003    | 16                            | 0                          | 0                           |                             | 16                        |
| 8  | Mediterranean Institute of Technology                    | 15           | 395         | 8224       | Tunisia | Private            | 2002    | 13                            | 0                          | 0                           |                             | 13                        |
| 9  | Université de Kairouan                                   | 18           | 584         | 10524      | Tunisia | Public             | 2004    | 28                            | 0                          | 0                           |                             | 28                        |
| 10 | Institut Supérieur des Etudes Technologiques ISET Sousse | 21           | 733         | 12445      | Tunisia | Private            | 2004    | 2                             | 0                          | 0                           |                             | 2                         |
| 11 | South Mediterranean University                           | 24           | 1198        | 19319      | Tunisia | Private            | 2002    | 1                             | 0                          | 0                           |                             | 1                         |

| University | Country | Region | World | AD Scientific Index - 2023 Tunisia Top 500 Scientists   |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|-------|---|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |       | Name  | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 1       | 75     | 19789 | <a href="#">Moncef Nasri</a><br>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Biopeptides   Proteases   Lipopeptides  | 73      | 59          | 0.808               | 361       | 325         | 0.900               | 20340    | 13762       | 0.677               |
| 2          | 2       | 138    | 35273 | <a href="#">Sami Boufi</a><br>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Chemical Sciences</a><br>nanocelluloses   cellulose nanofibrils   nanocomposite   composites                                      | 61      | 50          | 0.820               | 167       | 151         | 0.904               | 12440    | 8339        | 0.670               |
| 3          | 3       | 242    | 53566 | <a href="#">Mohamed Bouaziz</a><br>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>Analytical Chemistry   Natural biomolecules  | 53      | 46          | 0.868               | 144       | 133         | 0.924               | 8066     | 5551        | 0.688               |
| 1          | 4       | 271    | 58164 | <a href="#">Sassi Ben Nasrallah</a><br>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Engineering</a><br>Energy   Fluid Mechanics   Heat and Mass Transfer   Modelling                                      | 51      | 38          | 0.745               | 187       | 124         | 0.663               | 10010    | 4884        | 0.488               |
| 4          | 5       | 396    | 74775 | <a href="#">Souhail Besbes</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>food science and technology   | 46      | 38          | 0.826               | 112       | 92          | 0.821               | 9782     | 6329        | 0.647               |
| 5          | 6       | 416    | 76839 | <a href="#">Ali Bougatef</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Technologie Alimentaire   Biotechnologie  | 46      | 37          | 0.804               | 99        | 90          | 0.909               | 6992     | 4484        | 0.641               |
| 1          | 7       | 487    | 85825 | <a href="#">Mohamed Amri</a><br>   |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>Neurosciences - Neuropharmacologie- Ethnopharmacologie STAPS - Nutrition | 44      | 29          | 0.659               | 112       | 94          | 0.839               | 6308     | 3488        | 0.553               |
| 1          | 8       | 493    | 86198 | <a href="#">Lassaad El Mir</a><br>   |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>          | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology  | 44      | 36          | 0.818               | 142       | 122         | 0.859               | 5934     | 4364        | 0.735               |

| University | Country | Region | World  | AD Scientific Index - 2023 Tunisia Top 500 Scientists |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 6          | 9       | 522    | 89448  | <a href="#">Essebti Dhahri</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Physics</a><br>Magnétisme   diélectrique   matériaux multifonctionnels   énergie   environnement  | 43      | 33          | 0.767               | 206       | 163         | 0.791               | 6940     | 5011        | 0.722               |
| 1          | 10      | 558    | 93582  | <a href="#">Manef Abderrabba</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>chimie théorique   matériaux   substances naturelles   | 42      | 33          | 0.786               | 140       | 121         | 0.864               | 7599     | 5254        | 0.691               |
| 2          | 11      | 615    | 100463 | <a href="#">Walid Mensi</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Economics &amp; Econometrics / Accounting &amp; Finance</a><br>Energy Finance   Risk Management  | 41      | 41          | 1.000               | 87        | 87          | 1.000               | 6022     | 5682        | 0.944               |
| 2          | 12      | 618    | 100849 | <a href="#">Chekir Leila</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Molecular Biology &amp; Genetics</a><br>toxicologie   biologie moléculaire   environnement   cancer   biologie cellulaire                   | 41      | 31          | 0.756               | 125       | 101         | 0.808               | 5789     | 3244        | 0.560               |
| 2          | 13      | 631    | 101941 | <a href="#">Mosbah Amlouk</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Physics</a><br>Physics   Thin Film Solar Cells   Materials & NanoScience Engineering  | 41      | 31          | 0.756               | 130       | 93          | 0.715               | 5059     | 2991        | 0.591               |
| 1          | 14      | 774    | 117895 | <a href="#">Ameur Cherif</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de la Manouba</a>     | <a href="#">Medical and Health Sciences / Microbiology</a><br>Microbial resource management  | 38      | 31          | 0.816               | 86        | 77          | 0.895               | 5744     | 3519        | 0.613               |
| 7          | 15      | 806    | 120381 | <a href="#">Tahar Mechichi</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Medical and Health Sciences / Microbiology</a><br>microbiology   biotechnology   biodegradation  | 38      | 31          | 0.816               | 65        | 60          | 0.923               | 4496     | 2666        | 0.593               |
| 3          | 16      | 853    | 124915 | <a href="#">Tarek Mabrouki</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Mechanical Engineering   Machining   Manufacturing   Modelling and Simulation   Forming Processes | 37      | 33          | 0.892               | 72        | 63          | 0.875               | 5378     | 3580        | 0.666               |
| 4          | 17      | 880    | 127117 | <a href="#">Habib Elhouichet</a>                      |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology and Photonic Glasses   | 37      | 34          | 0.919               | 103       | 76          | 0.738               | 4445     | 3245        | 0.730               |

| University | Country | Region | World  | AD Scientific Index - 2023 Tunisia Top 500 Scientists |   |                              |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|------------------------------|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 8          | 18      | 963    | 135185 | Kamel Zouari  |  Tunisia   | Université de Sfax           | Engineering & Technology / Earth Sciences<br>hydrogeology   isotopes   geochemistry   | 36      | 23          | 0.639               | 97        | 68          | 0.701               | 4100     | 2172        | 0.530               |
| 3          | 19      | 1030   | 141931 | Hafedh Ben Ouada                                      |  Tunisia   | Université de Monastir       | Natural Sciences / Physics<br>capteur   | 35      | 20          | 0.571               | 121       | 57          | 0.471               | 4310     | 1574        | 0.365               |
| 9          | 20      | 1032   | 142237 | Semia Ellouz Chaabouni                                |  Tunisia   | Université de Sfax           | Medical and Health Sciences / Veterinary Sciences<br>biotechnologie   | 35      | 31          | 0.886               | 89        | 76          | 0.854               | 4220     | 3212        | 0.761               |
| 4          | 21      | 1066   | 144280 | Brahim Hnich  |  Tunisia   | Université de Monastir       | Engineering & Technology / Computer Science<br>Artificial Intelligence   Constraint Programming   Uncertainty   | 35      | 18          | 0.514               | 82        | 29          | 0.354               | 3493     | 995         | 0.285               |
| 3          | 22      | 1167   | 153725 | Maher Gtari   |  Tunisia   | Université de Carthage       | Medical and Health Sciences / Bacteriology<br>Bacterial Ecology and Evolution   | 34      | 24          | 0.706               | 78        | 64          | 0.821               | 2717     | 1788        | 0.658               |
| 4          | 23      | 1244   | 160991 | Boussaid Mohamed                                      |  Tunisia   | Université de Carthage       | Natural Sciences / Biological Science<br>Biological Sciences   Biodiversity   | 33      | 26          | 0.788               | 89        | 62          | 0.697               | 3611     | 2293        | 0.635               |
| 2          | 24      | 1288   | 163934 | Ammar Houas   |  Tunisia   | Université de Gabès          | Natural Sciences / Chemical Sciences  | 32      | 27          | 0.844               | 71        | 63          | 0.887               | 8115     | 4228        | 0.521               |
| 5          | 25      | 1360   | 170409 | Sadok Ben Yahia                                       |  Tunisia | Université de Tunis el Manar | Engineering & Technology / Computer Science<br>Human centric AI   Urban Mobility   Ontology Engineering   | 32      | 21          | 0.656               | 97        | 69          | 0.711               | 3549     | 2109        | 0.594               |
| 5          | 26      | 1396   | 172630 | Slim Bechikh  |  Tunisia | Université de Carthage       | Engineering & Technology / Computer Science<br>Evolutionary algorithms   Multi-objective Optimization   Evolutionary Machine learning   SBSE   Algorithms | 32      | 28          | 0.875               | 51        | 48          | 0.941               | 3043     | 2608        | 0.857               |
| 5          | 27      | 1460   | 177776 | Maaref Hassen   |  Tunisia | Université de Monastir       | Natural Sciences / Physics<br>solid state physics   | 31      | 18          | 0.581               | 146       | 68          | 0.466               | 4193     | 1791        | 0.427               |
| 6          | 28      | 1519   | 182240 | Mohamed Farouk Mhenni                                 |  Tunisia | Université de Monastir       | Natural Sciences / Chemical Sciences<br>Recherche Scientifique  | 31      | 29          | 0.935               | 70        | 57          | 0.814               | 3125     | 2117        | 0.677               |

| University | Country | Region | World  | AD Scientific Index - 2023 Tunisia Top 500 Scientists   |   |   |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|---|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University  | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 10         | 29      | 1529   | 182675 | <a href="#">Aref Jeribi</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Natural Sciences / Mathematics</a><br>Operator theory Multivalued operator Fixed point theory   Riesz basis   Gribov operator in Bargmann space   Transport operator   Mat | 31      | 18          | 0.581               | 94        | 53          | 0.564               | 3036     | 1667        | 0.549               |
| 11         | 30      | 1545   | 183353 | <a href="#">Abid Younes</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Natural Sciences / Physics</a><br>Matériaux hybrides   Optoélectronique   Luminescence   DFT   | 31      | 27          | 0.871               | 69        | 59          | 0.855               | 2887     | 2044        | 0.708               |
| 1          | 31      | 1565   | 184403 | <a href="#">Hichem Sebai</a><br>         |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>                                | <a href="#">Medical and Health Sciences / Nutrition and Dietetics</a><br>Nutrition   physiologie animale   valorisation des biomolécules   | 31      | 27          | 0.871               | 66        | 60          | 0.909               | 2519     | 1992        | 0.791               |
| 12         | 32      | 1593   | 186851 | <a href="#">Trabelsi Khaled</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>COVID-19   Sleep   Physical activity   Ramadan fasting   Sport medicine                        | 30      | 28          | 0.933               | 59        | 57          | 0.966               | 4878     | 4626        | 0.948               |
| 7          | 33      | 1648   | 191128 | <a href="#">Zine Mighri</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>                                | <a href="#">Natural Sciences / Chemical Sciences</a><br>Recherche Scientifique   | 30      | 23          | 0.767               | 89        | 58          | 0.652               | 3394     | 1634        | 0.481               |
| 1          | 34      | 1663   | 192080 | <a href="#">Chtourou Radhouane</a><br> |  <a href="#">Tunisia</a>  | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">Professeur</a><br>Recherche dans le domaine des nanomatériaux pour les énergies renouvelables  | 30      | 25          | 0.833               | 100       | 83          | 0.830               | 3228     | 2265        | 0.702               |
| 13         | 35      | 1740   | 196082 | <a href="#">Slim Abdelkafi</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Environmental Science &amp; Engineering</a><br>Microbiologie de l'Environnement   | 30      | 24          | 0.800               | 70        | 60          | 0.857               | 2407     | 1906        | 0.792               |
| 6          | 36      | 1743   | 196216 | <a href="#">Khémaïs Ben Rhouma</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>                                | <a href="#">Medical and Health Sciences / Physiology</a><br>Physiology of Reproduction   Integrated Physiology   | 30      | 22          | 0.733               | 56        | 44          | 0.786               | 2342     | 1293        | 0.552               |
| 1          | 37      | 1755   | 197070 | <a href="#">Elaloui Elimame</a><br>    |  <a href="#">Tunisia</a> | <a href="#">Université de Gafsa</a>                                   | <a href="#">Natural Sciences / Chemical Sciences</a><br>chemistry  | 29      | 23          | 0.793               | 67        | 55          | 0.821               | 7745     | 3900        | 0.504               |

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|            |         |        |        | Name   | Country                 | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 38      | 1771   | 198817 | <a href="#">Khaled Ghedira</a><br>              | <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>   | <a href="#">Professeur d'informatique</a><br>Intelligence Artificielle  | 29      | 25          | 0.862               | 122       | 62          | 0.508               | 4595     | 2668        | 0.581               |
| 14         | 39      | 1819   | 202974 | <a href="#">Mohamed Damak</a><br>               | <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie des produits naturels  | 29      | 23          | 0.793               | 64        | 46          | 0.719               | 3262     | 1738        | 0.533               |
| 6          | 40      | 1826   | 203526 | <a href="#">Bahri Rezig</a><br>                 | <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Engineering &amp; Technology / Industrial &amp; Manufacturing Engineering</a><br>New Semiconductors Materials   Thin Layered Structures   Photovoltaics   Photonics | 29      | 15          | 0.517               | 50        | 21          | 0.420               | 3156     | 953         | 0.302               |
| 1          | 41      | 1832   | 203868 | <a href="#">Mohamed Kharrat</a><br>             | <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>agronomist  | 29      | 24          | 0.828               | 67        | 51          | 0.761               | 3099     | 1748        | 0.564               |
| 2          | 42      | 1842   | 204454 | <a href="#">Nourhene Boudhrioua Mihoubi</a><br> | <a href="#">Tunisia</a> | <a href="#">Université de la Manouba</a>   | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Food Engineering/Functional Food   | 29      | 25          | 0.862               | 43        | 37          | 0.860               | 3005     | 1995        | 0.664               |
| 8          | 43      | 1881   | 206325 | <a href="#">Hatem Majdoub</a><br>               | <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Biopolymers   medicinal Chemistry   natural products.   | 29      | 28          | 0.966               | 60        | 59          | 0.983               | 2722     | 2383        | 0.875               |
| 7          | 44      | 1894   | 207084 | <a href="#">Hadda-Imene Ouzari</a><br>        | <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Medical and Health Sciences / Microbiology</a><br>Microbiologie   bioremediation   ecologie microbienne   | 29      | 24          | 0.828               | 55        | 47          | 0.855               | 2601     | 1694        | 0.651               |
| 9          | 45      | 1961   | 210520 | <a href="#">Habib Youssef</a><br>             | <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Computer Networks   Cyber physical systems   Performance analysis   Combinatorial optimization               | 28      | 21          | 0.750               | 87        | 48          | 0.552               | 5313     | 2015        | 0.379               |

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|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 15         | 46      | 2027   | 215157 | <a href="#">Mohamed Jmaiel</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Distributed Software   Adaptive Systems   Dynamic Software Architecture        | 28      | 21          | 0.750               | 98        | 52          | 0.531               | 3162     | 1767        | 0.559               |
| 2          | 47      | 2090   | 218540 | <a href="#">Brahim Bessais</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">Natural Sciences / Physics</a><br>semi-conducteurs   nanomatériaux   nanotechnologie   cellules solaires   capteurs                   | 28      | 18          | 0.643               | 86        | 44          | 0.512               | 2679     | 1443        | 0.539               |
| 10         | 48      | 2114   | 219722 | <a href="#">Hafedh Belmabrouk</a>                     |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>                                | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Fluid Mechanics   Heat Transfer   Microfluidics   Material Science       | 28      | 25          | 0.893               | 77        | 66          | 0.857               | 2524     | 2173        | 0.861               |
| 2          | 49      | 2186   | 222809 | <a href="#">Younes Hamed</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Gafsa</a>                                   | <a href="#">Agriculture &amp; Forestry / Soil and Water Engineering and Conservation</a><br>Hydrogeology   isotopic geochemistry   climate change | 28      | 25          | 0.893               | 42        | 40          | 0.952               | 1769     | 1582        | 0.894               |
| 16         | 50      | 2191   | 223258 | <a href="#">Ksibi Mohamed</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Natural Sciences / Chemical Sciences</a><br>Environmental chemistry   | 27      | 25          | 0.926               | 54        | 49          | 0.907               | 8715     | 4494        | 0.516               |
| 17         | 51      | 2205   | 224994 | <a href="#">Nejib Kallel</a>                          |  <a href="#">Tunisia</a>  | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Climate and Environment  | 27      | 21          | 0.778               | 43        | 32          | 0.744               | 4423     | 1312        | 0.297               |
| 8          | 52      | 2230   | 227364 | <a href="#">Walid Elfalleh</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Food Science & Technology  | 27      | 26          | 0.963               | 73        | 62          | 0.849               | 3396     | 2638        | 0.777               |
| 18         | 53      | 2255   | 228840 | <a href="#">Abdennaceur Kachouri</a>                  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Signal processing for communications and networking     | 27      | 22          | 0.815               | 78        | 54          | 0.692               | 3078     | 2387        | 0.776               |

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|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 7          | 54      | 2270   | 229268 | <a href="#">Naceur Benhadj Braiek</a>                 |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Electrical Engineering   Automatic Control   Modeling   Optimization   Stability and Complex Systems          | 27      | 19          | 0.704               | 85        | 47          | 0.553               | 3009     | 1721        | 0.572               |
| 1          | 55      | 2300   | 231044 | <a href="#">Faouzi Sakli</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET Ksar Hellal</a> | <a href="#">Engineering &amp; Technology / Textile Engineering</a><br>Génie textile   | 27      | 21          | 0.778               | 66        | 50          | 0.758               | 2748     | 1743        | 0.634               |
| 1          | 56      | 2326   | 232438 | <a href="#">Habib Sidhom</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>material   manufacturing and mechanical engineering  | 27      | 23          | 0.852               | 47        | 37          | 0.787               | 2585     | 1339        | 0.518               |
| 11         | 57      | 2328   | 232449 | <a href="#">Ramzi Khiari</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>  | <a href="#">Engineering &amp; Technology / Textile Engineering</a><br>Textile and papermaking   cellulose   nanocomposite   Nanocellulose and Nanomaterials   Nanofibrillated cellulose and Nanocrystal | 27      | 24          | 0.889               | 47        | 43          | 0.915               | 2584     | 2127        | 0.823               |
| 1          | 58      | 2356   | 233811 | <a href="#">Essoukri Ben Amara Najoua</a>             |  <a href="#">Tunisia</a>  | <a href="#">Université de Sousse</a>  | <a href="#">Engineering &amp; Technology / Engineering</a><br>Pattern recognition   Document analysis   Multimodal biometric   Computer vision   Medical image processing                               | 27      | 19          | 0.704               | 73        | 48          | 0.658               | 2428     | 1532        | 0.631               |
| 12         | 59      | 2445   | 237526 | <a href="#">Med Borjini</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>  | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>fluide thermique   | 27      | 20          | 0.741               | 51        | 42          | 0.824               | 1836     | 1417        | 0.772               |
| 2          | 60      | 2474   | 240633 | <a href="#">Mehdi Ben Jebli</a>                       |  <a href="#">Tunisia</a> | <a href="#">Université de Jendouba</a>  | <a href="#">Fsjegj de jendouba, université de Jendouba</a><br>Énergies renouvelables et environnement   | 26      | 25          | 0.962               | 29        | 28          | 0.966               | 3776     | 3587        | 0.950               |
| 9          | 61      | 2480   | 241292 | <a href="#">Mohamed Benrejeb</a>                      |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>                                  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Automatic control-Stability-Arrow Form Matrix-Synchronisation-Handwriting system   | 26      | 14          | 0.538               | 110       | 30          | 0.273               | 3539     | 1280        | 0.362               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 62      | 2510   | 243603 | <a href="#">Lamjed Ben Said</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Artificial Intelligence   Multi-agent Systems   Evolutionary Multiobjective Optimization   Simulation   Decision Analysis | 26      | 24          | 0.923               | 64        | 56          | 0.875               | 2987     | 2421        | 0.811               |
| 3          | 63      | 2512   | 243644 | <a href="#">Rahmani Salem</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Power Electronics  | 26      | 16          | 0.615               | 49        | 23          | 0.469               | 2980     | 1175        | 0.394               |
| 19         | 64      | 2528   | 244462 | <a href="#">Samir Bouaziz</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>geology   | 26      | 19          | 0.731               | 56        | 36          | 0.643               | 2842     | 1483        | 0.522               |
| 3          | 65      | 2610   | 249252 | <a href="#">Abdelmottaleb Ouederni</a>                |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Industrial &amp; Manufacturing Engineering</a><br>activated carbon/ gaz storage/ microreactors/ ozone/ adsorption/ catalysis                      | 26      | 23          | 0.885               | 52        | 45          | 0.865               | 2302     | 1964        | 0.853               |
| 10         | 66      | 2635   | 250494 | <a href="#">Raouf Bennaceur</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Physics</a><br>Physique des Solides   Nanosciences  | 26      | 12          | 0.462               | 50        | 15          | 0.300               | 2179     | 590         | 0.271               |
| 2          | 67      | 2659   | 251456 | <a href="#">Nabil Souissi</a>                         |  <a href="#">Tunisia</a>  | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Fisheries</a><br>Fish quality   | 26      | 20          | 0.769               | 33        | 31          | 0.939               | 2082     | 1355        | 0.651               |
| 3          | 68      | 2663   | 251585 | <a href="#">Nazih Atti</a>                            |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Medical and Health Sciences / Nursing and Midwifery</a><br>Sciences des productions animales   Systèmes de production   Qualité du produit                                       | 26      | 21          | 0.808               | 48        | 33          | 0.688               | 2067     | 1078        | 0.522               |
| 8          | 69      | 2700   | 253056 | <a href="#">Chaouki Aouiti</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Neural networks   Nonlinear systems   Computational intelligence   Theory Stability   Theory Delay Systems                | 26      | 26          | 1.000               | 63        | 59          | 0.937               | 1880     | 1763        | 0.938               |

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|            |         |        |        | Name  | Country   | University                                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 11         | 70      | 2719   | 253606 | <a href="#">Atef Jaouani</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Bioengineering</a><br>Microbial & Environmental Technology                             | 26      | 20          | 0.769               | 32        | 31          | 0.969               | 1772     | 1092        | 0.616               |
| 4          | 71      | 2805   | 260434 | <a href="#">Lassaad Sbita</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>          | <a href="#">Engineering &amp; Technology / Energy Engineering</a><br>renewable energies   | 25      | 21          | 0.840               | 79        | 60          | 0.759               | 2722     | 2016        | 0.741               |
| 20         | 72      | 2953   | 268827 | <a href="#">Jamel Bouaziz</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>Materials Science and Engineering     | 25      | 19          | 0.760               | 65        | 46          | 0.708               | 1908     | 1139        | 0.597               |
| 13         | 73      | 2954   | 268859 | <a href="#">Ahmed Bellagi</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>Thermodynamique des procédés   modélisation et simulation   froid solaire | 25      | 16          | 0.640               | 54        | 36          | 0.667               | 1906     | 946         | 0.496               |
| 9          | 74      | 2992   | 270150 | <a href="#">Abdelwaheb Boukhachem</a>                 |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Physics</a><br>physique de matériaux et couches minces   | 25      | 23          | 0.920               | 42        | 38          | 0.905               | 1770     | 1427        | 0.806               |
| 12         | 75      | 3110   | 278757 | <a href="#">Nizar Nasri</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Biological Science</a><br>Biologie   Environnement   | 24      | 21          | 0.875               | 48        | 37          | 0.771               | 2478     | 1628        | 0.657               |
| 21         | 76      | 3259   | 286489 | <a href="#">Mohamed Makni</a>                         |  <a href="#">Tunisia</a>  | <a href="#">Université de Sfax</a>           | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>Toxicologie   Nutrition   Pharmacologie   | 24      | 22          | 0.917               | 31        | 27          | 0.871               | 1835     | 1221        | 0.665               |
| 10         | 77      | 3277   | 287232 | <a href="#">Mohamed Gargouri</a>                      |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>       | <a href="#">Agriculture &amp; Forestry / Agricultural Biotechnology</a><br>Green Biotechnology                                    | 24      | 17          | 0.708               | 48        | 31          | 0.646               | 1775     | 983         | 0.554               |
| 22         | 78      | 3289   | 287525 | <a href="#">Imen Fendri</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Molecular Biology &amp; Genetics</a><br>Microbiologie  | 24      | 22          | 0.917               | 53        | 51          | 0.962               | 1752     | 1476        | 0.842               |

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|            |         |        |        | Name  | Country   | University                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 13         | 79      | 3394   | 291957 | Ridha Ben Cheikh                                      |  Tunisia   | Université de Tunis el Manar | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>Science des Matériaux   Biométhanation et synthèse organique  | 23      | 17          | 0.739               | 37        | 24          | 0.649               | 4293     | 1769        | 0.412               |
| 11         | 80      | 3404   | 292411 | Nafaa Adhoum  |  Tunisia   | Université de Carthage       | <a href="#">Natural Sciences / Chemical Sciences</a><br>Electrochimie   Chimie analytique   Environnement   | 23      | 17          | 0.739               | 31        | 25          | 0.806               | 3855     | 1592        | 0.413               |
| 4          | 81      | 3464   | 296665 | Zied Ftiti  |  Tunisia   | Université de Tunis          | <a href="#">Business &amp; Management / Business Administration</a><br>Monney   Macroeconomics   Finance   Econometrics   | 23      | 22          | 0.957               | 49        | 44          | 0.898               | 2499     | 2158        | 0.864               |
| 2          | 82      | 3466   | 296737 | Mekki Ksouri  |  Tunisia   | ESPRIT                       | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>automatique   commande adaptative   systèmes non linéaires   systèmes complexes   surveillance                | 23      | 12          | 0.522               | 68        | 15          | 0.221               | 2487     | 940         | 0.378               |
| 5          | 83      | 3484   | 297857 | Rhouma Rhouma   |  Tunisia   | Université de Gabès          | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Telecommunications   Computer Science   Cryptography   Watermarking   Steganography  | 23      | 18          | 0.783               | 29        | 23          | 0.793               | 2343     | 1302        | 0.556               |
| 23         | 84      | 3508   | 299196 | Lamia Chaari Fourati                                  |  Tunisia | Université de Sfax           | <a href="#">Engineering &amp; Technology / Computer Science</a><br>UAVs and vehicular Networks   Wireless and Mobile Networks   Security Trust and Blockchain   Information Centric Network   Cyber phy | 23      | 20          | 0.870               | 69        | 55          | 0.797               | 2208     | 1739        | 0.788               |
| 24         | 85      | 3530   | 300475 | Lamia Hadrich Belguith                                |  Tunisia | Université de Sfax           | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Arabic Natural Language Processing   Automatic summarization   Question-Answering   Automatic translation   Arabic speech processing | 23      | 17          | 0.739               | 59        | 44          | 0.746               | 2100     | 1378        | 0.656               |

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|            |         |        |        | Name  | Country   | University                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 14         | 86      | 3538   | 300800 | Oum Kalthoum Ben Hassine                              |  Tunisia   | Université de Tunis el Manar | Natural Sciences / Biological Science<br>Biologie marine   écologie marine   écotoxicologie  | 23      | 15          | 0.652               | 62        | 28          | 0.452               | 2074     | 841         | 0.405               |
| 14         | 87      | 3554   | 301635 | Abdellatif Mtibaa                                     |  Tunisia   | Université de Monastir       | Engineering & Technology / Electrical & Electronic Engineering<br>électronique embarqué   intelligence artificielle   Reconfiguration dynamique des FPGA   Architectures reconfigurables | 23      | 20          | 0.870               | 68        | 43          | 0.632               | 2011     | 1405        | 0.699               |
| 15         | 88      | 3561   | 301891 | Mustapha Majdoub                                      |  Tunisia   | Université de Monastir       | Natural Sciences / Chemical Sciences<br>sciences   | 23      | 15          | 0.652               | 55        | 29          | 0.527               | 1994     | 854         | 0.428               |
| 25         | 89      | 3580   | 302642 | Med Salim Bouhlel                                     |  Tunisia   | Université de Sfax           | Engineering & Technology / Computer Science<br>Image processing   Encryption   Watermarking   Telecommunication   Human Machine Interaction  | 23      | 16          | 0.696               | 53        | 27          | 0.509               | 1943     | 1294        | 0.666               |
| 16         | 90      | 3608   | 303958 | Kaïs Ammari   |  Tunisia   | Université de Monastir       | Natural Sciences / Mathematics<br>Control Theory   PDE   | 23      | 18          | 0.783               | 39        | 31          | 0.795               | 1860     | 1021        | 0.549               |
| 17         | 91      | 3643   | 305511 | Habib Nasri   |  Tunisia   | Université de Monastir       | Natural Sciences / Chemical Sciences<br>Chimie   | 23      | 15          | 0.652               | 46        | 29          | 0.630               | 1766     | 817         | 0.463               |
| 12         | 92      | 3702   | 307959 | Ezzeddine Mahmoudi                                    |  Tunisia | Université de Carthage       | Natural Sciences / Biological Science<br>Ecology and Biology   Free-living nematodes   Contaminants   Ecotoxicology   Biomarkers.  | 23      | 17          | 0.739               | 58        | 45          | 0.776               | 1613     | 983         | 0.609               |
| 26         | 93      | 3739   | 309105 | Mohamed Ali Hammami                                   |  Tunisia | Université de Sfax           | Engineering & Technology / Computer Science<br>Control Theory   Differential Equations   Dynamical Systems   | 23      | 20          | 0.870               | 53        | 41          | 0.774               | 1527     | 1181        | 0.773               |
| 13         | 94      | 3807   | 310872 | Olfa Tebourbi   |  Tunisia | Université de Carthage       | Natural Sciences / Biological Science<br>Physiology  | 23      | 20          | 0.870               | 38        | 32          | 0.842               | 1317     | 910         | 0.691               |

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|            |         |        |        | Name  | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 15         | 95      | 3870   | 315822 | <a href="#">Noureddine Ellouze</a>                    |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Laboratoire Signal Image et Technologies de l'Information                  | 22      | 13          | 0.591               | 51        | 16          | 0.314               | 2630     | 992         | 0.377               |
| 27         | 96      | 3918   | 319148 | <a href="#">Abdelmajid Ben Hamadou</a>                |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Natural Language Processing (Arabic)   Information retrieval   Semantic Web   Social Media mining | 22      | 15          | 0.682               | 58        | 26          | 0.448               | 2161     | 1019        | 0.472               |
| 18         | 97      | 3929   | 319978 | <a href="#">Moncef Said</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Physics</a><br>Physics   condensed matter theory   material science   semiconductors  | 22      | 14          | 0.636               | 75        | 31          | 0.413               | 2087     | 954         | 0.457               |
| 16         | 98      | 4148   | 329921 | <a href="#">Najoua Kamoun Turki</a>                   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Physics</a><br>Physique des Semiconducteurs   Solar cells   nanomaterials....   | 22      | 20          | 0.909               | 47        | 43          | 0.915               | 1487     | 1147        | 0.771               |
| 14         | 99      | 4243   | 332827 | <a href="#">Issam Smaali</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Medical and Health Sciences / Biochemistry</a><br>Biotechnology   Applied Biochemistry   | 22      | 17          | 0.773               | 28        | 23          | 0.821               | 1269     | 832         | 0.656               |
| 15         | 100     | 4257   | 333166 | <a href="#">Jamel Jebali</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>Biochimie   aquaculture   Sciences de l'Environnement  | 22      | 15          | 0.682               | 26        | 25          | 0.962               | 1223     | 534         | 0.437               |
| 16         | 101     | 4278   | 333680 | <a href="#">Nabil Attia</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>       | <a href="#">Medical and Health Sciences / Medical Biochemistry</a><br>Clinical Biochemistry   Human Nutrition   Metabolic Syndrome   Atherosclerosis                 | 22      | 12          | 0.545               | 33        | 15          | 0.455               | 1085     | 410         | 0.378               |
| 3          | 102     | 4352   | 340109 | <a href="#">Faouzi Ghorbel</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de la Manouba</a>     | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Machine Learning   Pattern recognition   Geometric computation   Pdf estimation   classification  | 21      | 11          | 0.524               | 42        | 14          | 0.333               | 2186     | 578         | 0.264               |

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|            |         |        |        | Name  | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 17         | 103     | 4413   | 343247 | <a href="#">Yahya Slimani</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Parallel and Distributed systems   Cloud Computing   Parallel and Distributed Data Mining   Information Retrieval | 21      | 15          | 0.714               | 53        | 29          | 0.547               | 1893     | 992         | 0.524               |
| 18         | 104     | 4459   | 345338 | <a href="#">Wahbi Djebali</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Biological Science</a><br>Plant Abiotic Stress  | 21      | 17          | 0.810               | 27        | 21          | 0.778               | 1756     | 1041        | 0.593               |
| 3          | 105     | 4535   | 348576 | <a href="#">Faouzi Kamoun</a>                         |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>                       | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Smart Cities   Social Innovation   Technology Management   Cybersecurity   Telecom                                | 21      | 15          | 0.714               | 37        | 27          | 0.730               | 1591     | 783         | 0.492               |
| 17         | 106     | 4565   | 350016 | <a href="#">Mohamed Nejib Daly Yahia</a>              |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Biological Science</a><br>Plankton Ecology   Plankton Taxonomy   Biodiversity   Ecotoxicology   Zooplankton   | 21      | 16          | 0.762               | 42        | 34          | 0.810               | 1526     | 812         | 0.532               |
| 19         | 107     | 4598   | 351190 | <a href="#">Hassen Amri</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Chemical Sciences</a><br>Synthèse Organique Sélective & Activité Biologique   | 21      | 7           | 0.333               | 49        | 4           | 0.082               | 1477     | 215         | 0.146               |
| 4          | 108     | 4762   | 356440 | <a href="#">Ahmed Masmoudi</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de la Manouba</a>     | <a href="#">Natural Sciences / Biological Science</a><br>biologie biotechnologie   | 21      | 13          | 0.619               | 30        | 18          | 0.600               | 1216     | 426         | 0.350               |
| 28         | 109     | 4887   | 364254 | <a href="#">Nouri Masmoudi</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Electronique Numérique vidéo   | 20      | 14          | 0.700               | 63        | 26          | 0.413               | 2101     | 998         | 0.475               |
| 19         | 110     | 4924   | 366321 | <a href="#">Hassani Messaoud</a>                      |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a>   | 20      | 17          | 0.850               | 63        | 41          | 0.651               | 1882     | 1290        | 0.685               |
| 3          | 111     | 4946   | 367309 | <a href="#">Riad Ben Mansour</a>                      |  <a href="#">Tunisia</a> | <a href="#">Université de Gafsa</a>          | <a href="#">Université de Gafsa</a><br>Biotechnologie   Stress oxydant   Immunologie   | 20      | 18          | 0.900               | 28        | 23          | 0.821               | 1806     | 1219        | 0.675               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 112     | 4993   | 370028 | <a href="#">Slah Msahli</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET Ksar Hellal</a>        | <a href="#">Engineering &amp; Technology / Textile Engineering</a><br>Textile   sciences des matériaux   | 20      | 17          | 0.850               | 39        | 29          | 0.744               | 1638     | 1042        | 0.636               |
| 18         | 113     | 5004   | 370634 | <a href="#">Fehmi Najar</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>MEMS   NEMS   Energy Harvesting   Nonlinear Dynamics  | 20      | 19          | 0.950               | 31        | 31          | 1.000               | 1608     | 1053        | 0.655               |
| 4          | 114     | 5036   | 372108 | <a href="#">Boulbaba Rekik</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Medical and Health Sciences / Veterinary Sciences</a><br>Animal breeding and genetics  | 20      | 15          | 0.750               | 34        | 21          | 0.618               | 1541     | 811         | 0.526               |
| 3          | 115     | 5045   | 372543 | <a href="#">Salwa Bouadila</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a>                | <a href="#">Maitre Assistant Énergétique au Laboratoire des Procédés Thermiques / CRTEn</a><br>Stockage de l'énergie   Conditionnement des serre agricoles   Energie solaire | 20      | 19          | 0.950               | 23        | 22          | 0.957               | 1524     | 1345        | 0.883               |
| 2          | 116     | 5069   | 373231 | <a href="#">Mohamed Ali Mahjoub</a>                   |  <a href="#">Tunisia</a> | <a href="#">Université de Sousse</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Computer vision   Predictive intelligence   | 20      | 18          | 0.900               | 43        | 35          | 0.814               | 1494     | 1311        | 0.878               |
| 5          | 117     | 5078   | 373411 | <a href="#">Asma Maaoui</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>  | <a href="#">Social Sciences / Linguistics and Literature</a><br>Applied linguistics/ Language assessment   | 20      | 19          | 0.950               | 31        | 26          | 0.839               | 1487     | 1240        | 0.834               |
| 6          | 118     | 5108   | 374938 | <a href="#">Mounir Sayadi</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Signal processing   Image processing   computer science                            | 20      | 15          | 0.750               | 44        | 30          | 0.682               | 1427     | 892         | 0.625               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 19         | 119     | 5111   | 375025 | <a href="#">Olfa Boubaker</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Engineering</a><br>Control Systems Engineering   Robotics   Nonlinear systems   Chaos theory   | 20      | 14          | 0.700               | 36        | 24          | 0.667               | 1424     | 905         | 0.636               |
| 5          | 120     | 5126   | 375576 | <a href="#">Brahim Chermiti</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Entomology &amp; Pesticides</a><br>Entomologie   Protection des plantes   Lutte biologique   Lutte intégrée   Ravageurs d'importance économique    | 20      | 17          | 0.850               | 49        | 35          | 0.714               | 1404     | 984         | 0.701               |
| 6          | 121     | 5170   | 377153 | <a href="#">Ali Albouchi</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Natural Sciences / Biological Science</a><br>Ecologie   | 20      | 15          | 0.750               | 33        | 23          | 0.697               | 1345     | 841         | 0.625               |
| 6          | 122     | 5209   | 378381 | <a href="#">Slaheddine Selmi</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Natural Sciences / Biological Science</a><br>Ecologie   Ornithologie  | 20      | 14          | 0.700               | 36        | 25          | 0.694               | 1300     | 671         | 0.516               |
| 4          | 123     | 5339   | 382377 | <a href="#">Younes Moussaoui</a>                      |  <a href="#">Tunisia</a>  | <a href="#">Université de Gafsa</a>  | <a href="#">Natural Sciences / Chemical Sciences</a><br>Synthèse organique   Biomatériaux   traitements des polluants   huiles essentielles   extraits des plantes et activités biologiques | 20      | 17          | 0.850               | 31        | 26          | 0.839               | 1133     | 919         | 0.811               |
| 4          | 124     | 5387   | 383646 | <a href="#">Daoued Mihoubi</a>                        |  <a href="#">Tunisia</a> | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a>                | <a href="#">www.crtcn.rnrt.tn</a><br>Heat and mass transfer   Drying   Energy   | 20      | 14          | 0.700               | 27        | 20          | 0.741               | 1058     | 555         | 0.525               |
| 1          | 125     | 5405   | 384150 | <a href="#">Slimane Gabsi</a>                         |  <a href="#">Tunisia</a> | <a href="#">Institut Supérieur des Etudes Technologiques ISET Sfax</a>               | <a href="#">Engineering &amp; Technology / Energy Engineering</a><br>Solar energy   heat and mass transfer   applied thermodynamic   Olive oil process   membrane distillation              | 20      | 15          | 0.750               | 32        | 26          | 0.813               | 1013     | 686         | 0.677               |

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|            |         |        |        | Name   | Country                 | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 126     | 5474   | 388169 | <a href="#">Khalil Amiri</a><br>              | <a href="#">Tunisia</a> | <a href="#">Mediterranean Institute of Technology</a> | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Data management   distributed computing   public governance   quality assurance   science technology & innovation policy | 19      | 10          | 0.526               | 25        | 10          | 0.400               | 2546     | 313         | 0.123               |
| 5          | 127     | 5483   | 389280 | <a href="#">Henda Hajjami Ben Ghezala</a><br> | <a href="#">Tunisia</a> | <a href="#">Université de la Manouba</a>              | <a href="#">Medical and Health Sciences / Medical Genetics</a><br>Génie logiciel   Internet des objets   smart city   processus collaboratifs   TICE  | 19      | 14          | 0.737               | 64        | 30          | 0.469               | 2268     | 1354        | 0.597               |
| 6          | 128     | 5560   | 394321 | <a href="#">Bessem Mkaouer</a><br>            | <a href="#">Tunisia</a> | <a href="#">Université de la Manouba</a>              | <a href="#">Social Sciences / Higher Education Studies</a><br>Gymnastics   Biomechanics   Sport Physiology   Didactic of Sports Training  | 19      | 17          | 0.895               | 24        | 24          | 1.000               | 1673     | 1418        | 0.848               |
| 20         | 129     | 5566   | 394747 | <a href="#">Amel Ben Abda</a><br>             | <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>          | <a href="#">Natural Sciences / Mathematics</a><br>Inverse problems   PDE's   Numerical analysis   Scientific computing  | 19      | 12          | 0.632               | 26        | 13          | 0.500               | 1647     | 440         | 0.267               |
| 20         | 130     | 5568   | 394829 | <a href="#">Kamel Besbes</a><br>              | <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>                | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Micro & Nano Electronics   | 19      | 16          | 0.842               | 53        | 37          | 0.698               | 1642     | 1123        | 0.684               |
| 21         | 131     | 5588   | 395916 | <a href="#">Abdelwaheb Dogui</a><br>        | <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>                | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Comportement des matériaux   grandes déformations  | 19      | 14          | 0.737               | 29        | 19          | 0.655               | 1579     | 659         | 0.417               |
| 3          | 132     | 5663   | 399223 | <a href="#">Raouf Fathallah</a><br>         | <a href="#">Tunisia</a> | <a href="#">Université de Sousse</a>                  | Fatigue and Mechanical surface treatment  | 19      | 17          | 0.895               | 30        | 27          | 0.900               | 1429     | 864         | 0.605               |
| 22         | 133     | 5798   | 403984 | <a href="#">Mohamed Nazih Omri</a><br>      | <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>                | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Information Retrieval   Data Base   Big Data   Service Computing   Software Engineering                                  | 19      | 13          | 0.684               | 49        | 22          | 0.449               | 1264     | 773         | 0.612               |
| 23         | 134     | 5840   | 405136 | <a href="#">Hedi Belhadjsalah</a><br>       | <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>                | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>computational mechanics   finite element analysis   numerical analysis   | 19      | 14          | 0.737               | 29        | 21          | 0.724               | 1227     | 724         | 0.590               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 29         | 135     | 5867   | 405787 | <a href="#">Najmeddine Abdelmoula</a>                 |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>Sciences des Matériaux  | 19      | 16          | 0.842               | 43        | 30          | 0.698               | 1206     | 744         | 0.617               |
| 30         | 136     | 5908   | 407164 | <a href="#">Lassad Neifar</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Medical and Health Sciences / Parasitology</a><br>biologie marine   biodiversité   parasitologie  | 19      | 13          | 0.684               | 49        | 25          | 0.510               | 1161     | 662         | 0.570               |
| 7          | 137     | 6074   | 412172 | <a href="#">Ons Kefi - Daly Yahia</a>                 |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Natural Sciences / Biological Science</a><br>Plankton Ecology   Biodiversity   Phytoplankton   Oceanography   Ecotoxicology   | 19      | 16          | 0.842               | 29        | 25          | 0.862               | 976      | 631         | 0.647               |
| 7          | 138     | 6087   | 412725 | <a href="#">Amel Amlouk</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>Semiconductors   Thin film materials   Oxides   | 19      | 13          | 0.684               | 24        | 17          | 0.708               | 945      | 432         | 0.457               |
| 24         | 139     | 6314   | 425198 | <a href="#">M'sahli, F.</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>• Process identification   • HOS Identification   • Process Control   • Adaptive and Predictive Control   Observers | 18      | 14          | 0.778               | 36        | 26          | 0.722               | 1468     | 875         | 0.596               |
| 25         | 140     | 6347   | 426771 | <a href="#">Mounir Zrigui</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>intelligence artificielle   traitement automatique des langages naturels   e-learning  | 18      | 15          | 0.833               | 52        | 36          | 0.692               | 1397     | 1009        | 0.722               |
| 20         | 141     | 6515   | 432533 | <a href="#">Mohamed Ali Jendoubi</a>                  |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Mathematics</a><br>Analyse non linéaire - Systèmes dynamiques  | 18      | 12          | 0.667               | 20        | 15          | 0.750               | 1200     | 433         | 0.361               |
| 4          | 142     | 6544   | 433414 | <a href="#">Aref Meddeb</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Sousse</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>IoT   Networks   Telecommunications   | 18      | 16          | 0.889               | 27        | 22          | 0.815               | 1176     | 913         | 0.776               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 21         | 143     | 6661   | 436738 | <a href="#">Latifa Bergaoui</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie-physique   Adsorption   Catalyse  | 18      | 11          | 0.611               | 20        | 12          | 0.600               | 1089     | 495         | 0.455               |
| 7          | 144     | 6674   | 437188 | <a href="#">Faouzi Bacha</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Power system and renewable energy  | 18      | 15          | 0.833               | 33        | 24          | 0.727               | 1077     | 880         | 0.817               |
| 26         | 145     | 6690   | 437672 | <a href="#">Mohamed Ammar Abbassi</a>                 |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Energy Engineering</a><br>Thermal Energy Systems   Heat transfer   Mechanical and Energy Engineering  | 18      | 16          | 0.889               | 27        | 19          | 0.704               | 1065     | 781         | 0.733               |
| 8          | 146     | 6693   | 437721 | <a href="#">Wafa Sassi</a>                            |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Chemical Engineering</a><br>Electrochemistry   Corrosion   Coatings   | 18      | 15          | 0.833               | 24        | 17          | 0.708               | 1064     | 559         | 0.525               |
| 22         | 147     | 6733   | 438927 | <a href="#">Soufiane Touil</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie organique   chimie bioorganique   méthodes spectroscopiques d'analyse   | 18      | 14          | 0.778               | 36        | 22          | 0.611               | 1031     | 738         | 0.716               |
| 23         | 148     | 6764   | 439898 | <a href="#">Jean Pierre Babary</a>                    |  <a href="#">Tunisia</a>  | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Control Theory   Nonlinear Systems   Bioprocess   Distributed Parameter Systems   | 18      | 6           | 0.333               | 26        | 4           | 0.154               | 1005     | 145         | 0.144               |
| 31         | 149     | 6795   | 440843 | <a href="#">Sami Maalej</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | <a href="#">Medical and Health Sciences / Microbiology</a><br>Microbial ecology   Microbial biodiversity   Marine and hypersaline environments   Halophilic microbial genome   Biotechnology | 18      | 14          | 0.778               | 28        | 22          | 0.786               | 979      | 564         | 0.576               |
| 8          | 150     | 6851   | 442529 | <a href="#">Kamel Gargouri</a>                        |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>Agronomie   science du sol   corbone organique du sol  | 18      | 14          | 0.778               | 26        | 21          | 0.808               | 930      | 625         | 0.672               |

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|            |         |        |        | Name  | Country   | University                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 24         | 151     | 7129   | 455285 | Jaleleddine Ben Hadj Slama                            |  Tunisia   | Université de Carthage       | Engineering & Technology / Electrical & Electronic Engineering<br>EMC   Renewable Energy   Smart Grid   remote lab               | 17      | 12          | 0.706               | 34        | 22          | 0.647               | 1481     | 1155        | 0.780               |
| 32         | 152     | 7160   | 456985 | Zarai Zied  |  Tunisia   | Université de Sfax           | Engineering & Technology / Food Science and Engineering<br>Biochemistry  | 17      | 15          | 0.882               | 23        | 21          | 0.913               | 1384     | 898         | 0.649               |
| 33         | 153     | 7217   | 459446 | Mohamed Chtourou                                      |  Tunisia   | Université de Sfax           | Engineering & Technology / Electrical & Electronic Engineering<br>Automatique   Réseaux de neurones artificiels   Systèmes flous | 17      | 11          | 0.647               | 40        | 13          | 0.325               | 1279     | 590         | 0.461               |
| 5          | 154     | 7312   | 462686 | Jalal Chebil  |  Tunisia   | Université de Sousse         | Social Sciences / Transportation Science & Technology<br>Radio wave propagation and antennas                                     | 17      | 11          | 0.647               | 32        | 12          | 0.375               | 1173     | 551         | 0.470               |
| 21         | 155     | 7325   | 462949 | Mourad Elloumi  |  Tunisia   | Université de Tunis el Manar | Engineering & Technology / Computer Science<br>Algorithms   Bioinformatics   Knowledge Discovery and Data Mining                 | 17      | 12          | 0.706               | 27        | 17          | 0.630               | 1165     | 750         | 0.644               |
| 22         | 156     | 7337   | 463274 | Chiheb Bouden   |  Tunisia | Université de Tunis el Manar | Engineering & Technology / Industrial & Manufacturing Engineering  | 17      | 14          | 0.824               | 21        | 17          | 0.810               | 1157     | 874         | 0.755               |
| 27         | 157     | 7350   | 464101 | Hatem Dhaouadi  |  Tunisia | Université de Monastir       | Engineering & Technology / Chemical Engineering<br>Procédés Propres  | 17      | 15          | 0.882               | 31        | 22          | 0.710               | 1133     | 687         | 0.606               |
| 23         | 158     | 7369   | 464788 | Habib Ouerdiane                                       |  Tunisia | Université de Tunis el Manar | Natural Sciences / Mathematics<br>Stochastic Analysis   infinite dimensional analysis  | 17      | 8           | 0.471               | 32        | 6           | 0.188               | 1115     | 261         | 0.234               |

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|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 3          | 159     | 7405   | 465998 | <a href="#">Neji Ladhari</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET Ksar Hellal</a> | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie Textile  | 17      | 15          | 0.882               | 23        | 22          | 0.957               | 1086     | 886         | 0.816               |
| 25         | 160     | 7585   | 470962 | <a href="#">Mohamed Dellali</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>  | <a href="#">Natural Sciences / Biological Science</a><br>écotoxicology   biomarkers   bivalves   marine pollution   | 17      | 12          | 0.706               | 23        | 16          | 0.696               | 975      | 433         | 0.444               |
| 24         | 161     | 7635   | 472378 | <a href="#">Zouhaier Abbes</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                                  | <a href="#">ISSTE Borj CÃ©dria / INR-Laboratoire des Grandes Cultures - University Carthage à El</a><br>salt   seed priming   Orobanche   Cistanche   Cuscute | 17      | 14          | 0.824               | 26        | 18          | 0.692               | 945      | 580         | 0.614               |
| 2          | 162     | 7687   | 474381 | <a href="#">Imed Hammouda</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Mediterranean Institute of Technology</a>                         | <a href="#">Engineering &amp; Technology / Engineering</a><br>Software Engineering  | 17      | 11          | 0.647               | 31        | 13          | 0.419               | 903      | 448         | 0.496               |
| 7          | 163     | 7908   | 479921 | <a href="#">Ibrahim Bounhas</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de la Manouba</a>                                      | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Arabic NLP   Arabic Information Retrieval   Information Reliability   Knowledge Extraction | 17      | 14          | 0.824               | 33        | 23          | 0.697               | 746      | 514         | 0.689               |
| 9          | 164     | 7913   | 480023 | <a href="#">Bechir Chaouachi</a>                      |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Energie   Eau   Environnement et Procédés   | 17      | 13          | 0.765               | 23        | 18          | 0.783               | 742      | 509         | 0.686               |
| 28         | 165     | 8010   | 483636 | <a href="#">Malek Mazouz</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>  | <a href="#">Natural Sciences / Physics</a><br>nuclear physics   | 16      | 15          | 0.938               | 18        | 18          | 1.000               | 2481     | 970         | 0.391               |
| 29         | 166     | 8078   | 488337 | <a href="#">T. Benameur</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>  | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>Mechanics of Advanced Materials                                   | 16      | 12          | 0.750               | 24        | 14          | 0.583               | 1526     | 562         | 0.368               |
| 25         | 167     | 8097   | 489630 | <a href="#">Mohamed Faouzi Zid</a>                    |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>                                  | <a href="#">Natural Sciences / Chemical Sciences</a><br>inorganic chemistry   | 16      | 14          | 0.875               | 50        | 33          | 0.660               | 1428     | 957         | 0.670               |

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|            |         |        |        | Name  | Country   | University                                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 26         | 168     | 8248   | 496417 | <a href="#">Lotfi Ben Tahar</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>Inorganic Chemistry   Nanoscience & Nanotechnology  | 16      | 14          | 0.875               | 21        | 18          | 0.857               | 1124     | 654         | 0.582               |
| 26         | 169     | 8319   | 498639 | <a href="#">Mohamed Najeh Lakhoua</a>                 |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Analysis & Modeling   SCADA   SADT   SA-RT   Smart Grid   | 16      | 12          | 0.750               | 32        | 18          | 0.563               | 1063     | 610         | 0.574               |
| 30         | 170     | 8338   | 499175 | <a href="#">Houcine Barhoumi</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>Electrochimie   surfaces et interfaces   Capteur et Biocapteur  | 16      | 12          | 0.750               | 21        | 15          | 0.714               | 1050     | 627         | 0.597               |
| 31         | 171     | 8345   | 499505 | <a href="#">Habib Sammouda</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Physics</a><br>Heat Transfer   numerical studies   Energy   Materials  | 16      | 13          | 0.813               | 26        | 16          | 0.615               | 1042     | 652         | 0.626               |
| 27         | 172     | 8366   | 500352 | <a href="#">Mohamed Ghanmi</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>tectonics   structural geology   geological mapping   dam study   hazard study   | 16      | 10          | 0.625               | 25        | 12          | 0.480               | 1022     | 511         | 0.500               |
| 34         | 173     | 8412   | 501856 | <a href="#">Hadj Abdallah Hsan</a>                    |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a>  | 16      | 13          | 0.813               | 29        | 18          | 0.621               | 990      | 704         | 0.711               |
| 10         | 174     | 8478   | 504283 | <a href="#">Rafik Bachoual</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>          | <a href="#">Medical and Health Sciences / Microbiology</a><br>Microbiologie et Immunologie  | 16      | 12          | 0.750               | 16        | 13          | 0.813               | 942      | 406         | 0.431               |
| 27         | 175     | 8516   | 505461 | <a href="#">Zaghoudi Mc</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>       | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Heat pipe cooling and heating systems   HVAC systems   Refrigerating machines   Electrohydrodynamic techniques   Pool boiling | 16      | 12          | 0.750               | 23        | 13          | 0.565               | 919      | 348         | 0.379               |

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|            |         |        |        | Name  | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 8          | 176     | 8607   | 507675 | <a href="#">Olfa Belkahla-Driss</a>                   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>          | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Scheduling   multi-agent systems   metaheuristics   manufacturing systems   combinatorial optimization | 16      | 16          | 1.000               | 23        | 21          | 0.913               | 881      | 829         | 0.941               |
| 28         | 177     | 8639   | 508484 | <a href="#">Rim Faiz</a>                              |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Engineering &amp; Technology / Electrical &amp; Information Engineering</a><br>AI   Big Data   NLP and Semantic Web  | 16      | 13          | 0.813               | 23        | 14          | 0.609               | 867      | 598         | 0.690               |
| 9          | 178     | 8649   | 508952 | <a href="#">Wahiba Ben Abdessalem</a>                 |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>          | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Text mining   NLP   information extraction   Image mining   information system  | 16      | 14          | 0.875               | 25        | 21          | 0.840               | 858      | 685         | 0.798               |
| 28         | 179     | 8663   | 509314 | <a href="#">Tarek Hamrouni</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Data Mining   Formal Concept Analysis   Distributed System   Cloud   Data Grid  | 16      | 11          | 0.688               | 22        | 13          | 0.591               | 852      | 398         | 0.467               |
| 35         | 180     | 8664   | 509316 | <a href="#">Kamel Damak</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Physics</a><br>Microfiltration - Glasses - Judd-Ofelt - Luminescence - Lanthanide ions - Spectroscopy   | 16      | 15          | 0.938               | 21        | 18          | 0.857               | 852      | 605         | 0.710               |
| 32         | 181     | 8706   | 510282 | <a href="#">Msaddek Moncef</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>chimie   | 16      | 12          | 0.750               | 21        | 13          | 0.619               | 836      | 501         | 0.599               |
| 36         | 182     | 8716   | 510490 | <a href="#">Walid Mahdi</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Computer Science</a><br>computer vision   machine learning   multimedia applications  | 16      | 13          | 0.813               | 24        | 15          | 0.625               | 832      | 519         | 0.624               |
| 33         | 183     | 8738   | 511090 | <a href="#">Noureddine Chatti</a>                     |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>       | <a href="#">Medical and Health Sciences / Medical Genetics</a><br>Génétique des populations   Génétique de la conservation   | 16      | 10          | 0.625               | 25        | 10          | 0.400               | 822      | 360         | 0.438               |

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|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 10         | 184     | 8750   | 511435 | <a href="#">Amor Belhedi</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>                                   | <a href="#">Natural Sciences / Geography</a><br>Géographie   Tunisie   organisation spatiale   aménagement   développement  | 16      | 8           | 0.500               | 25        | 6           | 0.240               | 816      | 271         | 0.332               |
| 29         | 185     | 8818   | 513286 | <a href="#">Salah Bouhlel</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Engineering</a><br>Minéralogie   gîtes minéraux métalliques   phosphates sedimentaires   géochimie isotopique                            | 16      | 11          | 0.688               | 25        | 15          | 0.600               | 782      | 450         | 0.575               |
| 29         | 186     | 8819   | 513334 | <a href="#">Noomene Sleimi</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>                                | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>Phytoremediation   Heavy metals   Abiotic stress   Ecology and physiology of Halophytes | 16      | 15          | 0.938               | 26        | 22          | 0.846               | 781      | 628         | 0.804               |
| 37         | 187     | 8959   | 516888 | <a href="#">Foued Ben Ayed</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Bioengineering</a><br>Biomaterials - Bioceramics   | 16      | 11          | 0.688               | 22        | 13          | 0.591               | 706      | 286         | 0.405               |
| 30         | 188     | 9059   | 519430 | <a href="#">Abderrazek Karoui</a>                     |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>                                | <a href="#">Natural Sciences / Mathematics</a><br>Applied Harmonic Analysis   Fourier Analysis   Approximation Theory and Special Functions   | 16      | 11          | 0.688               | 22        | 14          | 0.636               | 618      | 307         | 0.497               |
| 5          | 189     | 9069   | 519667 | <a href="#">Mohamed Fadhel Ben Aissa</a>              |  <a href="#">Tunisia</a> | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">CRTEn</a>   | 16      | 14          | 0.875               | 19        | 19          | 1.000               | 603      | 475         | 0.788               |
| 31         | 190     | 9308   | 533618 | <a href="#">Mohamed Ali Toumi</a>                     |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>                                | <a href="#">Natural Sciences / Mathematics</a><br>Mathematics   Lattice theory   functional analysis   Operator theory  | 15      | 12          | 0.800               | 24        | 14          | 0.583               | 1083     | 690         | 0.637               |
| 32         | 191     | 9564   | 541828 | <a href="#">Sihem Jaziri</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>                                | <a href="#">Natural Sciences / Physics</a><br>physics   nanostructure   2D Materials  | 15      | 10          | 0.667               | 31        | 13          | 0.419               | 895      | 546         | 0.610               |

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|            |         |        |        | Name  | Country | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 192     | 9628   | 543829 | Mahmoud Hamouda                                       | Tunisia | Institut Supérieur des Etudes Technologiques ISET Sousse | Engineering & Technology / Electrical & Electronic Engineering<br>power electronics   grid-tie converters   renewable energy   smart grid | 15      | 13          | 0.867               | 26        | 18          | 0.692               | 859      | 639         | 0.744               |
| 34         | 193     | 9672   | 545166 | Hela Jaidane  | Tunisia | Université de Monastir                                   | Medical and Health Sciences / Pharmacy & Pharmaceutical Sciences<br>Virologie   Immunologie   | 15      | 13          | 0.867               | 22        | 17          | 0.773               | 837      | 436         | 0.521               |
| 38         | 194     | 9891   | 551169 | Maher Khemakhem                                       | Tunisia | Université de Sfax                                       | Engineering & Technology / Computer Science<br>Arabic OCR   Distributed systems and Network Security                                      | 15      | 12          | 0.800               | 21        | 14          | 0.667               | 749      | 456         | 0.609               |
| 35         | 195     | 9943   | 552294 | Khlifi Mouadh   | Tunisia | Université de Monastir                                   | Natural Sciences / Physics<br>Materials Science   Magnetocaloric effects   Manganese oxide  | 15      | 13          | 0.867               | 20        | 16          | 0.800               | 734      | 525         | 0.715               |
| 39         | 196     | 9970   | 552943 | Fathi Abid  | Tunisia | Université de Sfax                                       | Economics & Econometrics / Accounting & Finance<br>Risk Management   Finance Analytics   Data Analysis   Modeling                         | 15      | 11          | 0.733               | 21        | 13          | 0.619               | 725      | 370         | 0.510               |
| 36         | 197     | 9982   | 553268 | Tarek Boufaden  | Tunisia | Université de Monastir                                   | Natural Sciences / Physics<br>Physics   | 15      | 7           | 0.467               | 28        | 5           | 0.179               | 720      | 169         | 0.235               |
| 37         | 198     | 10054  | 554923 | Kamel Guedri  | Tunisia | Université de Monastir                                   | Engineering & Technology / Mechanical Engineering<br>Mechanical and Thermal Engineering   | 15      | 12          | 0.800               | 19        | 16          | 0.842               | 697      | 512         | 0.735               |
| 6          | 199     | 10146  | 556487 | Anouar Ben Khalifa                                    | Tunisia | Université de Sousse                                     | Engineering & Technology / Engineering<br>Pattern Recognition   Computer Vision   Machine Learning   MULTIBIOMETRICS   data fusion        | 15      | 14          | 0.933               | 25        | 20          | 0.800               | 672      | 604         | 0.899               |
| 38         | 200     | 10176  | 557233 | Hassen Fredj  | Tunisia | Université de Monastir                                   | Natural Sciences / Physics<br>semiconducor physics  | 15      | 6           | 0.400               | 21        | 4           | 0.190               | 660      | 195         | 0.295               |
| 33         | 201     | 10410  | 562921 | Adnène Arbi   | Tunisia | Université de Carthage                                   | Natural Sciences / Mathematics<br>Time scales   Time delay systems   Neural Networks   Control theory   Artificial Intelligence           | 15      | 15          | 1.000               | 17        | 16          | 0.941               | 481      | 463         | 0.963               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |        |   |   |  |  |         |             |                     |           |             |                     |          |             |                     |
| 11         | 202     | 10486  | 567283 | <a href="#">Hatem M Henni</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Economics &amp; Econometrics / Economics</a><br>Industrial economics   Innovation Systems   Energy consumption   Digitalization   Environment                    | 14      | 9           | 0.643               | 19        | 9           | 0.474               | 1586     | 1088        | 0.686               |
| 30         | 203     | 10501  | 568514 | <a href="#">Samir Ghazouani</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Economics &amp; Econometrics / Accounting &amp; Finance</a><br>Applied econometrics   Labor   Education   Macrofinance   | 14      | 9           | 0.643               | 17        | 8           | 0.471               | 1426     | 714         | 0.501               |
| 7          | 204     | 10533  | 571032 | <a href="#">Ousama Ben-Salha</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>   | <a href="#">Economics &amp; Econometrics / Economics</a><br>Development Economics   Energy Economics   Climate Change   Applied Econometrics                                 | 14      | 11          | 0.786               | 17        | 13          | 0.765               | 1223     | 1101        | 0.900               |
| 34         | 205     | 10581  | 573402 | <a href="#">Melik Sahraoui</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>heat and mass transfer   porous media   Renewable Energies  | 14      | 11          | 0.786               | 15        | 11          | 0.733               | 1096     | 356         | 0.325               |
| 11         | 206     | 10590  | 573674 | <a href="#">Nizar Bel Hadj Ali</a>                    |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Civil Engineering</a><br>active structures   structural performance monitoring   decision support   advanced computing techniques | 14      | 13          | 0.929               | 18        | 18          | 1.000               | 1084     | 675         | 0.623               |
| 6          | 207     | 10598  | 573817 | <a href="#">Mongi Bouaicha</a>                        |  <a href="#">Tunisia</a> | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a>                | <a href="#">Laboratoire de Photovoltaïque Centre de Recherches et des Technologies de l'Energie</a><br>Recherche scientifique en Photovoltaïque                              | 14      | 9           | 0.643               | 22        | 9           | 0.409               | 1078     | 615         | 0.571               |
| 9          | 208     | 10695  | 577759 | <a href="#">Mohamed Elloumi</a>                       |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Economics &amp; Econometrics / Economics</a><br>Economie rurale   politiques agricoles et de développement rural   | 14      | 11          | 0.786               | 35        | 12          | 0.343               | 949      | 412         | 0.434               |

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|------------|---------|--------|--------|---|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |        |   |   |  |  |         |             |                     |           |             |                     |          |             |                     |
| 10         | 209     | 10742  | 579287 | <a href="#">Hichem Hajlaoui</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>Agro-physiology-abiotic stresses-unconventional water- plant biotechnology                       | 14      | 12          | 0.857               | 14        | 12          | 0.857               | 913      | 594         | 0.651               |
| 39         | 210     | 10813  | 581719 | <a href="#">Anouar Ben Mabrouk</a>                    |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Mathematics</a><br>Mathematical Physics   Wavelets/Fractals   Probability/Statistics   Financial Mathematics   Biomathematics | 14      | 13          | 0.929               | 33        | 23          | 0.697               | 863      | 611         | 0.708               |
| 3          | 211     | 10823  | 582034 | <a href="#">Hakimi Abdelaziz</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>   | <a href="#">Economics &amp; Econometrics / Banking and Insurance</a><br>Financial Economics   Banking Behavior   Economic growth                             | 14      | 14          | 1.000               | 22        | 21          | 0.955               | 857      | 796         | 0.929               |
| 35         | 212     | 10862  | 583447 | <a href="#">Houda Marouani</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie   | 14      | 13          | 0.929               | 21        | 17          | 0.810               | 832      | 732         | 0.880               |
| 12         | 213     | 10982  | 587375 | <a href="#">Hassen Taleb</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Natural Sciences / Mathematics</a><br>statistical process control   control charts   | 14      | 13          | 0.929               | 16        | 13          | 0.813               | 773      | 506         | 0.655               |
| 40         | 214     | 11034  | 588577 | <a href="#">Nejla Mahjoub Saïd</a>                    |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Energétique-physique   | 14      | 12          | 0.857               | 21        | 15          | 0.714               | 756      | 544         | 0.720               |
| 36         | 215     | 11065  | 589460 | <a href="#">Sadok Ben Jabrallah</a>                   |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Physics</a><br>Thermal   fluids   phase change   metrology  | 14      | 11          | 0.786               | 20        | 13          | 0.650               | 744      | 530         | 0.712               |
| 41         | 216     | 11143  | 591179 | <a href="#">Mondher Zidi</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>composite material   tribology                                   | 14      | 12          | 0.857               | 17        | 15          | 0.882               | 722      | 400         | 0.554               |
| 4          | 217     | 11148  | 591228 | <a href="#">Ibrahim Ouergui</a>                       |  <a href="#">Tunisia</a> | <a href="#">Université de Jendouba</a>   | <a href="#">High Institute of Sport and Physical Education, Kef, Tunisia</a><br>Sports sciences   Exercise physiology   Combat sports   Combat analysis      | 14      | 14          | 1.000               | 20        | 20          | 1.000               | 721      | 627         | 0.870               |

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|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 40         | 218     | 11261  | 594181 | <a href="#">Chokri Rekik</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>commande des système complexe   optimisation   Logique floue   Robotique   | 14      | 12          | 0.857               | 24        | 16          | 0.667               | 685      | 552         | 0.806               |
| 42         | 219     | 11318  | 595877 | <a href="#">Ali Douik</a>                             |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>                                | <a href="#">Economics &amp; Econometrics / Economics</a><br>Traitement du Signal et des Images  | 14      | 13          | 0.929               | 16        | 14          | 0.875               | 666      | 516         | 0.775               |
| 12         | 220     | 11340  | 596663 | <a href="#">Ahmed Saïd Nouri</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>                                   | <a href="#">Engineering &amp; Technology / Engineering</a><br>Génie électrique  | 14      | 9           | 0.643               | 18        | 8           | 0.444               | 657      | 305         | 0.464               |
| 41         | 221     | 11352  | 596926 | <a href="#">Ahmed Gargouri</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Natural Sciences / Mathematics</a><br>Productions Animales  | 14      | 11          | 0.786               | 18        | 11          | 0.611               | 654      | 317         | 0.485               |
| 31         | 222     | 11507  | 599927 | <a href="#">Ahmed Fitouhi</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Natural Sciences / Mathematics</a><br>Mathématiques   | 14      | 9           | 0.643               | 19        | 8           | 0.421               | 619      | 289         | 0.467               |
| 13         | 223     | 11591  | 601748 | <a href="#">Amara Masrouhi</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>                                   | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Structural Geology   salt tectonics  | 14      | 13          | 0.929               | 18        | 16          | 0.889               | 597      | 432         | 0.724               |
| 32         | 224     | 11668  | 603441 | <a href="#">Guetat A</a>                              |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Natural Sciences / Biological Science</a><br>Biological Sciences   Biodiversity   | 14      | 12          | 0.857               | 19        | 13          | 0.684               | 576      | 368         | 0.639               |
| 7          | 225     | 11697  | 604188 | <a href="#">Anouar Hajjaji</a>                        |  <a href="#">Tunisia</a> | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">Natural Sciences / Physics</a><br>Physics   Thin Film Solar Cells   Materials & NanoScience Engineering   | 14      | 11          | 0.786               | 15        | 12          | 0.800               | 566      | 415         | 0.733               |
| 33         | 226     | 11707  | 604349 | <a href="#">Slim Tayachi</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Natural Sciences / Mathematics</a><br>Mathematics   | 14      | 11          | 0.786               | 18        | 14          | 0.778               | 563      | 294         | 0.522               |
| 14         | 227     | 11711  | 604467 | <a href="#">Ahmed Zouinkhi</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>                                   | <a href="#">Engineering &amp; Technology / Mechatronics Engineering</a><br>Internet of Things   Socialized Industrial IoT   Wireless Sensor Network   Applied Machine Learning   Embedded Artificial Intelligen | 14      | 12          | 0.857               | 21        | 15          | 0.714               | 561      | 449         | 0.800               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |        |   |   |  |   |         |             |                     |           |             |                     |          |             |                     |
| 11         | 228     | 11743  | 605166 | Iteb Boughattas                                       |  Tunisia   | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Soil Sciences and Plant Nutrition<br>Soil sciences   ecotoxicology   earthworms   bioremediation   microbial ecology                                       | 14      | 14          | 1.000               | 16        | 16          | 1.000               | 552      | 541         | 0.980               |
| 43         | 229     | 11745  | 605212 | Mohamed Ali Zaidi                                     |  Tunisia   | Université de Monastir   | Natural Sciences / Physics<br>Semiconductor   Solid State Physics   | 14      | 8           | 0.571               | 18        | 7           | 0.389               | 551      | 277         | 0.503               |
| 44         | 230     | 11764  | 605550 | Kais Bouzrara   |  Tunisia   | Université de Monastir   | Engineering & Technology / Computer Science<br>automatique   traitement de signal   | 14      | 13          | 0.929               | 22        | 18          | 0.818               | 545      | 485         | 0.890               |
| 12         | 231     | 11790  | 606000 | Noureddine Gaaloul                                    |  Tunisia   | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Chercheur Science & Techniquel'EauUniversitÃ© Starsbourg<br>Science et Technique de l'Eau   | 14      | 11          | 0.786               | 15        | 11          | 0.733               | 538      | 356         | 0.662               |
| 1          | 232     | 11893  | 608077 | Abdellaoui Raoudha                                    |  Tunisia   | Institut des Régions Arides de Médenine                              | Medical and Health Sciences / Physiology<br>Physiologie Végétales des plantes spontanées des zones arides et désertiques  | 14      | 11          | 0.786               | 22        | 14          | 0.636               | 491      | 352         | 0.717               |
| 13         | 233     | 12059  | 616748 | Said Gattoufi   |  Tunisia | Université de Tunis  | Engineering & Technology / Computer Science<br>Business Analytics   Efficiency Analysis   Data Envelopment Analysis (DEA)   Inverse DEA and Inverse Optimization   Genetic Algorith | 13      | 12          | 0.923               | 17        | 13          | 0.765               | 1168     | 518         | 0.443               |
| 13         | 234     | 12075  | 617429 | Chafik Hdider   |  Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Horticulture<br>Horticulture   | 13      | 12          | 0.923               | 17        | 14          | 0.824               | 1124     | 690         | 0.614               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |        |   |   |  |  |         |             |                     |           |             |                     |          |             |                     |
| 14         | 235     | 12101  | 618138 | Riadh Ilahy   |  Tunisia   | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Horticulture<br>Horticultural crops quality   Phytochemicals   high-pigment tomato cvs                                      | 13      | 11          | 0.846               | 16        | 14          | 0.875               | 1084     | 744         | 0.686               |
| 14         | 236     | 12181  | 622014 | Jalel Akaichi   |  Tunisia   | Université de Tunis  | Business & Management / Business Administration<br>Business Intelligence   Big data   Pervasive Systems   Data Warehousing   Artificial Intelligence | 13      | 12          | 0.923               | 26        | 17          | 0.654               | 924      | 642         | 0.695               |
| 34         | 237     | 12213  | 623198 | Meherzia Mokni  |  Tunisia   | Université de Tunis el Manar   | Medical and Health Sciences / Pharmacy & Pharmaceutical Sciences<br>Physiologie animale   Biochimie   Pharmacologie                                  | 13      | 12          | 0.923               | 19        | 15          | 0.789               | 889      | 402         | 0.452               |
| 1          | 238     | 12260  | 624873 | Sejir Khojet El Khil                                  |  Tunisia   | Institut Supérieur des Etudes Technologiques ISET'COM                | Engineering & Technology / Electrical & Electronic Engineering<br>Electrical engineering   | 13      | 10          | 0.769               | 15        | 14          | 0.933               | 846      | 701         | 0.829               |
| 8          | 239     | 12322  | 627274 | Ghassen El Montasser                                  |  Tunisia  | Université de la Manouba   | Economics & Econometrics / Economics<br>Time series econometrics   | 13      | 13          | 1.000               | 16        | 13          | 0.813               | 797      | 671         | 0.842               |
| 45         | 240     | 12337  | 627828 | Brahim Bchir  |  Tunisia | Université de Monastir   | Engineering & Technology / Food Science and Engineering<br>agroalimentaire   | 13      | 12          | 0.923               | 18        | 16          | 0.889               | 787      | 608         | 0.773               |
| 37         | 241     | 12382  | 629408 | Abderrazak Jemai                                      |  Tunisia | Université de Carthage   | Natural Sciences / Mathematics<br>IoT   Embedded Systems   Security   Industry 4.0   | 13      | 13          | 1.000               | 13        | 13          | 1.000               | 761      | 711         | 0.934               |
| 38         | 242     | 12496  | 632691 | Housam Binous   |  Tunisia | Université de Carthage   | Natural Sciences / Mathematics<br>numerical simulations  | 13      | 11          | 0.846               | 19        | 13          | 0.684               | 712      | 484         | 0.680               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |        |   |   |  |  |         |             |                     |           |             |                     |          |             |                     |
| 15         | 243     | 12604  | 635233 | <a href="#">Abidi Sourour</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Medical and Health Sciences / Nutrition and Dietetics</a><br>Animal Nutrition  | 13      | 11          | 0.846               | 16        | 13          | 0.813               | 680      | 392         | 0.576               |
| 39         | 244     | 12682  | 637186 | <a href="#">Noureddine Hamdi</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Information Engineering</a><br>Wireless Communications and Networks   Green Technologies | 13      | 12          | 0.923               | 23        | 17          | 0.739               | 656      | 445         | 0.678               |
| 35         | 245     | 12722  | 638370 | <a href="#">Houcemeddine Hermassi</a>                 |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Engineering &amp; Technology / Engineering</a><br>information science   cryptology   secure communications   chaos                       | 13      | 12          | 0.923               | 15        | 14          | 0.933               | 644      | 496         | 0.770               |
| 36         | 246     | 12734  | 638809 | <a href="#">Oualid Limam</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Engineering &amp; Technology / Civil Engineering</a>   | 13      | 12          | 0.923               | 18        | 15          | 0.833               | 639      | 384         | 0.601               |
| 5          | 247     | 12813  | 640879 | <a href="#">Haithem Mezni</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Service-Oriented Computing   Cloud Computing   Recommender Systems                | 13      | 13          | 1.000               | 18        | 15          | 0.833               | 618      | 544         | 0.880               |
| 9          | 248     | 12876  | 642409 | <a href="#">Rafik Braham</a>                          |  <a href="#">Tunisia</a>  | <a href="#">Université de la Manouba</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>elearning   mimo communication systems   knowledge modeling                       | 13      | 10          | 0.769               | 24        | 10          | 0.417               | 602      | 311         | 0.517               |
| 16         | 249     | 12923  | 643376 | <a href="#">Mohamed Bechir Allagui</a>                |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Plant Science</a><br>Phytopathologie  | 13      | 8           | 0.615               | 17        | 7           | 0.412               | 593      | 347         | 0.585               |
| 17         | 250     | 12928  | 643463 | <a href="#">Fayçal Benjeddi</a>                       |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Professeur Directeur Général INAT Université de Carthage</a><br>Agronomie Environnement Bio-fertilisation                                | 13      | 11          | 0.846               | 17        | 13          | 0.765               | 592      | 484         | 0.818               |

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|------------|---------|--------|--------|---|---|---|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 40         | 251     | 12992  | 644724 | <a href="#">Mohamed Ammari</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>                  | <a href="#">Medical and Health Sciences / Physiology</a><br>Toxicology and Physiology   | 13      | 12          | 0.923               | 15        | 13          | 0.867               | 580      | 323         | 0.557               |
| 1          | 252     | 13044  | 645765 | <a href="#">Omri Aref</a>                             |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>                  | <a href="#">Material Characterizations, Magnetocaloric effects, material science</a><br>Matériaux                                     | 13      | 13          | 1.000               | 15        | 13          | 0.867               | 570      | 475         | 0.833               |
| 2          | 253     | 13094  | 646956 | <a href="#">Amor Gaddour</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Institut des Régions Arides de Médenine</a> | <a href="#">Medical and Health Sciences / Medical Genetics</a><br>Génétique Animale   | 13      | 9           | 0.692               | 20        | 7           | 0.350               | 558      | 272         | 0.487               |
| 37         | 254     | 13103  | 647106 | <a href="#">Samir Elloumi</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>            | <a href="#">Engineering &amp; Technology / Computer Science</a><br>automatic classification   formal concept analysis   text mining   | 13      | 8           | 0.615               | 16        | 6           | 0.375               | 557      | 180         | 0.323               |
| 46         | 255     | 13135  | 647683 | <a href="#">Abdelmajid Benamara</a>                   |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>                  | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>CAO   CFAO   Calcul   CAD/CAM                                | 13      | 11          | 0.846               | 21        | 14          | 0.667               | 551      | 413         | 0.750               |
| 41         | 256     | 13175  | 648198 | <a href="#">Lilia Romdhane</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>                  | <a href="#">Natural Sciences / Biological Science</a>   | 13      | 12          | 0.923               | 16        | 16          | 1.000               | 546      | 400         | 0.733               |
| 38         | 257     | 13242  | 649797 | <a href="#">Fethi Soltani</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>            | <a href="#">Natural Sciences / Mathematics</a><br>Mathematics (Harmonic Analysis)   | 13      | 7           | 0.538               | 16        | 3           | 0.188               | 531      | 215         | 0.405               |
| 42         | 258     | 13323  | 651639 | <a href="#">Nabil Njah</a>                            |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>                      | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>Metallurgy                                | 13      | 9           | 0.692               | 16        | 8           | 0.500               | 511      | 236         | 0.462               |
| 8          | 259     | 13344  | 652081 | <a href="#">Khalifa Slimi</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Sousse</a>                    | <a href="#">Social Sciences / Transportation Science &amp; Technology</a><br>Mécanique des Fluides   Transferts Thermique et Massique | 13      | 9           | 0.692               | 17        | 9           | 0.529               | 506      | 316         | 0.625               |
| 15         | 260     | 13345  | 652085 | <a href="#">Kraini Mabrouk</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>                     | <a href="#">Natural Sciences / Physics</a><br>solide state   physics of materials and nanomaterials                                   | 13      | 12          | 0.923               | 16        | 15          | 0.938               | 506      | 448         | 0.885               |

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|------------|---------|--------|--------|---|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 43         | 261     | 13418  | 653830 | <a href="#">Nader Ben Amor</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>systèmes embarqués   FPGA   système adaptatifs   robotique mobile  | 13      | 10          | 0.769               | 18        | 10          | 0.556               | 485      | 295         | 0.608               |
| 39         | 262     | 13428  | 653996 | <a href="#">Said Ridene</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Physics</a><br>Semiconductors Physics   modeling   hybrid materials and low dimensional systems: 2D   1D and 0D semiconductors  | 13      | 11          | 0.846               | 21        | 12          | 0.571               | 483      | 251         | 0.520               |
| 16         | 263     | 13486  | 655322 | <a href="#">Majda Ltaief</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>          | <a href="#">Engineering &amp; Technology / Engineering</a><br>Multimodel and Multicontrol approaches   Fuzzy supervision and Numerical Control of complex systems.   | 13      | 7           | 0.538               | 17        | 5           | 0.294               | 465      | 193         | 0.415               |
| 9          | 264     | 13695  | 662721 | <a href="#">Maamar Sebri</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>         | <a href="#">Economics &amp; Econometrics / Economics</a><br>Climate change   Water and Energy Economics   Water-Energy-Food Nexus   Applied Econometrics   Meta-analysis                                       | 12      | 11          | 0.917               | 14        | 12          | 0.857               | 1400     | 1206        | 0.861               |
| 40         | 265     | 13878  | 671698 | <a href="#">Samir Ben Ahmed</a>                       |  <a href="#">Tunisia</a>  | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Systèmes Temps Réel   Systèmes Embarqués   Génie Logiciel   Ingénierie dirigée par les modèles   approches formelles | 12      | 9           | 0.750               | 17        | 6           | 0.353               | 825      | 428         | 0.519               |
| 4          | 266     | 13917  | 673179 | <a href="#">Ahmed Elmi</a>                            |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>                       | <a href="#">Unknown affiliation</a>  | 12      | 9           | 0.750               | 14        | 9           | 0.643               | 787      | 251         | 0.319               |
| 41         | 267     | 13996  | 676091 | <a href="#">Imed Jlassi</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Medical and Health Sciences / Biochemistry</a><br>Control and Fault Diagnostics of AC Motor Drives and Wind Turbine Systems  | 12      | 12          | 1.000               | 13        | 13          | 1.000               | 728      | 672         | 0.923               |

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|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 268     | 14134  | 679931 | <a href="#">Habib Hamdi</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>                                | <a href="#">Assistant Professor of Automatic Control, University of Al-Qayrawan Tunisia, Lab of ...</a><br>Electrical Engineering   Automatic Control   Modeling   Diagnosis   Fault Tolerant Control                 | 12      | 11          | 0.917               | 13        | 11          | 0.846               | 669      | 453         | 0.677               |
| 42         | 269     | 14211  | 681951 | <a href="#">Jamel Chahed</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Natural Sciences / Chemical Sciences</a><br>Turbulence   multiphase flow  | 12      | 11          | 0.917               | 20        | 13          | 0.650               | 641      | 336         | 0.524               |
| 8          | 270     | 14253  | 682846 | <a href="#">Nabih Naihi</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">Natural Sciences / Physics</a><br>Renewable Energy  | 12      | 12          | 1.000               | 12        | 12          | 1.000               | 631      | 460         | 0.729               |
| 44         | 271     | 14327  | 685103 | <a href="#">Hamadi Ghariani</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Électronique analogique et mixte   Électronique médicale   Systèmes de communication pour la télémétrie médicale   Mesure e | 12      | 8           | 0.667               | 16        | 7           | 0.438               | 604      | 338         | 0.560               |
| 43         | 272     | 14398  | 687205 | <a href="#">Mohamed Moalla</a>                        |  <a href="#">Tunisia</a>  | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Electrical &amp; Information Engineering</a><br>Modélisation et Analyse des Systèmes à événements discrets   Pilotage des Systèmes d'activités                             | 12      | 5           | 0.417               | 17        | 5           | 0.294               | 583      | 119         | 0.204               |
| 47         | 273     | 14465  | 689005 | <a href="#">Faouzi Aloui</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>                                | <a href="#">Natural Sciences / Chemical Sciences</a><br>Organic synthesis   asymmetric organic synthesis   photochemistry   (Chir)optical properties   Spectroscopy   | 12      | 9           | 0.750               | 20        | 8           | 0.400               | 566      | 286         | 0.505               |
| 45         | 274     | 14466  | 689041 | <a href="#">Mohamed Chaffai</a>                       |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>                                    | <a href="#">Economics &amp; Econometrics / Economics</a><br>Economie   Productivité   Système Manufacturier   Banque  | 12      | 9           | 0.750               | 15        | 8           | 0.533               | 566      | 197         | 0.348               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 10         | 275     | 14518  | 690135 | <a href="#">Sonia Ayachi Ghannouchi</a>               |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Information Engineering</a><br>BPM   Modélisation de BPs   Génie logiciel   Agilité | 12      | 11          | 0.917               | 18        | 13          | 0.722               | 556      | 427         | 0.768               |
| 1          | 276     | 14530  | 690285 | <a href="#">Maher Rahmouni</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université Centrale</a>  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Machine Learning   Natural Language Processing   Optimization                | 12      | 5           | 0.417               | 15        | 0           | 0.000               | 555      | 92          | 0.166               |
| 18         | 277     | 14680  | 693292 | <a href="#">Leila Radhouane</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>agronomie-physiologie végétale  | 12      | 10          | 0.833               | 14        | 11          | 0.786               | 529      | 370         | 0.699               |
| 5          | 278     | 15012  | 700770 | <a href="#">Mansour Znati</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Gafsa</a>  | <a href="#">Natural Sciences / Chemical Sciences</a><br>Medicinal Chemistry   Organic Chemistry   spectroscopy                                  | 12      | 12          | 1.000               | 16        | 16          | 1.000               | 465      | 421         | 0.905               |
| 19         | 279     | 15029  | 701028 | <a href="#">Monia Mnari</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Medical and Health Sciences / Virology</a><br>virologie   épidémiologie moléculaire   diagnostic et identification de pathogènes    | 12      | 10          | 0.833               | 16        | 11          | 0.688               | 463      | 315         | 0.680               |
| 48         | 280     | 15099  | 702495 | <a href="#">Farouk Barguellil</a>                     |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Medical and Health Sciences / Microbiology</a><br>Microbiology infectious diseases  | 12      | 9           | 0.750               | 13        | 9           | 0.692               | 450      | 223         | 0.496               |
| 46         | 281     | 15130  | 703185 | <a href="#">Gorsane Faten</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | <a href="#">Medical and Health Sciences / Medical Genetics</a><br>Génétique   virologie   biotechnologies                                       | 12      | 7           | 0.583               | 15        | 5           | 0.333               | 443      | 303         | 0.684               |
| 49         | 282     | 15202  | 704558 | <a href="#">Chadlia Aguir</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Physics</a><br>Recherche Scientifique  | 12      | 9           | 0.750               | 13        | 9           | 0.692               | 430      | 270         | 0.628               |
| 50         | 283     | 15262  | 705710 | <a href="#">Debbichi Mourad</a>                       |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Physics</a><br>solid state physics -Nanoscience - DFT  | 12      | 9           | 0.750               | 15        | 6           | 0.400               | 418      | 262         | 0.627               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 47         | 284     | 15365  | 707793 | Kamel Guidara   |  Tunisia   | Université de Sfax   | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>matériaux   | 12      | 10          | 0.833               | 12        | 10          | 0.833               | 393      | 195         | 0.496               |
| 17         | 285     | 15463  | 709908 | Nabil Ben Mansour                                     |  Tunisia   | Université de Gabès  | <a href="#">Univ gabes, Laphymne-FSG</a><br>Nanocomposites organiques/inorganiques  | 12      | 11          | 0.917               | 16        | 13          | 0.813               | 354      | 271         | 0.766               |
| 3          | 286     | 15493  | 710461 | Aljane Fateh  |  Tunisia   | Institut des Régions Arides de Médenine                              | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>Fruit tree genetic resources conservation   evaluation and biotechnology  | 12      | 11          | 0.917               | 14        | 12          | 0.857               | 339      | 251         | 0.740               |
| 9          | 287     | 15531  | 711015 | Faouzi Nasri  |  Tunisia   | Centre De Recherches Et Des Technologies De L'énergie                | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Semiconductor devices   MOSFET   FinFET   Tempearture   Thin Films and Interfaces | 12      | 12          | 1.000               | 12        | 12          | 1.000               | 314      | 303         | 0.965               |
| 48         | 288     | 15571  | 712337 | Makki Abdelmouleh                                     |  Tunisia   | Université de Sfax   | <a href="#">Natural Sciences / Chemical Sciences</a><br>matériaux   | 11      | 10          | 0.909               | 12        | 11          | 0.917               | 2376     | 1158        | 0.487               |
| 20         | 289     | 15583  | 713550 | Hamed Daly-Hassen                                     |  Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | <a href="#">Economics &amp; Econometrics / Economics</a><br>Economie forestière   Economie des ressources naturelles  | 11      | 9           | 0.818               | 12        | 8           | 0.667               | 1616     | 1419        | 0.878               |
| 42         | 290     | 15615  | 715845 | Jamel-Eddine Belgaeid                                 |  Tunisia | Université de Carthage   | <a href="#">Engineering &amp; Technology / Earth Sciences</a>   | 11      | 8           | 0.727               | 12        | 8           | 0.667               | 1164     | 490         | 0.421               |
| 11         | 291     | 15623  | 716242 | Lassaad Lakhal  |  Tunisia | Université de Sousse   | <a href="#">Business &amp; Management / Strategic Management</a><br>Strategic management   TQM   Organizational performance   Entrepreneurship   Path analysis              | 11      | 11          | 1.000               | 13        | 13          | 1.000               | 1116     | 748         | 0.670               |

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|            |         |        |        | Name  | Country   | University               | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 43         | 292     | 15693  | 720000 | Kais Ouni   |  Tunisia   | Université de Carthage   | Engineering & Technology / Electrical & Electronic Engineering<br>Signal Processing   Speech Analysis   Electrical Engineering   | 11      | 9           | 0.818               | 17        | 8           | 0.471               | 869      | 614         | 0.707               |
| 15         | 293     | 15727  | 721336 | Fayçal Ben Hmida                                      |  Tunisia   | Université de Tunis      | Engineering & Technology / Electrical & Electronic Engineering<br>Fault Detection and Diagnosis   Fault Tolerant Control   Kalman Filter   Robust Filtering   Sliding Mode Observers | 11      | 10          | 0.909               | 18        | 13          | 0.722               | 818      | 547         | 0.669               |
| 49         | 294     | 15738  | 721886 | Farès Tounsi  |  Tunisia   | Université de Sfax       | Engineering & Technology / Electrical & Electronic Engineering<br>MEMS   Sensors   Acoustics   Accelerometer   Switcher  | 11      | 9           | 0.818               | 11        | 9           | 0.818               | 801      | 716         | 0.894               |
| 44         | 295     | 15767  | 723040 | Mahmoud Sami Nabi                                     |  Tunisia   | Université de Carthage   | Economics & Econometrics / Economics<br>Financial Economics   Economic Development   International Economics   Islamic Economics and Finance   | 11      | 11          | 1.000               | 12        | 11          | 0.917               | 765      | 594         | 0.776               |
| 51         | 296     | 15812  | 724635 | Rachida Dorbez-Sridi                                  |  Tunisia   | Université de Monastir   | Natural Sciences / Physics<br>Microscopie Electronique   Structure liquides confinés dans des verres bioactifs à porosité contrôlée  | 11      | 8           | 0.727               | 12        | 7           | 0.583               | 723      | 244         | 0.337               |
| 10         | 297     | 15821  | 725084 | Jouhaina Gherib                                       |  Tunisia | Université de la Manouba | indologymeaning india knowledge  | 11      | 10          | 0.909               | 13        | 11          | 0.846               | 712      | 473         | 0.664               |
| 11         | 298     | 15823  | 725096 | Jaleledine Ben Rejeb                                  |  Tunisia | Université de la Manouba | Economics & Econometrics / Economics<br>Measurement of inequality and poverty   Preparation of National Accounts   Macroeconomics and Microeconomics Modeling   Energy Anal          | 11      | 10          | 0.909               | 12        | 11          | 0.917               | 712      | 552         | 0.775               |

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|------------|---------|--------|--------|---|---|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University                               | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 45         | 299     | 15873  | 726606 | <a href="#">Ahmed Braham</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Smart Maintenance   Fault Diagnosis   Pattern Recognition   Support Vector Machines   Wavelet Transform                             | 11      | 10          | 0.909               | 13        | 10          | 0.769               | 680      | 504         | 0.741               |
| 52         | 300     | 15935  | 728461 | <a href="#">Liouane Noureddine</a>                    |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Machine learning   | 11      | 9           | 0.818               | 13        | 8           | 0.615               | 646      | 344         | 0.533               |
| 12         | 301     | 15974  | 729772 | <a href="#">Ines Korbi</a>                            |  <a href="#">Tunisia</a>   | <a href="#">Université de la Manouba</a> | <a href="#">Medical and Health Sciences / Dermatology and Venereology</a><br>Resource management   optimization   IoT and 5G   security and privacy   IA  | 11      | 10          | 0.909               | 15        | 12          | 0.800               | 625      | 475         | 0.760               |
| 16         | 302     | 16005  | 730832 | <a href="#">Nabil Ben Fredj</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>      | Premier domaine d'intérêt Usinage   deuxième domaine d'intérêt: MSP   | 11      | 9           | 0.818               | 12        | 9           | 0.750               | 609      | 325         | 0.534               |
| 53         | 303     | 16086  | 733445 | <a href="#">Anouar Bahrouni</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Mathematics</a><br>Mathematics   | 11      | 11          | 1.000               | 11        | 11          | 1.000               | 575      | 565         | 0.983               |
| 50         | 304     | 16102  | 733812 | <a href="#">Houcine Ammar</a>                         |  <a href="#">Tunisia</a>  | <a href="#">Université de Sfax</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>organic synthesis   | 11      | 10          | 0.909               | 15        | 10          | 0.667               | 570      | 394         | 0.691               |
| 6          | 305     | 16222  | 736777 | <a href="#">Nejib Hidouri</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Gafsa</a>      | <a href="#">Professeur en Génie Chimique-Procédés, Université de Gafsa, Université de Gabès</a><br>Thermodynamique Appliquée   Analyse des Procédés   Simulation Numérique   Phénomènes de transfert de chaleur et de matière | 11      | 9           | 0.818               | 13        | 9           | 0.692               | 539      | 330         | 0.612               |
| 54         | 306     | 16237  | 736945 | <a href="#">Hanen Berriri</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Diagnosis   Fault tolerant control   Electrical machine drives   Renewable energy.  | 11      | 10          | 0.909               | 13        | 10          | 0.769               | 537      | 387         | 0.721               |

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|            |         |        |        | Name  | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 55         | 307     | 16301  | 738517 | <a href="#">Aymen Ben Redjeb</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Economics &amp; Econometrics / Accounting &amp; Finance</a><br>Finance   | 11      | 9           | 0.818               | 12        | 9           | 0.750               | 522      | 468         | 0.897               |
| 44         | 308     | 16610  | 746002 | <a href="#">Naceur Etteyeb</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Chemical Sciences</a><br>Electrochimie   Corrosion   chimie de l'état solide  | 11      | 11          | 1.000               | 11        | 11          | 1.000               | 459      | 330         | 0.719               |
| 12         | 309     | 16612  | 746082 | <a href="#">Hajer Fradi</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>         | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Computer Vision   Deep Learning   Machine Learning   Video Surveillance   Crowd Analysis      | 11      | 9           | 0.818               | 13        | 9           | 0.692               | 458      | 302         | 0.659               |
| 56         | 310     | 16707  | 747872 | <a href="#">Ayoub Haj Said</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>Electrochemistry   Conjugated Polymers   Sensors   Nanomaterial  | 11      | 8           | 0.727               | 14        | 7           | 0.500               | 444      | 243         | 0.547               |
| 46         | 311     | 16720  | 748160 | <a href="#">Samir Romdhane</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Physics</a><br>Semiconducteurs organiques   Extinction freinkel   magnétorésistance organique   photoluminescence   franck-condon | 11      | 7           | 0.636               | 15        | 3           | 0.200               | 442      | 194         | 0.439               |
| 3          | 312     | 16755  | 748966 | <a href="#">Ghayth Rigane</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>       | <a href="#">Laboratory of Organic Chemistry LR17ES08, Faculty of Sciences of Sfax, University of Sfax</a><br>Chimie  | 11      | 11          | 1.000               | 12        | 12          | 1.000               | 436      | 346         | 0.794               |
| 57         | 313     | 16761  | 749151 | <a href="#">Mohsen Maraoui</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Computer Science</a>  | 11      | 10          | 0.909               | 16        | 11          | 0.688               | 434      | 310         | 0.714               |
| 45         | 314     | 16843  | 750730 | <a href="#">Miled El Hajji</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Mathematics</a><br>Applied mathematics  | 11      | 11          | 1.000               | 14        | 14          | 1.000               | 421      | 323         | 0.767               |
| 46         | 315     | 16942  | 752423 | <a href="#">Dhaou Soudani</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Engineering</a><br>Automatique   Systèmes à retard   Commande par Modèle Interne   Systèmes Multi échelles de temps   | 11      | 8           | 0.727               | 14        | 5           | 0.357               | 408      | 191         | 0.468               |
| 47         | 316     | 17039  | 754518 | <a href="#">Habib Maagli</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Mathematics</a><br>Partial Differential equations   | 11      | 7           | 0.636               | 17        | 3           | 0.176               | 391      | 154         | 0.394               |

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|------------|---------|--------|--------|---|---|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University                                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 51         | 317     | 17069  | 755191 | <a href="#">Nader Frikha</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Chemical Engineering</a><br>Dessalination   Génie de la réaction chimique  | 11      | 10          | 0.909               | 12        | 11          | 0.917               | 386      | 294         | 0.762               |
| 58         | 318     | 17229  | 758276 | <a href="#">Zied Chine</a>                            |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Physics</a><br>semiconductor nanostructures  | 11      | 8           | 0.727               | 11        | 7           | 0.636               | 360      | 170         | 0.472               |
| 47         | 319     | 17333  | 760338 | <a href="#">Hamdi Mustapha</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Artificial Intelligence   BioNano robots   | 11      | 6           | 0.545               | 12        | 4           | 0.333               | 340      | 107         | 0.315               |
| 59         | 320     | 17620  | 766060 | <a href="#">Hassen Aydi</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Mathematics</a><br>Operatot Theory   Functional Analysis   Fixed Point Theory   Nonlinear Analysis   PDE                         | 10      | 10          | 1.000               | 10        | 10          | 1.000               | 1930     | 865         | 0.448               |
| 17         | 321     | 17645  | 767774 | <a href="#">Nizar Ben Salah</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>          | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Fluid Mechanics   Heat Transfer   Magnetohydrodynamics   Numerical Methods             | 10      | 8           | 0.800               | 10        | 7           | 0.700               | 1274     | 656         | 0.515               |
| 6          | 322     | 17706  | 771204 | <a href="#">Jouini Mouna</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>       | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Security   security risk assement   security metrics   Cloud Computing   Distributed systems | 10      | 10          | 1.000               | 11        | 11          | 1.000               | 895      | 683         | 0.763               |
| 48         | 323     | 17882  | 777969 | <a href="#">Imen Oueslati</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Agriculture &amp; Forestry / Agricultural Biotechnology</a><br>Olive Oil   Lipids   Biochemistrie   Biotechnology                                   | 10      | 9           | 0.900               | 11        | 9           | 0.818               | 641      | 294         | 0.459               |
| 13         | 324     | 17989  | 781459 | <a href="#">Sana Harbi</a>                            |  <a href="#">Tunisia</a> | <a href="#">Université de Sousse</a>         | <a href="#">Economics &amp; Econometrics / Economics</a><br>business   entrepreneurship   economics   piracy   property rights                                  | 10      | 9           | 0.900               | 11        | 8           | 0.727               | 573      | 304         | 0.531               |
| 48         | 325     | 18198  | 787748 | <a href="#">Kamel Karoui</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>       | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Informatique   Réseaux   Ingénierie des protocoles   cyber-sécurité                          | 10      | 7           | 0.700               | 11        | 4           | 0.364               | 491      | 184         | 0.375               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 4          | 326     | 18278  | 789884 | <a href="#">Imed Salhi</a>                            |  <a href="#">Tunisia</a>   | <a href="#">Institut des Régions Arides de Médenine</a>                              | <a href="#">Medical and Health Sciences / Immunology</a><br>Immunology   antibody engineering   heavy chain antibodies   cancer immunotherapy       | 10      | 10          | 1.000               | 10        | 10          | 1.000               | 469      | 283         | 0.603               |
| 49         | 327     | 18331  | 791520 | <a href="#">Driss Ben Abdallah</a>                    |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">technology</a><br>Collision Moléculaire dans le MIS   | 10      | 9           | 0.900               | 10        | 8           | 0.800               | 454      | 227         | 0.500               |
| 14         | 328     | 18387  | 792815 | <a href="#">Tarek Hassine</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Comportement mécanique   Modélisation mécanique                            | 10      | 10          | 1.000               | 11        | 11          | 1.000               | 442      | 283         | 0.640               |
| 21         | 329     | 18473  | 795383 | <a href="#">Samir Dhahri</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Chercheur en entomologie forestière, INRGREF, Université de Carthage; Tunisie</a><br>Entomologie Forestière                             | 10      | 9           | 0.900               | 10        | 8           | 0.800               | 421      | 330         | 0.784               |
| 22         | 330     | 18641  | 799660 | <a href="#">Fethi Bouksila</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Soil Sciences and Plant Nutrition</a><br>Soil Science-Water and salinity management-Smart irrigation       | 10      | 8           | 0.800               | 10        | 7           | 0.700               | 388      | 276         | 0.711               |
| 50         | 331     | 18708  | 801299 | <a href="#">Néjib Ben Salem</a>                       |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Mathematics</a><br>Harmonic Analysis   Fourier Analysis   Integral Transforms   Special Functions                    | 10      | 9           | 0.900               | 10        | 9           | 0.900               | 376      | 219         | 0.582               |
| 52         | 332     | 18756  | 802430 | <a href="#">Bilel Gargouri</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Standardization of Lexical resources   Arabic Language   Linguistic Web services | 10      | 7           | 0.700               | 10        | 5           | 0.500               | 368      | 183         | 0.497               |
| 18         | 333     | 18902  | 806206 | <a href="#">Wissem Gallala</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>géomatériaux & archéomatériaux   | 10      | 8           | 0.800               | 10        | 8           | 0.800               | 342      | 259         | 0.757               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 7          | 334     | 18911  | 806427 | <a href="#">Boussaada Rim</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>   | <a href="#">Assistante en Finance, FSJEG-Jendouba, Université de Jendouba</a>  | 10      | 10          | 1.000               | 10        | 10          | 1.000               | 340      | 335         | 0.985               |
| 49         | 335     | 18936  | 806977 | <a href="#">Ben Othman Slim</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">technologies mÃ©dicalesLaboratoire des systÃmes avancÃ©sUniversitÃ© de Jendouba</a>                                   | 10      | 9           | 0.900               | 12        | 5           | 0.417               | 336      | 199         | 0.592               |
| 23         | 336     | 19055  | 809599 | <a href="#">Monia Jemni</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Food industry                                       | 10      | 10          | 1.000               | 10        | 10          | 1.000               | 318      | 283         | 0.890               |
| 60         | 337     | 19218  | 812799 | <a href="#">Tarek Sadraoui</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>   | <a href="#">Economics &amp; Econometrics / Economics</a><br>Econometrics   Dynamic panel data   Statistical Control Process        | 10      | 7           | 0.700               | 10        | 6           | 0.600               | 293      | 220         | 0.751               |
| 24         | 338     | 19229  | 812914 | <a href="#">Mohsen Mansour</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">CRRHAB</a><br>Bioclimatologie   sciences horticoles   Besoins en eau des cultures   irrigation   changement climatique | 10      | 8           | 0.800               | 10        | 7           | 0.700               | 292      | 166         | 0.568               |
| 19         | 339     | 19283  | 813696 | <a href="#">Jamel Benameur</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>  | <a href="#">Professeur de Mathématiques</a><br>E.D.P   Analyse fonctionnelle   Analyse de Fourier                                  | 10      | 8           | 0.800               | 11        | 7           | 0.636               | 284      | 187         | 0.658               |
| 4          | 340     | 19754  | 822917 | <a href="#">Tarek Selmi</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Kairouan</a>   | <a href="#">Ph.D</a><br>Renewable energies   Power Electronics   Electric vehicles   Smart Grid   Energy Efficiency                | 9       | 8           | 0.889               | 8         | 8           | 1.000               | 938      | 533         | 0.568               |
| 50         | 341     | 19944  | 830870 | <a href="#">Moncef Jraidi</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Engineering</a><br>Sciences et Technologie   Engineering                                | 9       | 7           | 0.778               | 9         | 7           | 0.778               | 576      | 235         | 0.408               |

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|------------|---------|--------|--------|---|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 20         | 342     | 20058  | 835184 | <a href="#">Mounir Ltifi</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Civil Engineering</a><br>Génie civil - Comportement des géomatériaux  | 9       | 9           | 1.000               | 9         | 9           | 1.000               | 494      | 359         | 0.727               |
| 25         | 343     | 20178  | 838403 | <a href="#">Foued Aloui</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Forestry</a><br>wood   forestry   biochemistry  | 9       | 8           | 0.889               | 9         | 7           | 0.778               | 450      | 248         | 0.551               |
| 18         | 344     | 20197  | 838981 | <a href="#">Mohamed Louadi</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Business &amp; Management / Strategic Management</a><br>management information systems   information technology   innovation   knowledge management   systems developent | 9       | 6           | 0.667               | 8         | 2           | 0.250               | 443      | 112         | 0.253               |
| 3          | 345     | 20226  | 839519 | <a href="#">L Costelle</a>                            |  <a href="#">Tunisia</a>   | <a href="#">Mediterranean Institute of Technology</a>                                | <a href="#">Natural Sciences / Physics</a><br>Physics   Renewable Energies   Natural Resources   Sustainability  | 9       | 7           | 0.778               | 9         | 7           | 0.778               | 436      | 214         | 0.491               |
| 51         | 346     | 20281  | 841097 | <a href="#">Lotfi Charabi</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Information Management</a>   | 9       | 6           | 0.667               | 9         | 3           | 0.333               | 418      | 144         | 0.344               |
| 13         | 347     | 20314  | 842221 | <a href="#">Nadia Ben Azzouna</a>                     |  <a href="#">Tunisia</a>  | <a href="#">Université de la Manouba</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Computer Science  | 9       | 7           | 0.778               | 8         | 4           | 0.500               | 407      | 134         | 0.329               |
| 51         | 348     | 20386  | 844125 | <a href="#">N.Dahabi-Megriche</a>                     |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Isolateur pollué   haute tension   modélisation   courant de fuite   monitoring            | 9       | 7           | 0.778               | 8         | 6           | 0.750               | 388      | 177         | 0.456               |
| 52         | 349     | 20387  | 844174 | <a href="#">Sediki Ezeddine</a>                       |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Physics</a><br>Physique   | 9       | 8           | 0.889               | 9         | 8           | 0.889               | 387      | 252         | 0.651               |
| 7          | 350     | 20437  | 845626 | <a href="#">Mabrouki Mohamed</a>                      |  <a href="#">Tunisia</a> | <a href="#">Université de Gafsa</a>  | <a href="#">Economics &amp; Econometrics / Economics</a><br>Economie Industrielle   Croissance   Propriété intellectuelle   Brevet d'invention   Digitalisation                      | 9       | 9           | 1.000               | 8         | 8           | 1.000               | 374      | 370         | 0.989               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 19         | 351     | 20467  | 846509 | <a href="#">Mohamed Tliha</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Natural Sciences / Physics materials science  </a>  | 9       | 7           | 0.778               | 9         | 5           | 0.556               | 366      | 167         | 0.456               |
| 53         | 352     | 20575  | 848924 | <a href="#">Sonia Hammami</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Engineering &amp; Technology / Engineering</a><br>Aggregation Techniques   Arrow Form Matrix   Chaotic Systems Synchronization   Secure Communication   Data Encryption and Decryption  | 9       | 5           | 0.556               | 9         | 3           | 0.333               | 346      | 111         | 0.321               |
| 52         | 353     | 20711  | 851882 | <a href="#">Amina Omrane</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Business &amp; Management / Entrepreneurship</a><br>Entrepreneurship   Social networks and perspective   Human development   Digitalization and innovation   Territorial and regional d | 9       | 9           | 1.000               | 9         | 9           | 1.000               | 324      | 281         | 0.867               |
| 26         | 354     | 20721  | 852036 | <a href="#">Sami Mili</a>                             |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Institut Supérieur de Pêche et d'Aquaculture de Bizerte (Tunisie)</a><br>Pêche et Aquaculture   | 9       | 8           | 0.889               | 9         | 5           | 0.556               | 323      | 247         | 0.765               |
| 21         | 355     | 20802  | 853844 | <a href="#">Moez Khenissi</a>                         |  <a href="#">Tunisia</a>  | <a href="#">Université de Gabès</a>  | <a href="#">Professeur à l' ESSTHS, Université de Sousse</a><br>EDP   Analyse microlocale   Pb de Contrôle et de Stabilisation   Numeriques   | 9       | 7           | 0.778               | 9         | 7           | 0.778               | 311      | 136         | 0.437               |
| 5          | 356     | 20866  | 855144 | <a href="#">Amel Shoui</a>                            |  <a href="#">Tunisia</a> | <a href="#">Institut des Régions Arides de Médenine</a>                              | <a href="#">Institut des Régions Arides de Médenine, Tunisie</a><br>Camel milk composition and properties   | 9       | 8           | 0.889               | 7         | 6           | 0.857               | 303      | 226         | 0.746               |
| 27         | 357     | 20922  | 856240 | <a href="#">Kadri Karim</a>                           |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Centre Régional de Recherche en Agriculture Oasienne (CRRAO)</a><br>Biotechnologie - Agriculture  | 9       | 7           | 0.778               | 9         | 3           | 0.333               | 295      | 217         | 0.736               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 28         | 358     | 21058  | 858413 | Khaled El Moudeddeb                                   |  Tunisia   | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Engineering & Technology / Mechanical Engineering<br>Mechanical Engineering   Agricultural Mechanization   Environmental Control of Ag. Structures | 9       | 6           | 0.667               | 9         | 4           | 0.444               | 279      | 192         | 0.688               |
| 8          | 359     | 21152  | 859824 | Slaheddine Khelifi                                    |  Tunisia   | Université de Jendouba   | GRDES, Ecole Supérieure d'Ingénieurs de Medjez el Bab, Université de Jendouba<br>Hydrologie   érosion   gestion de l'eau   pratiques antiérosives  | 9       | 7           | 0.778               | 9         | 4           | 0.444               | 269      | 133         | 0.494               |
| 5          | 360     | 21205  | 860605 | Atef Khedher  |  Tunisia   | Université de Kairouan   | Maître Assistant en génie électrique, Université Tunis Elmanar<br>Diagnostic   estimation d'état   réseaux de Petri                                | 9       | 7           | 0.778               | 8         | 2           | 0.250               | 264      | 119         | 0.451               |
| 29         | 361     | 21429  | 863933 | Masmoudi Charfi Chiraz                                |  Tunisia   | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Researcher, Olive Tree Institute<br>Olive cultivation  | 9       | 5           | 0.556               | 9         | 3           | 0.333               | 240      | 103         | 0.429               |
| 6          | 362     | 21804  | 867843 | Melek Hajji   |  Tunisia | Université de Kairouan   | Research Chemist, PhD, University of Kairouan<br>Inorganic Chemistry   Structural and Computational Chemistry                                      | 9       | 9           | 1.000               | 9         | 8           | 0.889               | 208      | 201         | 0.966               |
| 10         | 363     | 21968  | 869344 | Rabia Benabderrahmane Zaghouani                       |  Tunisia | Centre De Recherches Et Des Technologies De L'énergie                | Engineering & Technology / Electrical & Electronic Engineering<br>électronique   physique des matériaux  | 9       | 8           | 0.889               | 7         | 6           | 0.857               | 192      | 165         | 0.859               |
| 9          | 364     | 22237  | 876261 | Ramzi Guesmi  |  Tunisia | Université de Jendouba   | Engineering & Technology / Computer Science<br>Security   Cryptography   Chaos   Machine Learning   Deep Learning                                  | 8       | 8           | 1.000               | 8         | 8           | 1.000               | 732      | 712         | 0.973               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |        |   |   |  |   |         |             |                     |           |             |                     |          |             |                     |
| 54         | 365     | 22367  | 881674 | <a href="#">Jevel Ezzine</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Social Sciences / Psychology</a><br>systems theory   complexity theory   2nd order cybernetics   Cognitive psychology   ST&I Policy | 8       | 2           | 0.250               | 8         | 2           | 0.250               | 516      | 45          | 0.087               |
| 20         | 366     | 22423  | 883459 | <a href="#">Olfa Bouhlel</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Business &amp; Management / Marketing</a><br>Bank marketing   E-Marketing   Logistics   Mobile marketing   Consumer Behavior        | 8       | 6           | 0.750               | 7         | 6           | 0.857               | 477      | 258         | 0.541               |
| 53         | 367     | 22742  | 891538 | <a href="#">Fahmi Kammoun</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Natural Sciences / Physics</a><br>Traitement d'image   Traitement vidéo   | 8       | 6           | 0.750               | 8         | 3           | 0.375               | 352      | 132         | 0.375               |
| 30         | 368     | 22822  | 893732 | <a href="#">Mohamed Braham</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Natural Sciences / Biological Science</a><br>Entomology   | 8       | 6           | 0.750               | 6         | 4           | 0.667               | 330      | 193         | 0.585               |
| 54         | 369     | 23091  | 899615 | <a href="#">Jarraya Abdessalem</a>                    |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Engineering</a><br>Engineering   | 8       | 6           | 0.750               | 7         | 5           | 0.714               | 278      | 216         | 0.777               |
| 8          | 370     | 23308  | 902979 | <a href="#">Nejib Jemmalii</a>                        |  <a href="#">Tunisia</a>  | <a href="#">Université de Gafsa</a>  | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Géologie   isotopes   métallogénie   minéralogie                               | 8       | 8           | 1.000               | 8         | 7           | 0.875               | 253      | 161         | 0.636               |
| 1          | 371     | 23534  | 905815 | <a href="#">Rim Gouia Zarrad</a>                      |  <a href="#">Tunisia</a> | <a href="#">Mediterranean Institute Of Technology</a>                                | <a href="#">Natural Sciences / Mathematics</a><br>Integral Geometry   Medical Imaging   Radon transforms  | 8       | 7           | 0.875               | 7         | 6           | 0.857               | 236      | 159         | 0.674               |
| 2          | 372     | 23585  | 906425 | <a href="#">Mohamed Amin Ben Sassi</a>                |  <a href="#">Tunisia</a> | <a href="#">Mediterranean Institute Of Technology</a>                                | <a href="#">Mediterranean Institute of Technology</a><br>Control theory   Hybrid systems   Optimization   Formal methods                        | 8       | 7           | 0.875               | 6         | 5           | 0.833               | 233      | 148         | 0.635               |
| 10         | 373     | 23871  | 909692 | <a href="#">Nadir Hammami</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Jendouba</a>   | <a href="#">PhD, Assistant Professor, HISPE of Kef, University of Jendouba, Tunisia</a><br>Biomechanics   Human Movement Sciences   Isokinetics | 8       | 7           | 0.875               | 6         | 6           | 1.000               | 215      | 144         | 0.670               |

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|            |         |        |        | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 374     | 23982  | 910930 | <a href="#">Abderrahmen Guermazi</a>                  |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET Sfax</a>               | <a href="#">Professeur Technologue, ISET Sfax</a><br>WSN   IoT   Network Security   Routing   Blockchain   | 8       | 8           | 1.000               | 7         | 6           | 0.857               | 208      | 199         | 0.957               |
| 7          | 375     | 24937  | 919550 | <a href="#">Hanene Sahli</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>   | <a href="#">Associate Professor in Image and Signal Processing, Labo SIME, ENSIT, University of Tunis</a><br>Signal processing-Image processing-computer science | 8       | 8           | 1.000               | 5         | 5           | 1.000               | 157      | 156         | 0.994               |
| 55         | 376     | 25305  | 924772 | <a href="#">Abdelaziz Abdellatif</a>                  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Data warehouses   BI   Information systems   Data bases                                       | 7       | 4           | 0.571               | 6         | 1           | 0.167               | 819      | 41          | 0.050               |
| 31         | 377     | 25378  | 927846 | <a href="#">Safouane Mouelhi</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Hydrology   Water Harvesting   Integrated Water Management   Modelling                          | 7       | 6           | 0.857               | 5         | 5           | 1.000               | 574      | 335         | 0.584               |
| 22         | 378     | 25416  | 929326 | <a href="#">Samia Ben-Ali</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Industrial &amp; Manufacturing Engineering</a>  | 7       | 6           | 0.857               | 6         | 4           | 0.667               | 511      | 393         | 0.769               |
| 21         | 379     | 25494  | 932071 | <a href="#">Lamia Jaafar Belaid</a>                   |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Image processing   inverse problems   partial differential equations   harmonic analysis      | 7       | 5           | 0.714               | 6         | 2           | 0.333               | 428      | 149         | 0.348               |
| 61         | 380     | 25530  | 933165 | <a href="#">Wissal Stambouli</a>                      |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Physics</a><br>Optic   Spectroscopic of rare earth's in glasses and ceramics  | 7       | 7           | 1.000               | 7         | 7           | 1.000               | 402      | 295         | 0.734               |
| 23         | 381     | 25600  | 935193 | <a href="#">Salah Mahmoudi</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Earth Sciences Géomatéraux  </a>  | 7       | 7           | 1.000               | 7         | 7           | 1.000               | 363      | 292         | 0.804               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |        |   |   |  |   |         |             |                     |           |             |                     |          |             |                     |
| 32         | 382     | 26486  | 949814 | <a href="#">Haifa Feki</a>                            |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Engineering &amp; Technology / Meteorology &amp; Atmospheric Sciences</a><br>hydrology   hydro-meteorology   water resources   geostatistics    | 7       | 6           | 0.857               | 6         | 5           | 0.833               | 206      | 129         | 0.626               |
| 24         | 383     | 26612  | 951280 | <a href="#">Tiss Faysal</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">maitre assistant énergétique  </a>  | 7       | 7           | 1.000               | 6         | 6           | 1.000               | 198      | 148         | 0.747               |
| 33         | 384     | 26649  | 951705 | <a href="#">Sabri Kanzari</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Chercheur, INRGREF Tunis, Université de Carthage</a>  | 7       | 6           | 0.857               | 6         | 4           | 0.667               | 196      | 151         | 0.770               |
| 25         | 385     | 26902  | 954552 | <a href="#">Mohsen Henchiri</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Geomaterials   | 7       | 6           | 0.857               | 5         | 5           | 1.000               | 183      | 106         | 0.579               |
| 2          | 386     | 27287  | 958084 | <a href="#">Mohamed Mabrouk</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET'COM</a>                | <a href="#">Maître de Conférences en Télécommunications à l'ISET'COM de Tunis</a><br>RF-uWaves-mmWaves   Passive Devices   Antennas   RFID-IoT   5G         | 7       | 5           | 0.714               | 2         | 1           | 0.500               | 167      | 99          | 0.593               |
| 34         | 387     | 27413  | 959155 | <a href="#">Imed Ben Aissa</a>                        |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Horticulture</a><br>Agricultural water use   Crop Water Requirements   Plant-water relation   Crops abiotic stress | 7       | 7           | 1.000               | 5         | 3           | 0.600               | 162      | 113         | 0.698               |
| 2          | 388     | 27952  | 963402 | <a href="#">Anouar Abidi</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université Centrale</a>  | <a href="#">Medical and Health Sciences / Physiology</a><br>Physiology   Respiratory   Bioactive substances   | 7       | 7           | 1.000               | 7         | 6           | 0.857               | 143      | 139         | 0.972               |

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|            |         |        |        | Name  | Country | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 35         | 389     | 28419  | 966957 | Habib Ben Hassine                                     | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Professeur de Science du sol, Université de Carthage, Ecole supérieure d'agriculture de ...<br>Typologie des sols   analyses physico-chimiques des sols   fertilité des sols | 7       | 6           | 0.857               | 4         | 2           | 0.500               | 127      | 85          | 0.669               |
| 11         | 390     | 28434  | 967065 | Aymen Ezzine  | Tunisia | Université de Jendouba   | Laboratoire d'ingénierie des protéines et molécules bioactives<br>Biologie Moléculaire   Biochimie   Bioinformatique   Ingénierie des Protéines                              | 7       | 6           | 0.857               | 5         | 2           | 0.400               | 126      | 91          | 0.722               |
| 11         | 391     | 28935  | 970339 | Adel Chihi  | Tunisia | Centre De Recherches Et Des Technologies De L'énergie                | CRTEn photovoltaïque   | 7       | 7           | 1.000               | 4         | 3           | 0.750               | 96       | 86          | 0.896               |
| 15         | 392     | 29069  | 973900 | Ali Lahouar   | Tunisia | Université de Sousse   | Engineering & Technology / Engineering<br>Smart grid   Renewable energy  | 6       | 6           | 1.000               | 6         | 6           | 1.000               | 648      | 624         | 0.963               |
| 62         | 393     | 29170  | 977290 | Machhout  | Tunisia | Université de Monastir   | Engineering & Technology / Electrical & Electronic Engineering<br>électronique   | 6       | 5           | 0.833               | 6         | 1           | 0.167               | 437      | 166         | 0.380               |
| 36         | 394     | 29521  | 985439 | Issam Touhami   | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Forestry<br>Forest Ecology   Forest resources conservation   Restoration Ecology   Environmental sciences   Forest adaptation to climate change     | 6       | 6           | 1.000               | 5         | 5           | 1.000               | 241      | 198         | 0.822               |
| 37         | 395     | 29622  | 986766 | Ibrahim El-Akram Znaïdi                               | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | High Agronomic Institute of Chott Mariem Tunisia<br>Organic Agriculture   Organic livestock production   composting   Sustainable Agriculture                                | 6       | 6           | 1.000               | 6         | 4           | 0.667               | 224      | 117         | 0.522               |

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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 12         | 396     | 29647  | 987032 | <a href="#">Kawther Ben Mabrouk</a>                   |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a>                | <a href="#">Water Researches and Technologies Centre (CERTE)TUNIS</a><br>Molecular physics   Raman and IR spectroscopy   water pollution                                      | 6       | 4           | 0.667               | 4         | 3           | 0.750               | 222      | 174         | 0.784               |
| 38         | 397     | 29951  | 990746 | <a href="#">Azza Chelli</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Researcher</a><br>Agronomy   plant physiology   genetic resources   pistachio   | 6       | 5           | 0.833               | 4         | 3           | 0.750               | 190      | 140         | 0.737               |
| 26         | 398     | 30147  | 992512 | <a href="#">Habib Smida</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Geomatics & water resources  | 6       | 6           | 1.000               | 4         | 4           | 1.000               | 178      | 104         | 0.584               |
| 39         | 399     | 30358  | 994336 | <a href="#">Mounira Harbi Ben Slimane</a>             |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Professeur de l'Enseignement Supérieur Agricole, INRAT, Université de Carthage</a><br>Ressources génétiques de la vigne   | 6       | 5           | 0.833               | 2         | 1           | 0.500               | 167      | 88          | 0.527               |
| 40         | 400     | 30499  | 995586 | <a href="#">Omar Maamouri</a>                         |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Maître Assistant en Nutrition animale à L'Institut National De la Recherche Agronomique de ...</a><br>Sciences Animales   nutrition   alimentation   bovin   ovin | 6       | 5           | 0.833               | 4         | 3           | 0.750               | 160      | 112         | 0.700               |
| 27         | 401     | 30666  | 997127 | <a href="#">Nasreddine Hajlaoui</a>                   |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Wireless networks   Networking   Cloud computing   Cyber Security  | 6       | 6           | 1.000               | 6         | 4           | 0.667               | 152      | 89          | 0.586               |
| 12         | 402     | 30831  | 998460 | <a href="#">Fatma Trabelsi Bouchendira</a>            |  <a href="#">Tunisia</a> | <a href="#">Université de Jendouba</a>   | <a href="#">Higher School of Engineering of Medjez El Bab (University of Jendouba)</a><br>Hydrogeology   GIS   RS   | 6       | 6           | 1.000               | 5         | 5           | 1.000               | 146      | 124         | 0.849               |

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|            |         |        |         | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 3          | 403     | 30837  | 998511  | Nadhir Ben Halima                                     |  Tunisia   | Mediterranean Institute Of Technology, Tunisia                       | Associate Professor of ICT, Mediterranean Institute of Technology, Tunisia<br>Wireless Communications   Cyber Security   Cognitive Radio Networks                         | 6       | 5           | 0.833               | 5         | 4           | 0.800               | 146      | 127         | 0.870               |
| 3          | 404     | 31247  | 1001608 | Amin Zribi  |  Tunisia   | Institut Supérieur des Etudes Technologiques ISET'COM                | Higher Institute of Communication Technology<br>source coding   channel coding   image and video compression   joint source channel coding   wireless communications      | 6       | 6           | 1.000               | 3         | 2           | 0.667               | 134      | 98          | 0.731               |
| 41         | 405     | 31914  | 1006417 | Lassaad Albouchi                                      |  Tunisia   | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Enseignant Chercheur, Université de Carthage-Tunisie<br>Modélisation économique   politiques agricoles   gestion des exploitations agricoles et des ressources naturelles | 6       | 5           | 0.833               | 4         | 1           | 0.250               | 117      | 57          | 0.487               |
| 8          | 406     | 32164  | 1008061 | Sarah Belkhamsa                                       |  Tunisia   | Université de Kairouan   | Assistant Professor<br>Design   design research   design communication   Semiotic   SIC.  | 6       | 4           | 0.667               | 6         | 0           | 0.000               | 111      | 32          | 0.288               |
| 6          | 407     | 32245  | 1008599 | Bouajila Essifi                                       |  Tunisia   | Institut des Régions Arides de Médenine                              | Engineering & Technology / Earth Sciences<br>Geospatial applications   Environmental Remote Sensing   Natural Resources Management  | 6       | 5           | 0.833               | 2         | 2           | 1.000               | 110      | 101         | 0.918               |
| 42         | 408     | 32393  | 1009643 | Khaldi Z  |  Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Dr animal genetcis and production   | 6       | 4           | 0.667               | 4         | 1           | 0.250               | 106      | 56          | 0.528               |
| 13         | 409     | 32989  | 1013513 | Guelmami Noomen                                       |  Tunisia | Université de Jendouba   | Social Sciences / Social Sciences<br>Social sciences  | 6       | 5           | 0.833               | 3         | 2           | 0.667               | 92       | 82          | 0.891               |

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|            |         |        |         | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |         |   |   |  |  |         |             |                     |           |             |                     |          |             |                     |
| 13         | 410     | 33040  | 1013782 | <a href="#">Ines Dhifallah</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a>                | <a href="#">Natural Sciences / Physics</a><br>solid state physics quantum physics self-consistent Poisson-Schrödinger III-V semiconductors nano  | 6       | 3           | 0.500               | 3         | 1           | 0.333               | 91       | 38          | 0.418               |
| 43         | 411     | 33359  | 1015164 | <a href="#">Aziza Mohamed-Brahmi</a>                  |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Maître-Assistant, Sciences de la production animale, Université de Jendouba, ESA-Kef</a><br>Farming systems small ruminant production systems and sustainability dairy production systems systemic analysis                            | 6       | 5           | 0.833               | 3         | 1           | 0.333               | 85       | 59          | 0.694               |
| 4          | 412     | 33397  | 1015403 | <a href="#">Noura Baccar</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Mediterranean Institute Of Technology</a>                                | <a href="#">Assistant professor, Medtech university</a><br>Communication systems   fuzzy logic   digital electronics   embedded systems   IoT  | 6       | 5           | 0.833               | 2         | 2           | 1.000               | 84       | 69          | 0.821               |
| 14         | 413     | 34422  | 1029877 | <a href="#">Khemiri Karim</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>   | <a href="#">Maître Assistant en génie électrique</a><br>filtre de kalman   diagnostic   estimation non biaisée   | 5       | 4           | 0.800               | 3         | 3           | 1.000               | 192      | 101         | 0.526               |
| 5          | 414     | 34839  | 1033627 | <a href="#">Saida Sari</a>                            |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>   | <a href="#">Docteur</a>  | 5       | 5           | 1.000               | 5         | 5           | 1.000               | 153      | 118         | 0.771               |
| 44         | 415     | 34845  | 1033692 | <a href="#">Samir Yacoubi</a>                         |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Associate Professor, National Research Institute for Rural Engineering, Water and Forestry ...</a><br>Irrigation engineerin   Water ressources management   Crop modeling   Irrigation performance evaluation   irrigation simulations | 5       | 4           | 0.800               | 4         | 3           | 0.750               | 153      | 85          | 0.556               |
| 9          | 416     | 34848  | 1033703 | <a href="#">Imen Hentati</a>                          |  <a href="#">Tunisia</a> | <a href="#">Université de Gafsa</a>  | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>géomatique  | 5       | 5           | 1.000               | 3         | 3           | 1.000               | 153      | 134         | 0.876               |

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|            |         |        |         | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |         |   |   |  |   |         |             |                     |           |             |                     |          |             |                     |
| 45         | 417     | 34927  | 1034396 | <a href="#">Fraj Chemak</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Economics &amp; Econometrics / Economics</a><br>Economie Agricole   | 5       | 5           | 1.000               | 3         | 2           | 0.667               | 148      | 83          | 0.561               |
| 46         | 418     | 35406  | 1038076 | <a href="#">Mosbah Manel</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Associate professor</a><br>Hydrological modeling   Surface hydrology   SWAT Model   Soil erosion   Management practices | 5       | 5           | 1.000               | 4         | 3           | 0.750               | 126      | 95          | 0.754               |
| 47         | 419     | 36122  | 1043489 | <a href="#">Ben Maachia Sihem</a>                     |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">maitre assitante CRRAO dégache</a><br>Agronomie oasisienne   phoeniciculture   biodiversité oasisenne                   | 5       | 5           | 1.000               | 4         | 4           | 1.000               | 104      | 81          | 0.779               |
| 6          | 420     | 36160  | 1043687 | <a href="#">Hichem Bargaoui</a>                       |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>   | <a href="#">ESPRIT</a>  | 5       | 5           | 1.000               | 2         | 2           | 1.000               | 104      | 93          | 0.894               |
| 9          | 421     | 36336  | 1044745 | <a href="#">Issam Ben Salah</a>                       |  <a href="#">Tunisia</a>  | <a href="#">Université de Kairouan</a>   | <a href="#">PhD, Assistant Professor</a><br>Acoustic waves   Piezoelectric structures   FGPM materials                              | 5       | 5           | 1.000               | 3         | 3           | 1.000               | 100      | 63          | 0.630               |
| 7          | 422     | 37045  | 1049089 | <a href="#">Saifeddine Eturki</a>                     |  <a href="#">Tunisia</a> | <a href="#">Institut des Régions Arides de Médenine</a>                              | <a href="#">Maître Assistant de l'Enseignement supérieur, Institut des Régions Arides</a><br>Géo-environnement                      | 5       | 5           | 1.000               | 4         | 3           | 0.750               | 87       | 64          | 0.736               |
| 7          | 423     | 37160  | 1049852 | <a href="#">Dorra Lounissi</a>                        |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>   | <a href="#">Ecole Nationale des Sciences et Technologies de Borj Cedria</a><br>Assistant professor   Energetic engineering          | 5       | 4           | 0.800               | 1         | 1           | 1.000               | 86       | 73          | 0.849               |
| 10         | 424     | 37231  | 1050287 | <a href="#">Zaidi Abdelaziz</a>                       |  <a href="#">Tunisia</a> | <a href="#">Université de Kairouan</a>   | <a href="#">Institut Supérieur des Sciences Appliquées et Technologie</a>   | 5       | 3           | 0.600               | 1         | 1           | 1.000               | 85       | 53          | 0.624               |

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|------------|---------|--------|---------|---|---|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 15         | 425     | 37517  | 1052038 | <a href="#">Hajri Azhar</a>                           |  <a href="#">Tunisia</a>   | Université de Jendouba   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Heterocyclic chemistry   GC-MS   LC-MS  | 5       | 4           | 0.800               | 1         | 1           | 1.000               | 81       | 75          | 0.926               |
| 4          | 426     | 37695  | 1052979 | <a href="#">Rihab Chatta</a>                          |  <a href="#">Tunisia</a>   | Institut Supérieur des Etudes Technologiques ISET'COM                | <a href="#">Enseignant Chercheur, Iset'Com</a><br>Optique Quantique   | 5       | 2           | 0.400               | 0         | 0           | 0                   | 79       | 17          | 0.215               |
| 10         | 427     | 37713  | 1053048 | <a href="#">Tharwa Najar</a>                          |  <a href="#">Tunisia</a>   | Université de Gafsa  | <a href="#">Business &amp; Management / Decision Science and Operations Management</a><br>Management of Information systems   supply chain   open innovation   knowledge Management           | 5       | 5           | 1.000               | 3         | 3           | 1.000               | 78       | 76          | 0.974               |
| 48         | 428     | 37895  | 1054248 | <a href="#">Walid Ben Khelifa</a>                     |  <a href="#">Tunisia</a>   | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | <a href="#">Institut de recherches en Génie Rural, Eaux et Forêts (INRGREF)</a><br>Hydrology/Modelling/Land degradation/Water Harvesting impact/Climate change/Water Resources management/GIS | 5       | 4           | 0.800               | 1         | 1           | 1.000               | 76       | 72          | 0.947               |
| 8          | 429     | 38710  | 1058800 | <a href="#">Talel Zouari</a>                          |  <a href="#">Tunisia</a>  | ESPRIT   | <a href="#">Unknown affiliation</a>   | 5       | 4           | 0.800               | 3         | 1           | 0.333               | 65       | 45          | 0.692               |
| 8          | 430     | 38970  | 1060207 | <a href="#">Riadh Bechir</a>                          |  <a href="#">Tunisia</a> | Institut des Régions Arides de Médenine                              | <a href="#">IRA Medenine</a>  | 5       | 3           | 0.600               | 1         | 0           | 0.000               | 62       | 34          | 0.548               |
| 9          | 431     | 39364  | 1062425 | <a href="#">Fares Sahraoui</a>                        |  <a href="#">Tunisia</a> | ESPRIT   | Computer science   Cyber-security   Networking   Programming   Software development   | 5       | 3           | 0.600               | 1         | 0           | 0.000               | 55       | 24          | 0.436               |
| 11         | 432     | 39565  | 1063584 | Nadhem Echi Maitre de Conférences-Associate Professor |  <a href="#">Tunisia</a> | Université de Gafsa  | <a href="#">Natural Sciences / Mathematics</a><br>Control theory   Stabilization  | 5       | 5           | 1.000               | 1         | 1           | 1.000               | 49       | 48          | 0.980               |

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|------------|---------|--------|---------|---|---|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 11         | 433     | 39837  | 1068143 | <a href="#">Alia Besbes Sahli</a>                     |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>   | <a href="#">ASSISTANT PROFESSOR</a><br>Digital Marketing   consumer behavior   Online revenge   Satisfaction/insatisfaction   online reviews  | 4       | 4           | 1.000               | 4         | 4           | 1.000               | 338      | 306         | 0.905               |
| 5          | 434     | 39838  | 1068239 | <a href="#">Ahmed Ben Ayed</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET'COM</a>                | <a href="#">Higher Institute for Technology Studies in Communications of Tunis (Iset'Com)</a><br>Blockchain   IoT Security   Android Security   Malware Analysis   Information Security | 4       | 4           | 1.000               | 3         | 2           | 0.667               | 331      | 328         | 0.991               |
| 12         | 435     | 40115  | 1072056 | <a href="#">Fathi Gharbi</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>   | <a href="#">ISSAT kairouan TUNISIE</a><br>materials characterization  | 4       | 4           | 1.000               | 4         | 4           | 1.000               | 170      | 125         | 0.735               |
| 16         | 436     | 40131  | 1072186 | <a href="#">Sami Gharbi</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>   | <a href="#">Economics &amp; Econometrics / Accounting &amp; Finance</a><br>Finance   corporate governance   Corporate social Responsibility   entrepreneurship                          | 4       | 4           | 1.000               | 3         | 2           | 0.667               | 168      | 128         | 0.762               |
| 6          | 437     | 40460  | 1075081 | <a href="#">Ikbel Mallek.Zouari</a>                   |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET'COM</a>                | <a href="#">Natural Sciences / Physics</a><br>Physique  | 4       | 4           | 1.000               | 3         | 2           | 0.667               | 129      | 54          | 0.419               |
| 49         | 438     | 40646  | 1076557 | <a href="#">Rym Bouhlal</a>                           |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Assistant chercheur, INRAT: Institut National de la Recherche Agronomique de Tunisie ...</a><br>Ecophysiology végétale des arbres fruitiers Agrumes   pommier   vigne       | 4       | 4           | 1.000               | 2         | 1           | 0.500               | 116      | 74          | 0.638               |
| 5          | 439     | 40846  | 1077848 | <a href="#">Syrine Ben Meskina</a>                    |  <a href="#">Tunisia</a> | <a href="#">Mediterranean Institute Of Technology</a>                                | <a href="#">MedTech - SMU</a><br>Data mining   smart grid   machine learning   multi-agent system   artificial intelligence   | 4       | 3           | 0.750               | 2         | 2           | 1.000               | 107      | 98          | 0.916               |

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|------------|---------|--------|---------|---|---|---|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University  | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 14         | 440     | 40850  | 1077867 | <a href="#">Mohamed Mehdi Queslati</a>                |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">Ingénieur en chef, Laboratoire de Maîtrise de l'Energie Eolienne et de Valorisation ...</a><br>Enérgétique   Energie Renouvelables   Energie Eolienne   Computational Fluid Dynamics   Aérodynamique   | 4       | 3           | 0.750               | 1         | 1           | 1.000               | 107      | 83          | 0.776               |
| 10         | 441     | 41681  | 1083059 | <a href="#">Ines Channoufi</a>                        |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>  | <a href="#">Assistant Professor</a><br>Data Science   Machine Learning   Computer Vision   Pattern Recognition   Big Data Analytics  | 4       | 4           | 1.000               | 3         | 3           | 1.000               | 81       | 81          | 1.000               |
| 53         | 442     | 41836  | 1083962 | <a href="#">Mohamed Salah Karoui</a>                  |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>                                | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Antenne   Ultra large bande   RFID   | 4       | 4           | 1.000               | 3         | 1           | 0.333               | 78       | 42          | 0.538               |
| 6          | 443     | 41910  | 1084392 | <a href="#">Heger Arfaoui</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Mediterranean Institute Of Technology</a>                 | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Theoretical Computer Science  | 4       | 3           | 0.750               | 3         | 3           | 1.000               | 77       | 51          | 0.662               |
| 13         | 444     | 42678  | 1088797 | <a href="#">Mohamed Bechir Chenguel</a>               |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>                                | <a href="#">PhD in finance HDR</a><br>risk banking   financial crisis   Islamic banking   voluntary disvgulation   blockchain  | 4       | 2           | 0.500               | 2         | 1           | 0.500               | 66       | 49          | 0.742               |
| 3          | 445     | 42722  | 1089018 | <a href="#">Tlili Ons</a>                             |  <a href="#">Tunisia</a> | <a href="#">Université Centrale</a>                                   | <a href="#">Dr. Ing en Génie Energétique (ENIM) . Université Centrale. Honoris United Universities</a><br>Thermique des procédés Industriels   CFD   Energies nouvelles et renouvelables   Fire Compartiment Study | 4       | 3           | 0.750               | 3         | 2           | 0.667               | 65       | 51          | 0.785               |
| 14         | 446     | 43362  | 1092291 | <a href="#">Elmissaoui Taoufik</a>                    |  <a href="#">Tunisia</a> | <a href="#">Université de Kairouan</a>                                | <a href="#">Innov'com, Kairouan university</a><br>Radar   localisation   | 4       | 3           | 0.750               | 3         | 0           | 0.000               | 58       | 23          | 0.397               |
| 28         | 447     | 43517  | 1093155 | <a href="#">Moez Ayachi</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>                                   | <a href="#">Natural Sciences / Mathematics</a><br>Nonlinear dynamics   Biological systems   Neural networks   Almost periodic functions   Delay differential equations   | 4       | 3           | 0.750               | 1         | 1           | 1.000               | 57       | 24          | 0.421               |

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|            |         |        |         | Name  | Country   | University                             | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |         |   |   |  |   |         |             |                     |           |             |                     |          |             |                     |
| 16         | 448     | 43531  | 1093242 | <a href="#">Wafa Lejmi</a>                            |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>   | <a href="#">University of Sousse, ISITCom, Tunisia</a><br>Computer Sciences   Image Processing   Video Surveillance   Intelligence Artificielle   Machine Learning              | 4       | 4           | 1.000               | 3         | 3           | 1.000               | 56       | 56          | 1.000               |
| 15         | 449     | 44131  | 1096941 | <a href="#">Jaafar Ben Nasr</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a> | <a href="#">Enseignant chercheur, Préhistoire et Anthropologie, Université de Kairouan</a><br>Archéologie   Préhistoire et Anthropologie  | 4       | 4           | 1.000               | 0         | 0           | 0                   | 50       | 45          | 0.900               |
| 11         | 450     | 44585  | 1100444 | <a href="#">Mariem Bouzouita</a>                      |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>                 | <a href="#">Enseignant à Esprit</a>   | 4       | 3           | 0.750               | 1         | 1           | 1.000               | 44       | 34          | 0.773               |
| 16         | 451     | 45176  | 1104817 | <a href="#">Moez Ketata</a>                           |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a> | <a href="#">doctor</a><br>electronics & µ-electronics   signal processing   | 4       | 3           | 0.750               | 0         | 0           | 0                   | 36       | 18          | 0.500               |
| 29         | 452     | 46549  | 1117098 | <a href="#">Nejib Saadaoui</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>    | <a href="#">Université de Gabès</a><br>Hom Algebras   | 3       | 2           | 0.667               | 1         | 1           | 1.000               | 79       | 60          | 0.759               |
| 30         | 453     | 46916  | 1119109 | <a href="#">Khaled Hassine</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>    | <a href="#">Engineering &amp; Technology / Computer Science</a><br>HPC - AI - Deep learning   | 3       | 3           | 1.000               | 2         | 2           | 1.000               | 67       | 39          | 0.582               |
| 31         | 454     | 47823  | 1124173 | <a href="#">Baghdadi Aloui</a>                        |  <a href="#">Tunisia</a>  | <a href="#">Université de Gabès</a>    | <a href="#">Gabes University</a><br>Special Functions Orthogonal Polynomials Generating Functions Number Theory   | 3       | 3           | 1.000               | 1         | 1           | 1.000               | 49       | 46          | 0.939               |
| 17         | 455     | 48063  | 1125639 | <a href="#">Hajer Gahbiche Msakni</a>                 |  <a href="#">Tunisia</a> | <a href="#">Université de Kairouan</a> | <a href="#">Institut Supérieur des Mathématiques Appliquées et de l'Informatique, ISMAL, Université de ...</a><br>Video QoE   QoE Influencing factors   Adaptive HTTP Streaming | 3       | 2           | 0.667               | 1         | 1           | 1.000               | 46       | 20          | 0.435               |
| 32         | 456     | 48347  | 1127800 | <a href="#">Abir Jrad</a>                             |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>    | Applied Geophysic   | 3       | 3           | 1.000               | 2         | 2           | 1.000               | 41       | 30          | 0.732               |
| 12         | 457     | 48424  | 1128373 | <a href="#">Thouraya Louati</a>                       |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>                 | <a href="#">Doctor in computer science</a><br>Parallel and distributed systems   Cloud Computing   Fault Tolerance  | 3       | 3           | 1.000               | 2         | 2           | 1.000               | 40       | 39          | 0.975               |

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|------------|---------|--------|---------|---|---|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 15         | 458     | 48728  | 1130791 | <a href="#">Charfeddine Messaadi</a>                  |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a>  | <a href="#">Natural Sciences / Physics</a><br>Physique   Nanostructures   Sciences des matériaux  | 3       | 3           | 1.000               | 2         | 2           | 1.000               | 36       | 36          | 1.000               |
| 3          | 459     | 48854  | 1131642 | <a href="#">Moncef Makni</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET Sfax</a> | <a href="#">Professeur de génie civil, ISET Sfax</a><br>Materiaux et structures   | 3       | 2           | 0.667               | 2         | 1           | 0.500               | 35       | 22          | 0.629               |
| 13         | 460     | 49109  | 1133458 | <a href="#">Anis Ben Hajyoussef</a>                   |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>   | <a href="#">Université de Tunis El Manar, Ecole Nationale d'Ingénieurs de Tunis</a><br>Compression vidéo                                      | 3       | 2           | 0.667               | 1         | 1           | 1.000               | 33       | 28          | 0.848               |
| 14         | 461     | 49524  | 1136523 | <a href="#">Jaber Jamel</a>                           |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>   | <a href="#">Carthage University</a><br>functional analysis  | 3       | 2           | 0.667               | 1         | 1           | 1.000               | 29       | 20          | 0.690               |
| 18         | 462     | 49529  | 1136600 | <a href="#">Hrizi Mourad</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>                                 | <a href="#">University of Kairouan</a><br>Inverse problems   Topological derivatives  | 3       | 3           | 1.000               | 0         | 0           | 0                   | 29       | 29          | 1.000               |
| 33         | 463     | 49546  | 1136779 | <a href="#">Noureddine Ghiloufi</a>                   |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>                                    | <a href="#">King Faisal University (KSA), Gabes University (Tunisia)</a><br>Complex Analysis   Functional Analysis                            | 3       | 2           | 0.667               | 0         | 0           | 0                   | 29       | 17          | 0.586               |
| 19         | 464     | 49645  | 1137595 | <a href="#">Wassim Lafi</a>                           |  <a href="#">Tunisia</a> | <a href="#">Université de Kairouan</a>                                 | <a href="#">National engineering school of tunis</a><br>Mechanical engineering  | 3       | 3           | 1.000               | 1         | 1           | 1.000               | 27       | 27          | 1.000               |
| 20         | 465     | 49724  | 1138394 | <a href="#">Rim Ayari</a>                             |  <a href="#">Tunisia</a> | <a href="#">Université de Kairouan</a>                                 | <a href="#">Assistant at College of Applied Mathematics and Computer Science (ISMAIK), University of ...</a><br>traitement d'images médicales | 3       | 3           | 1.000               | 1         | 1           | 1.000               | 26       | 23          | 0.885               |
| 16         | 466     | 49826  | 1139164 | <a href="#">Boutheina Ben Fraj</a>                    |  <a href="#">Tunisia</a> | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a>  | <a href="#">CRTEn</a><br>mechanical engineering   materials   smart systems   green energy  | 3       | 3           | 1.000               | 1         | 1           | 1.000               | 25       | 25          | 1.000               |

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|------------|---------|--------|---------|---|---|---|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
|            |         |        |         |   |   |   |   |         |             |                     |           |             |                     |          |             |                     |
| 15         | 467     | 49893  | 1139548 | <a href="#">Mlouhi Yosra</a>                          |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>                                  | <a href="#">Enseignante formatrice associée, Esprit School of Business (ESB)</a><br>Data Science   Web Service   Traitement d'images   etc.                                       | 3       | 3           | 1.000               | 0         | 0           | 0                   | 25       | 23          | 0.920               |
| 9          | 468     | 50298  | 1142577 | <a href="#">Farah Chouikhi</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Institut des Régions Arides de Médenine</a> | <a href="#">Computer Engineer</a><br>GIS   Environment   Artificial intelligence  | 3       | 3           | 1.000               | 0         | 0           | 0                   | 21       | 18          | 0.857               |
| 16         | 469     | 50408  | 1143322 | <a href="#">Achref Ouni</a>                           |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>                                  | <a href="#">Docteur</a><br>Computer vision  | 3       | 3           | 1.000               | 0         | 0           | 0                   | 20       | 20          | 1.000               |
| 21         | 470     | 50641  | 1144971 | <a href="#">Saadaoui Islem</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>                  | <a href="#">Doctor, Research assistant, University of Sousse</a><br>Planning   Rural Development   Sustainable Development   Land-use Dynamics   Urban and Peri-urban Agriculture | 3       | 2           | 0.667               | 0         | 0           | 0                   | 18       | 13          | 0.722               |
| 22         | 471     | 50848  | 1146503 | <a href="#">Oula Ben Hassine</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>                  | <a href="#">ISG Bizerte</a><br>Economics  | 3       | 1           | 0.333               | 0         | 0           | 0                   | 15       | 1           | 0.067               |
| 17         | 472     | 51086  | 1149182 | <a href="#">Hajjaji Yosra</a>                         |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>                                  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>computer science   Big Data   IoT   Deep learning   Remote sensing   | 2       | 2           | 1.000               | 2         | 2           | 1.000               | 162      | 161         | 0.994               |
| 7          | 473     | 51578  | 1152576 | <a href="#">Dorra Louati</a>                          |  <a href="#">Tunisia</a> | <a href="#">Mediterranean Institute Of Technology</a>   | <a href="#">MedTech and IPT</a>   | 2       | 2           | 1.000               | 1         | 1           | 1.000               | 64       | 45          | 0.703               |
| 23         | 474     | 51795  | 1153631 | <a href="#">Mimoun Melliti</a>                        |  <a href="#">Tunisia</a> | <a href="#">Université de Kairouan</a>                  | <a href="#">Assistant Professor of English</a><br>English   ELT   GENRE ANALYSIS  | 2       | 2           | 1.000               | 2         | 1           | 0.500               | 53       | 42          | 0.792               |
| 24         | 475     | 52116  | 1155540 | <a href="#">Emna Hajlaoui</a>                         |  <a href="#">Tunisia</a> | <a href="#">Université de Kairouan</a>                  | <a href="#">Communications et Réseaux</a>   | 2       | 2           | 1.000               | 2         | 2           | 1.000               | 41       | 39          | 0.951               |
| 18         | 476     | 52275  | 1156505 | <a href="#">Mouna Makni</a>                           |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>                                  | <a href="#">ESPRIT</a>  | 2       | 2           | 1.000               | 2         | 0           | 0.000               | 37       | 8           | 0.216               |
| 8          | 477     | 52317  | 1156740 | <a href="#">Nejib Chennoufi</a>                       |  <a href="#">Tunisia</a> | <a href="#">Mediterranean Institute Of Technology</a>   | <a href="#">Mediterranean Institute of Technolgy</a><br>Continuum and Solid Mechanics   Fluid Mechanics   Materials   | 2       | 2           | 1.000               | 2         | 0           | 0.000               | 36       | 7           | 0.194               |

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|------------|---------|--------|---------|---|---|---|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 19         | 478     | 52388  | 1157115 | Anis Zouaoui  |  Tunisia   | ESPRIT  | professeur d'informatique, Esprit<br>OS   Programmation   ERP   BI  | 2       | 2           | 1.000               | 1         | 1           | 1.000               | 35       | 33          | 0.943               |
| 25         | 479     | 52972  | 1161339 | Saadaoui Hayet  |  Tunisia   | Université de Kairouan                                | Assistant professor, University of Kairouan<br>Entrepreneurship   Business administration   Emotions  | 2       | 2           | 1.000               | 1         | 1           | 1.000               | 24       | 24          | 1.000               |
| 17         | 480     | 53132  | 1162421 | Mohamed Hamdi   |  Tunisia   | Centre De Recherches Et Des Technologies De L'énergie | Research and Technologies Centre of Energy (CRTEn)<br>Computational fluid dynamics   Lattice Boltzmann Method   Nanofluids   Solar Energy   Applied Fluid Mechanics | 2       | 2           | 1.000               | 0         | 0           | 0                   | 23       | 22          | 0.957               |
| 4          | 481     | 53140  | 1162479 | Salma Hamza   |  Tunisia   | Mediterranean Institute of Technology                 | Assistant Professor, Software Engineering<br>software evolution   | 2       | 2           | 1.000               | 2         | 0           | 0.000               | 22       | 15          | 0.682               |
| 7          | 482     | 53419  | 1164438 | Moez Balti  |  Tunisia   | Institut Supérieur des Etudes Technologiques ISET'COM | Professeur Telecom, Iset'Com<br>NoC   SoCs   IoT   eHealth  | 2       | 2           | 1.000               | 0         | 0           | 0                   | 20       | 18          | 0.900               |
| 26         | 483     | 53635  | 1165939 | Ben Mabrouk Zaineb                                    |  Tunisia   | Université de Kairouan                                | docteur Génie électrique  | 2       | 1           | 0.500               | 1         | 1           | 1.000               | 18       | 12          | 0.667               |
| 27         | 484     | 54312  | 1170964 | Hassan Guenichi                                       |  Tunisia | Université de Kairouan                                | LEGI - Tunisia Polytechnics School, Associate professor, ISIG-K, University of Kairouan<br>Economics   Econometrics   Finance                                       | 2       | 2           | 1.000               | 0         | 0           | 0                   | 13       | 13          | 1.000               |
| 22         | 484     | 54312  | 1170964 | Khifi Lilia   |  Tunisia | Université de Tunis                                   | Professeur Histoire, Université Tunis<br>Histoire   archéologie funéraire   ivoire  | 2       | 2           | 1.000               | 0         | 0           | 0                   | 13       | 8           | 0.615               |
| 1          | 486     | 54473  | 1172105 | Farah Hached  |  Tunisia | Université Mahmoud El Materi                          | Université Mahmoud el Materi<br>Droit   Sciences politiques   | 2       | 2           | 1.000               | 0         | 0           | 0                   | 12       | 7           | 0.583               |
| 20         | 487     | 54832  | 1174841 | Ahmed Teyeb   |  Tunisia | ESPRIT  | Brunel Innovation Centre  | 2       | 2           | 1.000               | 0         | 0           | 0                   | 10       | 6           | 0.600               |

| University | Country | Region | World   | AD Scientific Index - 2023 Tunisia Top 500 Scientists |   |   |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|---------|---|---|---|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 21         | 488     | 55148  | 1177581 | <a href="#">Noura Abdaoui</a>                         |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>  | <a href="#">searcher , manouba university</a><br>IA   iot   pervasive computing                                   | 2       | 2           | 1.000               | 0         | 0           | 0                   | 8        | 8           | 1.000               |
| 28         | 488     | 55148  | 1177581 | <a href="#">Hcini Ghazala</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>  | <a href="#">REGIM, Faculty of Science and Technology in Sidi Bouzid, University of Kairouan, Tunisia</a>          | 2       | 2           | 1.000               | 0         | 0           | 0                   | 8        | 8           | 1.000               |
| 1          | 490     | 55307  | 1178923 | <a href="#">Muammar Kadaffi</a>                       |  <a href="#">Tunisia</a>   | <a href="#">Université Ez-Zitouna</a>   |   | 2       | 2           | 1.000               | 0         | 0           | 0                   | 7        | 7           | 1.000               |
| 22         | 490     | 55307  | 1178923 | <a href="#">Ghassen Hammouda</a>                      |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>  | <a href="#">Expert formateur Spring ( Docteur Ingénieur en Informatique )</a><br>Spring   Java   Machine Learning | 2       | 2           | 1.000               | 0         | 0           | 0                   | 7        | 7           | 1.000               |
| 22         | 490     | 55307  | 1178923 | <a href="#">Imed Amri</a>                             |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>  | <a href="#">Enseignant</a><br>développement mobile  | 2       | 2           | 1.000               | 0         | 0           | 0                   | 7        | 7           | 1.000               |
| 24         | 493     | 56656  | 1188712 | <a href="#">Yassine Kammoun</a>                       |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>  | <a href="#">ingénieur informatique</a><br>recherche informatique<br>développement                                 | 1       | 1           | 1.000               | 1         | 1           | 1.000               | 17       | 17          | 1.000               |
| 4          | 493     | 56656  | 1188712 | <a href="#">Narjes Ben Salah Chaabane</a>             |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET Sfax</a>        | <a href="#">Higher Institute of Technological Studies of Sfax</a><br>Hydrology                                    | 1       | 1           | 1.000               | 1         | 1           | 1.000               | 17       | 16          | 0.941               |
| 25         | 495     | 56921  | 1190470 | <a href="#">Yosr Ghozzi</a>                           |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>  | <a href="#">Enseignant chercheur</a><br>Mécanique numérique   | 1       | 1           | 1.000               | 1         | 1           | 1.000               | 12       | 10          | 0.833               |
| 4          | 496     | 57469  | 1195070 | <a href="#">Elyes Kooli</a>                           |  <a href="#">Tunisia</a> | <a href="#">Institut Supérieur des Etudes Technologiques ISET Ksar Hellal</a> | <a href="#">Higher Institute for Technological Studies of Ksar Hellal</a>   | 1       | 1           | 1.000               | 0         | 0           | 0                   | 6        | 6           | 1.000               |

| University | Country | Region | World   | AD Scientific Index - 2023 Tunisia Top 500 Scientists |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|---------|---|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 29         | 497     | 57677  | 1196659 | <a href="#">Lotfi Lahmar</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université de Kairouan</a>   | <a href="#">Enseignant-chercheur à la Faculté des Lettres et des Sciences Humaines de Kairouan ...</a><br>Géographie   Hydrogeomorphologie   Risques   Géomatique   Télédétection. | 1       | 1           | 1.000               | 0         | 0           | 0                   | 5        | 3           | 0.600               |
| 5          | 498     | 57913  | 1198703 | <a href="#">Hajer Hadj Salem</a>                      |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET Ksar Hellal</a>    | <a href="#">Business &amp; Management / Marketing</a><br>Marketing   Marketing sociétal   Marketing digital  | 1       | 1           | 1.000               | 0         | 0           | 0                   | 4        | 4           | 1.000               |
| 12         | 499     | 58168  | 1201258 | <a href="#">Anis Messaoud</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Université de Gafsa</a>  | <a href="#">Professeur agrégé et docteur en Mathématiques, Université de Gafsa</a><br>Théorie des représentations de groupes de Lie   Analyse harmonique                           | 1       | 1           | 1.000               | 0         | 0           | 0                   | 3        | 3           | 1.000               |
| 26         | 499     | 58168  | 1201258 | <a href="#">Heni Abidi</a>                            |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>   | <a href="#">Esprit School of Business</a><br>Mathématique appliquée  | 1       | 1           | 1.000               | 0         | 0           | 0                   | 3        | 3           | 1.000               |
| 1          | 501     | 58503  | 1204595 | <a href="#">Rudolf Sardi</a>                          |  <a href="#">Tunisia</a>  | <a href="#">South Mediterranean University, Mediterranean School of Business</a> | <a href="#">South Mediterranean University, Mediterranean School of Business</a><br>Literature   American Literature   English Literature   Nabokov Studies   Henry James Studies  | 1       | 1           | 1.000               | 0         | 0           | 0                   | 2        | 1           | 0.500               |
| 27         | 501     | 58503  | 1204595 | <a href="#">Bilel Charfi</a>                          |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>   | <a href="#">Enseignant chercheur en mathématiques, ESPRIT (Ecole Supérieure Privée d'Ingénierie et ...)</a><br>Mathématiques   Mathématiques et applications                       | 1       | 1           | 1.000               | 0         | 0           | 0                   | 2        | 2           | 1.000               |
| 27         | 501     | 58503  | 1204595 | <a href="#">Faten Ziadi</a>                           |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>   | <a href="#">enseignante d'informatique</a><br>deep learning  | 1       | 1           | 1.000               | 0         | 0           | 0                   | 2        | 1           | 0.500               |

| University | Country | Region | World   | AD Scientific Index - 2023 Tunisia Top 500 Scientists |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|---------|---|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 4          | 501     | 58503  | 1204595 | <a href="#">Nouha Belaid</a>                          |  <a href="#">Tunisia</a>   | <a href="#">Université Centrale</a>                                      | <a href="#">Social Sciences / Journalism and Media</a><br>Journalism   Communication   Digital Media   Data Journalism   Fact-checking | 1       | 1           | 1.000               | 0         | 0           | 0                   | 2        | 2           | 1.000               |
| 8          | 505     | 58871  | 1208282 | <a href="#">Chammem Mhamed</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET'COM</a>    | <a href="#">IsetCom</a>  | 1       | 0           | 0.000               | 0         | 0           | 0                   | 2        | 0           | 0.000               |
| 5          | 506     | 58896  | 1208535 | <a href="#">Rim Gharbi</a>                            |  <a href="#">Tunisia</a>   | <a href="#">Mediterranean Institute of Technology</a>                    | <a href="#">Assistant professor, Medtech university</a><br>Physique moléculaire   Physique quantique                                   | 1       | 1           | 1.000               | 0         | 0           | 0                   | 1        | 1           | 1.000               |
| 10         | 506     | 58896  | 1208535 | <a href="#">Habib Lamourou</a>                        |  <a href="#">Tunisia</a>   | <a href="#">Institut des Régions Arides de Médenine</a>                  | <a href="#">IRA Medenine Tunisie</a><br>pedologie   biologie   sol   | 1       | 1           | 1.000               | 0         | 0           | 0                   | 1        | 1           | 1.000               |
| 5          | 506     | 58896  | 1208535 | <a href="#">Sawssen Hariz</a>                         |  <a href="#">Tunisia</a>   | <a href="#">Institut Supérieur des Etudes Technologiques ISET Sfax</a>   | <a href="#">Professor of Computer Science</a><br>Computer science   Programming   Machine learning                                     | 1       | 1           | 1.000               | 0         | 0           | 0                   | 1        | 1           | 1.000               |
| 2          | 506     | 58896  | 1208535 | <a href="#">Ibrahim Mlaoui</a>                        |  <a href="#">Tunisia</a> | <a href="#">Institut Supérieur des Etudes Technologiques ISET Sousse</a> | <a href="#">ENISo / ISETSo</a><br>Design   optimization   Vibration   Rotor dynamics   | 1       | 1           | 1.000               | 0         | 0           | 0                   | 1        | 1           | 1.000               |
| 29         | 510     | 59439  | 1215296 | <a href="#">Zied Khemiri</a>                          |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>   | <a href="#">Maître assistant</a><br>Analyse non linéaire et géométrie  | 0       | 0           | 0                   | 0         | 0           | 0                   | 9        | 0           | 0.000               |
| 29         | 510     | 59439  | 1215296 | <a href="#">Zied Alaya</a>                            |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>   | <a href="#">Head department</a><br>Active Learning   e-learning   software engineering   | 0       | 0           | 0                   | 0         | 0           | 0                   | 9        | 0           | 0.000               |
| 31         | 512     | 59533  | 1215390 | <a href="#">Walid Hamdi</a>                           |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>   | <a href="#">Laboratory of Advanced Systems (LAS), Polytechnic School of Tunisia, Carthage University ...</a><br>Automatique            | 0       | 0           | 0                   | 0         | 0           | 0                   | 4        | 0           | 0.000               |

| AD Scientific Index - 2023 Tunisia Top 500 Scientists |         |        |         |                                      |   |                                       |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|---|---------|--------|---------|--------------------------------------|---|---------------------------------------|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
| University  | Country | Region | World   | Name                                 | Country   | University                            | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 32  | 513     | 59572  | 1215429 | <a href="#">Tarek Benyounes</a>      |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>                | <a href="#">Professor of computer science</a><br>cloud computing   cyber-security   DevOps | 0       | 0           | 0                   | 0         | 0           | 0                   | 2        | 0           | 0.000               |
| 2   | 514     | 59599  | 1215456 | <a href="#">Muhammad Yusril Muna</a> |  <a href="#">Tunisia</a> | <a href="#">Université Ez-Zitouna</a> | Quranic Science and Hadith   | 0       | 0           | 0                   | 0         | 0           | 0                   | 0        | 0           | 0                   |

**Table VII A. Tunisia Top 100 Productivity i10 Index**

| University | Country | Region | World | AD Scientific Index - 2023 Table VII A. Tunisia Top 100 Productivity i10 Index   |   |  |  | Subject     | H INDEX             |       |             | i10 INDEX           |       |             | CITATION            |       |  |
|------------|---------|--------|-------|--|---|--|--|-------------|---------------------|-------|-------------|---------------------|-------|-------------|---------------------|-------|--|
|            |         |        |       | Name   | Country   | University                                   | Total  | Last 5 year | Last 5 year / total | Total | Last 5 year | Last 5 year / total | Total | Last 5 year | Last 5 year / total |       |  |
| 1          | 1       | 32     | 5865  | <a href="#">Moncef Nasri</a><br>        |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Biopeptides Proteases Lipoproteptides   | 70          | 56                  | 0.800 | 347         | 304                 | 0.876 | 19019       | 12463               | 0.655 |  |
| 2          | 2       | 143    | 22656 | <a href="#">Essebti Dhahri</a><br>      |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Physics</a><br>Magnétisme diélectrique matériaux multifonctionnels énergie environnement  | 42          | 30                  | 0.714 | 197         | 154                 | 0.782 | 6532        | 4620                | 0.707 |  |
| 1          | 3       | 172    | 26247 | <a href="#">Sassi Ben Nasrallah</a><br> |  Tunisia   | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Engineering</a><br>Energy Fluid Mechanics Heat and Mass Transfer Modelling  | 51          | 36                  | 0.706 | 184         | 119                 | 0.647 | 9584        | 4505                | 0.470 |  |
| 3          | 4       | 227    | 34390 | <a href="#">Sami Boufi</a><br>          |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Chemical Sciences</a><br>nanocelluloses cellulose nanofibrils nanocomposite composites  | 60          | 48                  | 0.800 | 161         | 146                 | 0.907 | 11790       | 7719                | 0.655 |  |
| 4          | 5       | 296    | 45218 | <a href="#">Mohamed Bouaziz</a><br>     |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>Analytical Chemistry Natural biomolecules  | 50          | 43                  | 0.860 | 140         | 128                 | 0.914 | 7629        | 5124                | 0.672 |  |
| 1          | 6       | 316    | 47201 | <a href="#">Manef Abderrabba</a><br>    |  Tunisia   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>chimie théorique matériaux substances naturelles   | 41          | 32                  | 0.780 | 137         | 115                 | 0.839 | 7112        | 4794                | 0.674 |  |
| 2          | 7       | 318    | 47299 | <a href="#">Maaref Hassen</a><br>       |  Tunisia   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Physics</a><br>solid state physics  | 31          | 17                  | 0.548 | 137         | 59                  | 0.431 | 4021        | 1637                | 0.407 |  |
| 1          | 8       | 327    | 48467 | <a href="#">Lassaad El Mir</a><br>     |  Tunisia  | <a href="#">Université de Gabès</a>          | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology  | 43          | 35                  | 0.814 | 135         | 115                 | 0.852 | 5606        | 4046                | 0.722 |  |
| 2          | 9       | 389    | 54116 | <a href="#">Mosbah Amlouk</a><br>     |  Tunisia | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Physics</a><br>Physics Thin Film Solar Cells Materials & NanoScience Engineering  | 39          | 29                  | 0.744 | 127         | 89                  | 0.701 | 4851        | 2785                | 0.574 |  |
| 3          | 10      | 409    | 55657 | <a href="#">Chekir Leila</a><br>      |  Tunisia | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Molecular Biology &amp; Genetics</a><br>toxicologie biologie moléculaire environnement cancer biologie cellulaire                 | 39          | 29                  | 0.744 | 125         | 95                  | 0.760 | 5494        | 2963                | 0.539 |  |
| 4          | 11      | 448    | 60780 | <a href="#">Hafedh Ben Ouada</a><br>  |  Tunisia | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Physics</a><br>capteur  | 35          | 19                  | 0.543 | 119         | 53                  | 0.445 | 4190        | 1468                | 0.350 |  |
| 1          | 12      | 454    | 61692 | <a href="#">Khaled Ghedira</a><br>    |  Tunisia | <a href="#">ESPRIT</a>                       | <a href="#">Professeur d'informatique</a><br>Intelligence Artificielle   | 28          | 23                  | 0.821 | 118         | 60                  | 0.508 | 4347        | 2444                | 0.562 |  |
| 1          | 13      | 582    | 73366 | <a href="#">Mohamed Amri</a><br>      |  Tunisia | <a href="#">Université de Tunis el Manar</a> | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>Neurosciences - Neuropharmacologie- Ethnopharmacologie STAPS - Nutrition | 43          | 27                  | 0.628 | 106         | 90                  | 0.849 | 5948        | 3155                | 0.530 |  |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII A. Tunisia Top 100 Productivity i10 Index  |   |   |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|---|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University  | Subject  | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 2          | 14      | 605    | 75041  | <a href="#">Mohamed Benrejeb</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Automatic control-Stability-Arrow Form Matrix-Synchronisation-Handwriting system                            | 25      | 14          | 0.560               | 105       | 29          | 0.276               | 3444     | 1194        | 0.347               |
| 5          | 15      | 639    | 79141  | <a href="#">Souhail Besbes</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>food science and technology   | 45      | 38          | 0.844               | 101       | 83          | 0.822               | 9008     | 5667        | 0.629               |
| 3          | 16      | 644    | 79678  | <a href="#">Habib Elhouiche</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology and Photonic Glasses   | 36      | 32          | 0.889               | 101       | 74          | 0.733               | 4187     | 2999        | 0.716               |
| 6          | 17      | 676    | 82946  | <a href="#">Ali Bougatef</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Technologie Alimentaire Biotechnologie  | 45      | 36          | 0.800               | 98        | 88          | 0.898               | 6801     | 4295        | 0.632               |
| 7          | 18      | 718    | 86362  | <a href="#">Kamel Zouari</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>hydrogeology isotopes geochemistry  | 35      | 23          | 0.657               | 96        | 66          | 0.688               | 3920     | 2014        | 0.514               |
| 4          | 19      | 788    | 92317  | <a href="#">Sadok Ben Yahia</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Artificial intelligence recommendation Systems Data Mining Ontology Engineering                             | 32      | 20          | 0.625               | 92        | 61          | 0.663               | 3359     | 1925        | 0.573               |
| 8          | 20      | 801    | 94017  | <a href="#">Mohamed Jmaiel</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Distributed Software Adaptive Systems Dynamic Software Architecture   | 27      | 21          | 0.778               | 91        | 47          | 0.516               | 2984     | 1591        | 0.533               |
| 1          | 22      | 821    | 95665  | <a href="#">Chtourou Radhouane</a><br> |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">Professeur</a><br>Recherche dans le domaine des nanomatériaux pour les énergies renouvelables  | 29      | 24          | 0.828               | 90        | 72          | 0.800               | 2986     | 2030        | 0.680               |
| 9          | 21      | 818    | 95580  | <a href="#">Aref Jeribi</a>   |  <a href="#">Tunisia</a>  | <a href="#">Université de Sfax</a>                                    | <a href="#">Natural Sciences / Mathematics</a><br>Operator theory Multivalued operator Fixed point theory Riesz basis Gribov operator in Bargmann space Transport operator Mat | 31      | 17          | 0.548               | 90        | 49          | 0.544               | 2907     | 1539        | 0.529               |
| 5          | 23      | 869    | 100561 | <a href="#">Zine Mighri</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>                                | <a href="#">Natural Sciences / Chemical Sciences</a><br>Recherche Scientifique   | 30      | 21          | 0.700               | 87        | 57          | 0.655               | 3247     | 1499        | 0.462               |
| 10         | 24      | 887    | 102011 | <a href="#">Semia Ellouz Chaabouni</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>                                    | <a href="#">Medical and Health Sciences / Veterinary Sciences</a><br>biotechnologie  | 34      | 28          | 0.824               | 86        | 73          | 0.849               | 3951     | 2953        | 0.747               |
| 3          | 25      | 907    | 103949 | <a href="#">Boussaid Mohamed</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>                                | <a href="#">Natural Sciences / Biological Science</a><br>Biological Sciences Biodiversity  | 32      | 24          | 0.750               | 85        | 57          | 0.671               | 3379     | 2082        | 0.616               |
| 6          | 26      | 938    | 107772 | <a href="#">Habib Youssef</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>                                | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Computer Networks Cyber physical systems Performance analysis Combinatorial optimization                    | 28      | 20          | 0.714               | 83        | 42          | 0.506               | 5180     | 1868        | 0.361               |

|            |         |        |        | AD Scientific Index - 2023 Table VII A. Tunisia Top 100 Productivity i10 Index |         |   |  |       |             | H INDEX             |       |             | i10 INDEX           |       |             | CITATION            |  |  |
|------------|---------|--------|--------|--|---------|---|--|-------|-------------|---------------------|-------|-------------|---------------------|-------|-------------|---------------------|--|--|
| University | Country | Region | World  | Name   | Country | University  | Subject  | Total | Last 5 year | Last 5 year L total | Total | Last 5 year | Last 5 year L total | Total | Last 5 year | Last 5 year L total |  |  |
| 4          | 27      | 942    | 107844 | Naceur Benhadj Braiek  | Tunisia | Université de Carthage                                | Engineering & Technology / Electrical & Electronic Engineering<br>Electrical Engineering Automatic Control Modeling Optimization Stability and Complex Systems | 26    | 18          | 0.692               | 83    | 45          | 0.542               | 2890  | 1614        | 0.558               |  |  |
| 5          | 28      | 952    | 108768 | Walid Mensi  | Tunisia | Université de Tunis el Manar                          | Economics & Econometrics / Accounting & Finance<br>Energy Finance Risk Management  | 38    | 38          | 1.000               | 82    | 82          | 1.000               | 5202  | 4869        | 0.936               |  |  |
| 7          | 29      | 958    | 109259 | Brahim Hnich   | Tunisia | Université de Monastir                                | Engineering & Technology / Computer Science<br>Artificial Intelligence Constraint Programming Uncertainty  | 34    | 17          | 0.500               | 82    | 27          | 0.329               | 3427  | 933         | 0.272               |  |  |
| 2          | 30      | 963    | 109751 | Brahim Bessais   | Tunisia | Centre De Recherches Et Des Technologies De L'énergie | Professeur de Physique, CRTE<br>semi-conducteurs nanomatériaux nanotechnologie cellules solaires capteurs  | 27    | 17          | 0.630               | 82    | 41          | 0.500               | 2537  | 1303        | 0.514               |  |  |
| 1          | 31      | 1027   | 114917 | Ameur Cherif   | Tunisia | Université de la Manouba                              | Medical and Health Sciences / Microbiology<br>Microbial resource management  | 35    | 29          | 0.829               | 79    | 70          | 0.886               | 5180  | 3017        | 0.582               |  |  |
| 11         | 33      | 1156   | 124447 | Abdennaceur Kachouri   | Tunisia | Université de Sfax                                    | Engineering & Technology / Electrical & Electronic Engineering<br>Signal processing for communications and networking  | 26    | 20          | 0.769               | 75    | 49          | 0.653               | 2850  | 2169        | 0.761               |  |  |
| 2          | 34      | 1157   | 124499 | Lassaad Sbita  | Tunisia | Université de Gabès                                   | Engineering & Technology / Energy Engineering<br>renewable energies  | 25    | 19          | 0.760               | 75    | 54          | 0.720               | 2501  | 1800        | 0.720               |  |  |
| 5          | 32      | 1146   | 123986 | Maher Gtari  | Tunisia | Université de Carthage                                | Medical and Health Sciences / Bacteriology<br>Bacterial Ecology and Evolution  | 32    | 22          | 0.688               | 75    | 60          | 0.800               | 2488  | 1561        | 0.627               |  |  |
| 1          | 35      | 1240   | 131630 | Essoukri Ben Amara Najoua  | Tunisia | Université de Sousse                                  | Engineering & Technology / Engineering<br>Pattern recognition Document analysis Multimodal biometric Computer vision Medical image processing                  | 26    | 19          | 0.731               | 72    | 44          | 0.611               | 2285  | 1390        | 0.608               |  |  |
| 3          | 36      | 1287   | 136314 | Ammar Houas  | Tunisia | Université de Gabès                                   | Natural Sciences / Chemical Sciences   | 30    | 26          | 0.867               | 70    | 59          | 0.843               | 7811  | 3947        | 0.505               |  |  |
| 8          | 37      | 1306   | 137050 | Moncef Said  | Tunisia | Université de Monastir                                | Natural Sciences / Physics<br>Physics condensed matter theory material science semiconductors  | 21    | 13          | 0.619               | 70    | 22          | 0.314               | 1955  | 825         | 0.422               |  |  |
| 6          | 38      | 1315   | 138050 | Tarek Mabrouki   | Tunisia | Université de Tunis el Manar                          | Engineering & Technology / Mechanical Engineering<br>Mechanical Engineering Machining Manufacturing Modelling and Simulation Forming Processes                 | 36    | 31          | 0.861               | 69    | 60          | 0.870               | 5097  | 3311        | 0.650               |  |  |
| 7          | 39      | 1339   | 139562 | Walid Elfalleh   | Tunisia | Université de Tunis el Manar                          | Engineering & Technology / Food Science and Engineering<br>Food Science & Technology   | 26    | 25          | 0.962               | 69    | 59          | 0.855               | 3068  | 2317        | 0.755               |  |  |

|            |         |        |        | AD Scientific Index - 2023 Table VII A. Tunisia Top 100 Productivity i10 Index |         |  |   |       | H INDEX     |                     |       | i10 INDEX   |                     |       | CITATION    |                     |  |
|------------|---------|--------|--------|--|---------|--|---|-------|-------------|---------------------|-------|-------------|---------------------|-------|-------------|---------------------|--|
| University | Country | Region | World  | Name   | Country | University   | Subject   | Total | Last 5 year | Last 5 year L total | Total | Last 5 year | Last 5 year L total | Total | Last 5 year | Last 5 year L total |  |
| 9          | 40      | 1366   | 141798 | Mohamed Farouk Mhenni  | Tunisia | Université de Monastir   | Natural Sciences / Chemical Sciences<br>Recherche Scientifique  | 30    | 28          | 0.933               | 68    | 55          | 0.809               | 2958  | 1958        | 0.662               |  |
| 10         | 41      | 1382   | 142356 | Hafedh Belmabrouk  | Tunisia | Université de Monastir   | Engineering & Technology / Mechanical Engineering<br>Fluid Mechanics Heat Transfer Microfluidics Material Science   | 26    | 23          | 0.885               | 68    | 58          | 0.853               | 2265  | 1914        | 0.845               |  |
| 12         | 42      | 1402   | 144443 | Abid Younes  | Tunisia | Université de Sfax   | Natural Sciences / Physics<br>Matériaux hybrides Optoélectronique Luminescence DFT  | 31    | 25          | 0.806               | 67    | 56          | 0.836               | 2724  | 1891        | 0.694               |  |
| 2          | 43      | 1423   | 145295 | Mekki Ksouri   | Tunisia | ESPRIT   | Engineering & Technology / Electrical & Electronic Engineering<br>automatique commande adaptative systèmes non linéaires systèmes complexes surveillance                    | 23    | 12          | 0.522               | 67    | 15          | 0.224               | 2441  | 900         | 0.369               |  |
| 1          | 44      | 1448   | 147613 | Elaloui Elimame  | Tunisia | Université de Gafsa  | Natural Sciences / Chemical Sciences<br>chemistry   | 28    | 23          | 0.821               | 66    | 52          | 0.788               | 7461  | 3642        | 0.488               |  |
| 1          | 45      | 1502   | 150951 | Faouzi Sakli   | Tunisia | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal        | Engineering & Technology / Textile Engineering<br>Génie textile   | 26    | 20          | 0.769               | 65    | 47          | 0.723               | 2554  | 1592        | 0.623               |  |
| 13         | 46      | 1511   | 151158 | Jamel Bouaziz  | Tunisia | Université de Sfax   | Engineering & Technology / Metallurgical & Materials Engineering<br>Materials Science and Engineering   | 24    | 18          | 0.750               | 65    | 44          | 0.677               | 1789  | 1022        | 0.571               |  |
| 14         | 47      | 1565   | 155224 | Tahar Mechichi   | Tunisia | Université de Sfax   | Medical and Health Sciences / Microbiology<br>microbiology biotechnology biodegradation   | 35    | 28          | 0.800               | 63    | 58          | 0.921               | 4273  | 2462        | 0.576               |  |
| 1          | 49      | 1584   | 156527 | Mohamed Kharrat  | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Agriculture<br>agronomist  | 29    | 22          | 0.759               | 63    | 46          | 0.730               | 2893  | 1568        | 0.542               |  |
| 15         | 48      | 1582   | 156404 | Slim Abdelkafi   | Tunisia | Université de Sfax   | Engineering & Technology / Environmental Science & Engineering<br>Microbiologie de l'Environnement  | 30    | 22          | 0.733               | 63    | 53          | 0.841               | 2126  | 1631        | 0.767               |  |
| 16         | 50      | 1607   | 157426 | Lamia Chaari Fourati   | Tunisia | Université de Sfax   | Engineering & Technology / Computer Science<br>UAVs and vehicular Networks Wireless and Mobile Networks Security Trust and Blockchain Information Centric Network Cyber phy | 21    | 20          | 0.952               | 63    | 48          | 0.762               | 1998  | 1528        | 0.765               |  |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII A. Tunisia Top 100 Productivity i10 Index |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 17         | 51      | 1642   | 159633 | <a href="#">Mohamed Damak</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie des produits naturels   | 29      | 21          | 0.724               | 62        | 40          | 0.645               | 3111     | 1600        | 0.514               |
| 8          | 52      | 1673   | 160576 | <a href="#">Oum Kalthoum Ben Hassine</a>                                       |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Natural Sciences / Biological Science</a><br>Biologie marine écologie marine écotoxicologie  | 23      | 15          | 0.652               | 62        | 26          | 0.419               | 2018     | 790         | 0.391               |
| 1          | 53      | 1702   | 162975 | <a href="#">Hichem Sebai</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>       | <a href="#">Medical and Health Sciences / Nutrition and Dietetics</a><br>Nutrition physiologie animale valorisation des biomolécules   | 29      | 24          | 0.828               | 61        | 57          | 0.934               | 2270     | 1746        | 0.769               |
| 1          | 54      | 1772   | 166767 | <a href="#">Lamjed Ben Said</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>          | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Artificial Intelligence Multi-agent Systems Evolutionary Multiobjective Optimization Simulation Decision Analysis                       | 26      | 24          | 0.923               | 60        | 52          | 0.867               | 2731     | 2174        | 0.796               |
| 18         | 55      | 1791   | 167418 | <a href="#">Nouri Masmoudi</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Electronique Numerique vidéo   | 19      | 13          | 0.684               | 60        | 21          | 0.350               | 2004     | 906         | 0.452               |
| 11         | 56      | 1836   | 170982 | <a href="#">Abdellatif Mtibaa</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>électronique embarqué intelligence artificielle Reconfiguration dynamique des FPGA Architectures reconfigurables | 21      | 19          | 0.905               | 59        | 34          | 0.576               | 1781     | 1180        | 0.663               |
| 12         | 57      | 1876   | 173794 | <a href="#">Hatem Majdoub</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>Biopolymers medicinal Chemistry natural products.  | 27      | 26          | 0.963               | 58        | 57          | 0.983               | 2495     | 2165        | 0.868               |
| 2          | 59      | 1910   | 174730 | <a href="#">Henda Hajjami Ben Ghezala</a>                                      |  <a href="#">Tunisia</a>   | <a href="#">Université de la Manouba</a>     | <a href="#">Medical and Health Sciences / Medical Genetics</a><br>Génie logiciel Internet des objets smart city processus collaboratifs TICE   | 18      | 12          | 0.667               | 58        | 23          | 0.397               | 2111     | 1200        | 0.568               |
| 6          | 58      | 1895   | 174334 | <a href="#">Chaouki Aouiti</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Neural networks Nonlinear systems Computational intelligence Theory Stability Theory Delay Systems                                      | 25      | 23          | 0.920               | 58        | 53          | 0.914               | 1677     | 1560        | 0.930               |
| 19         | 60      | 1960   | 178400 | <a href="#">Abdelmajid Ben Hamadou</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Natural Language Processing (Arabic) Information retrieval Semantic Web Social Media mining   | 21      | 14          | 0.667               | 57        | 24          | 0.421               | 2111     | 973         | 0.461               |
| 13         | 61      | 1963   | 178443 | <a href="#">Hassani Messaoud</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a>   | 20      | 16          | 0.800               | 57        | 37          | 0.649               | 1777     | 1190        | 0.670               |
| 20         | 62      | 2023   | 182127 | <a href="#">Lamia Hadrich Belguith</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Arabic Natural Language Processing Automatic summarization Question-Answering Automatic translation Arabic speech processing            | 23      | 16          | 0.696               | 56        | 42          | 0.750               | 1977     | 1262        | 0.638               |
| 7          | 63      | 2032   | 182303 | <a href="#">Ezzeddine Mahmoudi</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Biological Science</a><br>Ecology and Biology Free-living nematodes Contaminants Ecotoxicology Biomarkers.  | 22      | 16          | 0.727               | 56        | 42          | 0.750               | 1511     | 888         | 0.588               |
| 21         | 64      | 2132   | 189030 | <a href="#">Ksibi Mohamed</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Chemical Sciences</a><br>Environmental chemistry  | 27      | 24          | 0.889               | 54        | 46          | 0.852               | 8372     | 4182        | 0.500               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII A. Tunisia Top 100 Productivity i10 Index |   |                              |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|------------------------------|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University                   | Subject  | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 22         | 66      | 2193   | 193195 | Trabelsi Khaled  |  Tunisia   | Université de Sfax           | Medical and Health Sciences / Pharmacy & Pharmaceutical Sciences<br>COVID-19 Sleep Physical activity Ramadan fasting Sport medicine                        | 27      | 25          | 0.926               | 53        | 51          | 0.962               | 3939     | 3695        | 0.938               |
| 23         | 67      | 2206   | 193646 | Samir Bouaziz  |  Tunisia   | Université de Sfax           | Engineering & Technology / Earth Sciences<br>geology   | 26      | 19          | 0.731               | 53        | 33          | 0.623               | 2702     | 1350        | 0.500               |
| 8          | 65      | 2186   | 192782 | Khémais Ben Rhouma   |  Tunisia   | Université de Carthage       | Medical and Health Sciences / Physiology<br>Physiology of Reproduction Integrated Physiology   | 29      | 21          | 0.724               | 53        | 41          | 0.774               | 2250     | 1205        | 0.536               |
| 14         | 68      | 2221   | 194159 | Ahmed Bellagi  |  Tunisia   | Université de Monastir       | Natural Sciences / Chemical Sciences<br>Thermodynamique des procédés modélisation et simulation froid solaire  | 25      | 16          | 0.640               | 53        | 35          | 0.660               | 1842     | 888         | 0.482               |
| 9          | 69      | 2242   | 194853 | Yahya Slimani  |  Tunisia   | Université de Tunis el Manar | Engineering & Technology / Computer Science<br>Parallel and Distributed systems Cloud Computing Parallel and Distributed Data Mining Information Retrieval | 20      | 15          | 0.750               | 53        | 27          | 0.509               | 1831     | 934         | 0.510               |
| 15         | 70      | 2308   | 199036 | Mustapha Majdoub   |  Tunisia   | Université de Monastir       | Natural Sciences / Chemical Sciences<br>sciences   | 22      | 15          | 0.682               | 52        | 27          | 0.519               | 1917     | 790         | 0.412               |
| 11         | 72      | 2380   | 203598 | Noureddine Ellouze   |  Tunisia   | Université de Tunis el Manar | Engineering & Technology / Electrical & Electronic Engineering<br>Laboratoire Signal Image et Technologies de l'Information                                | 22      | 13          | 0.591               | 51        | 16          | 0.314               | 2589     | 956         | 0.369               |
| 10         | 71      | 2345   | 202076 | Hadda-Imene Ouzari   |  Tunisia   | Université de Tunis el Manar | Medical and Health Sciences / Microbiology<br>Microbiologie bioremédiation écologie microbienne  | 27      | 23          | 0.852               | 51        | 43          | 0.843               | 2429     | 1527        | 0.629               |
| 16         | 73      | 2392   | 204005 | Kamel Besbes   |  Tunisia   | Université de Monastir       | Engineering & Technology / Computer Science<br>Micro & Nano Electronics  | 19      | 15          | 0.789               | 51        | 37          | 0.725               | 1562     | 1048        | 0.671               |
| 12         | 74      | 2411   | 205860 | Bahri Rezig  |  Tunisia | Université de Tunis el Manar | Engineering & Technology / Industrial & Manufacturing Engineering<br>New Semiconductors Materials Thin Layered Structures Photovoltaics Photonics          | 29      | 15          | 0.517               | 50        | 21          | 0.420               | 3103     | 902         | 0.291               |
| 13         | 75      | 2442   | 207208 | Raouf Bennaceur  |  Tunisia | Université de Tunis el Manar | Natural Sciences / Physics<br>Physique des Solides Nanosciences  | 26      | 12          | 0.462               | 50        | 14          | 0.280               | 2140     | 550         | 0.257               |
| 9          | 76      | 2501   | 209959 | Slim Bechikh   |  Tunisia | Université de Carthage       | Engineering & Technology / Computer Science<br>Evolutionary algorithms Multi-objective Optimization Evolutionary Machine learning SBSE Algorithms          | 31      | 27          | 0.871               | 49        | 46          | 0.939               | 2836     | 2408        | 0.849               |
| 4          | 77      | 2529   | 211920 | Abdelmottaleb Ouederni   |  Tunisia | Université de Gabès          | Engineering & Technology / Industrial & Manufacturing Engineering<br>activated carbon/ gaz storage/ microreactors/ ozone/ adsorption/ catalysis            | 26      | 22          | 0.846               | 49        | 43          | 0.878               | 2128     | 1795        | 0.844               |
| 24         | 80      | 2575   | 213642 | Med Salim Bouhlel  |  Tunisia | Université de Sfax           | Engineering & Technology / Computer Science<br>Image processing Encryption Watermarking Telecommunication Human Machine Interaction                        | 20      | 15          | 0.750               | 49        | 24          | 0.490               | 1774     | 1125        | 0.634               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII A. Tunisia Top 100 Productivity i10 Index |   |  |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 17         | 78      | 2534   | 212023 | <a href="#">Med Borjini</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>fluide thermique   | 26      | 19          | 0.731               | 49        | 39          | 0.796               | 1744     | 1333        | 0.764               |
| 14         | 79      | 2574   | 213581 | <a href="#">Hassen Amri</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Synthèse Organique Sélective & Activité Biologique  | 21      | 7           | 0.333               | 49        | 4           | 0.082               | 1470     | 213         | 0.145               |
| 15         | 81      | 2582   | 213798 | <a href="#">Mohamed Faouzi Zid</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>inorganic chemistry   | 16      | 14          | 0.875               | 49        | 31          | 0.633               | 1342     | 872         | 0.650               |
| 2          | 82      | 2616   | 216751 | <a href="#">Rahmani Salem</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Power Electronics   | 26      | 16          | 0.615               | 48        | 22          | 0.458               | 2918     | 1118        | 0.383               |
| 2          | 83      | 2622   | 217017 | <a href="#">Naziha Atti</a>  |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Medical and Health Sciences / Nursing and Midwifery</a><br>Sciences des productions animales Systèmes de production Qualité du produit  | 26      | 20          | 0.769               | 48        | 32          | 0.667               | 1990     | 1006        | 0.506               |
| 3          | 84      | 2694   | 221520 | <a href="#">Habib Sidhom</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>material manufacturing and mechanical engineering  | 27      | 21          | 0.778               | 47        | 37          | 0.787               | 2486     | 1247        | 0.502               |
| 10         | 85      | 2730   | 223160 | <a href="#">Mohamed Gargouri</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Agriculture &amp; Forestry / Agricultural Biotechnology</a><br>Biotechnology  | 24      | 16          | 0.667               | 47        | 28          | 0.596               | 1705     | 917         | 0.538               |
| 25         | 86      | 2745   | 223618 | <a href="#">Imen Fendri</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Natural Sciences / Molecular Biology &amp; Genetics</a><br>Microbiologie  | 23      | 20          | 0.870               | 47        | 45          | 0.957               | 1520     | 1245        | 0.819               |
| 16         | 87      | 2755   | 223947 | <a href="#">Najoua Kamoun Turki</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Physics</a><br>Physique des Semiconducteurs Solar cells nanomaterials....  | 22      | 19          | 0.864               | 47        | 43          | 0.915               | 1406     | 1070        | 0.761               |
| 26         | 88      | 2757   | 223958 | <a href="#">Mohamed Ali Hammami</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Control Theory Differential Equations Dynamical Systems  | 22      | 17          | 0.773               | 47        | 34          | 0.723               | 1337     | 994         | 0.743               |
| 18         | 89      | 3024   | 238274 | <a href="#">Ramzi Khiari</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Textile Engineering</a><br>Textile and papermaking cellulose nanocomposite Nanocellulose and Nanomaterials Nanofibrillated cellulose and Nanocrystal | 26      | 23          | 0.885               | 44        | 40          | 0.909               | 2257     | 1807        | 0.801               |
| 4          | 90      | 3078   | 240252 | <a href="#">Zied Ftiti</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>  | <a href="#">Business &amp; Management / Business Administration</a><br>Monney Macroeconomics Finance Econometrics   | 22      | 20          | 0.909               | 44        | 39          | 0.886               | 2226     | 1888        | 0.848               |
| 19         | 91      | 3096   | 240820 | <a href="#">Habib Nasri</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie  | 21      | 15          | 0.714               | 44        | 29          | 0.659               | 1674     | 725         | 0.433               |

|            |         |        |        | AD Scientific Index - 2023 Table VII A. Tunisia Top 100 Productivity i10 Index |   |  |  |       | H INDEX     |                     |       | i10 INDEX   |                     |       | CITATION    |                     |  |
|------------|---------|--------|--------|--|---|--|--|-------|-------------|---------------------|-------|-------------|---------------------|-------|-------------|---------------------|--|
| University | Country | Region | World  | Name   | Country   | University   | Subject  | Total | Last 5 year | Last 5 year L total | Total | Last 5 year | Last 5 year L total | Total | Last 5 year | Last 5 year L total |  |
|            |         |        |        |  |   |  |  |       |             |                     |       |             |                     |       |             |                     |  |
| 3          | 92      | 3116   | 241253 | <a href="#">Brahim Chermiti</a>  |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Entomology &amp; Pesticides</a><br>Entomologie Protection des plantes Lutte biologique Lutte intégrée Ravageurs d'importance économique | 20    | 16          | 0.800               | 44    | 27          | 0.614               | 1284  | 888         | 0.692               |  |
| 27         | 93      | 3128   | 241449 | <a href="#">Lassad Neifar</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | <a href="#">Medical and Health Sciences / Parasitology</a><br>biologie marine biodiversité parasitologie   | 19    | 13          | 0.684               | 44    | 24          | 0.545               | 1084  | 587         | 0.542               |  |
| 17         | 94      | 3186   | 245722 | <a href="#">Nizar Nasri</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Biological Science</a><br>Biologie Environnement  | 23    | 19          | 0.826               | 43    | 33          | 0.767               | 2312  | 1471        | 0.636               |  |
| 20         | 95      | 3246   | 247599 | <a href="#">Mohamed Nazih Omri</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Information Retrieval Data Base Big Data Service Computing Software Engineering                               | 19    | 11          | 0.579               | 43    | 16          | 0.372               | 1135  | 649         | 0.572               |  |
| 28         | 96      | 3281   | 249773 | <a href="#">Nejib Kallel</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Climate and Environnement   | 26    | 20          | 0.769               | 42    | 31          | 0.738               | 4341  | 1246        | 0.287               |  |
| 5          | 97      | 3372   | 253849 | <a href="#">Mounir Sayadi</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Signal processing Image processing computer science                                    | 19    | 13          | 0.684               | 42    | 29          | 0.690               | 1310  | 784         | 0.598               |  |
| 3          | 98      | 3385   | 255028 | <a href="#">Nourhene Boudhrioua Mihoubi</a>                                    |  <a href="#">Tunisia</a> | <a href="#">Université de la Manouba</a>   | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Food Engineering/Functional Food  | 29    | 24          | 0.828               | 41    | 35          | 0.854               | 2734  | 1730        | 0.633               |  |
| 4          | 100     | 3465   | 259492 | <a href="#">Faouzi Ghorbel</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de la Manouba</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Machine Learning Pattern recognition Geometric computation Pdf estimation classification                      | 21    | 10          | 0.476               | 41    | 13          | 0.317               | 2133  | 528         | 0.248               |  |
| 11         | 99      | 3428   | 257949 | <a href="#">Abdelwaheb Boukhachem</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Physics</a><br>physique de matériaux et couches minces  | 24    | 22          | 0.917               | 41    | 37          | 0.902               | 1659  | 1318        | 0.794               |  |

**Table VII B. Tunisia Top 100 Last 5 Years i10 Index**

| University | Country | Region | World | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index                           |         |                              |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|-------|--|---------|------------------------------|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |       | Name   | Country | University                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 1       | 27     | 3243  | Moncef Nasri<br>        | Tunisia | Université de Sfax           | Engineering & Technology / Food Science and Engineering<br>Biopeptides Proteases Lipoproteptides  | 70      | 56          | 0.800               | 347       | 304         | 0.876               | 19019    | 12463       | 0.655               |
| 2          | 2       | 125    | 17256 | Essebti Dhahri   | Tunisia | Université de Sfax           | Natural Sciences / Physics<br>Magnétisme diélectrique matériaux multifonctionnels énergie environnement                                     | 42      | 30          | 0.714               | 197       | 154         | 0.782               | 6532     | 4620        | 0.707               |
| 3          | 3       | 145    | 19236 | Sami Boufi<br>          | Tunisia | Université de Sfax           | Natural Sciences / Chemical Sciences<br>nanocelluloses cellulose nanofibrils nanocomposite composites                                       | 60      | 48          | 0.800               | 161       | 146         | 0.907               | 11790    | 7719        | 0.655               |
| 4          | 4       | 182    | 25532 | Mohamed Bouaziz  | Tunisia | Université de Sfax           | Agriculture & Forestry / Agriculture<br>Analytical Chemistry Natural biomolecules   | 50      | 43          | 0.860               | 140       | 128         | 0.914               | 7629     | 5124        | 0.672               |
| 1          | 5       | 209    | 29794 | Sassi Ben Nasrallah<br> | Tunisia | Université de Monastir       | Engineering & Technology / Engineering<br>Energy Fluid Mechanics Heat and Mass Transfer Modelling   | 51      | 36          | 0.706               | 184       | 119         | 0.647               | 9584     | 4505        | 0.470               |
| 1          | 7       | 231    | 31963 | Manef Abderrabba<br>    | Tunisia | Université de Carthage       | Natural Sciences / Chemical Sciences<br>chimie théorique matériaux substances naturelles  | 41      | 32          | 0.780               | 137       | 115         | 0.839               | 7112     | 4794        | 0.674               |
| 1          | 6       | 230    | 31909 | Lassaad El Mir<br>     | Tunisia | Université de Gabès          | Engineering & Technology / Nanoscience and Nanotechnology<br>Nanotechnology   | 43      | 35          | 0.814               | 135       | 115         | 0.852               | 5606     | 4046        | 0.722               |
| 2          | 8       | 367    | 46319 | Chekir Leila   | Tunisia | Université de Monastir       | Natural Sciences / Molecular Biology & Genetics<br>toxicologie biologie moléculaire environnement cancer biologie cellulaire                | 39      | 29          | 0.744               | 125       | 95          | 0.760               | 5494     | 2963        | 0.539               |
| 1          | 9       | 417    | 51296 | Mohamed Amri<br>      | Tunisia | Université de Tunis el Manar | Medical and Health Sciences / Pharmacy & Pharmaceutical Sciences<br>Neurosciences - Neuropharmacologie-Ethnopharmacologie STAPS - Nutrition | 43      | 27          | 0.628               | 106       | 90          | 0.849               | 5948     | 3155        | 0.530               |
| 2          | 10      | 429    | 52257 | Mosbah Amlouk  | Tunisia | Université de Carthage       | Natural Sciences / Physics<br>Physics Thin Film Solar Cells Materials & NanoScience Engineering   | 39      | 29          | 0.744               | 127       | 89          | 0.701               | 4851     | 2785        | 0.574               |
| 5          | 11      | 436    | 52812 | Ali Bougatet   | Tunisia | Université de Sfax           | Engineering & Technology / Food Science and Engineering<br>Technologie Alimentaire Biotechnologie   | 45      | 36          | 0.800               | 98        | 88          | 0.898               | 6801     | 4295        | 0.632               |
| 6          | 12      | 488    | 58324 | Souhail Besbes   | Tunisia | Université de Sfax           | Engineering & Technology / Food Science and Engineering<br>food science and technology  | 45      | 38          | 0.844               | 101       | 83          | 0.822               | 9008     | 5667        | 0.629               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index  |   |   |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|---|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University  | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 13      | 501    | 59580  | <a href="#">Walid Mensi</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Economics &amp; Econometrics / Accounting &amp; Finance</a><br>Energy Finance Risk Management  | 38      | 38          | 1.000               | 82        | 82          | 1.000               | 5202     | 4869        | 0.936               |
| 3          | 14      | 617    | 71451  | <a href="#">Habib Elhouiche</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology and Photonic Glasses   | 36      | 32          | 0.889               | 101       | 74          | 0.733               | 4187     | 2999        | 0.716               |
| 7          | 15      | 639    | 73596  | <a href="#">Semia Ellouz Chaabouni</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Medical and Health Sciences / Veterinary Sciences</a><br>biotechnologie  | 34      | 28          | 0.824               | 86        | 73          | 0.849               | 3951     | 2953        | 0.747               |
| 1          | 16      | 675    | 75709  | <a href="#">Chtourou Radhouane</a><br> |  <a href="#">Tunisia</a>   | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">Professeur</a><br>Recherche dans le domaine des nanomatériaux pour les énergies renouvelables  | 29      | 24          | 0.828               | 90        | 72          | 0.800               | 2986     | 2030        | 0.680               |
| 1          | 17      | 714    | 78535  | <a href="#">Ameur Cherif</a><br>       |  <a href="#">Tunisia</a>   | <a href="#">Université de la Manouba</a>                              | <a href="#">Medical and Health Sciences / Microbiology</a><br>Microbial resource management  | 35      | 29          | 0.829               | 79        | 70          | 0.886               | 5180     | 3017        | 0.582               |
| 8          | 18      | 801    | 87162  | <a href="#">Kamel Zouari</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>hydrogeology isotopes geochemistry  | 35      | 23          | 0.657               | 96        | 66          | 0.688               | 3920     | 2014        | 0.514               |
| 4          | 19      | 933    | 98839  | <a href="#">Sadok Ben Yahia</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Artificial intelligence recommendation Systems Data Mining Ontology Engineering                 | 32      | 20          | 0.625               | 92        | 61          | 0.663               | 3359     | 1925        | 0.573               |
| 5          | 20      | 937    | 99434  | <a href="#">Tarek Mabrouki</a>  |  <a href="#">Tunisia</a>  | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Mechanical Engineering Machining Manufacturing Modelling and Simulation Forming Processes | 36      | 31          | 0.861               | 69        | 60          | 0.870               | 5097     | 3311        | 0.650               |
| 1          | 21      | 958    | 101074 | <a href="#">Khaled Ghedira</a><br>   |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>  | <a href="#">Professeur d'informatique</a><br>Intelligence Artificielle   | 28      | 23          | 0.821               | 118       | 60          | 0.508               | 4347     | 2444        | 0.562               |
| 3          | 22      | 968    | 101307 | <a href="#">Maher Gtari</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>                                | <a href="#">Medical and Health Sciences / Bacteriology</a><br>Bacterial Ecology and Evolution  | 32      | 22          | 0.688               | 75        | 60          | 0.800               | 2488     | 1561        | 0.627               |
| 2          | 23      | 993    | 103004 | <a href="#">Ammar Houas</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Gabès</a>                                   | <a href="#">Natural Sciences / Chemical Sciences</a>   | 30      | 26          | 0.867               | 70        | 59          | 0.843               | 7811     | 3947        | 0.505               |
| 3          | 25      | 1018   | 104212 | <a href="#">Maaref Hassen</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>                                | <a href="#">Natural Sciences / Physics</a><br>solid state physics  | 31      | 17          | 0.548               | 137       | 59          | 0.431               | 4021     | 1637        | 0.407               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index |   |                              |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|------------------------------|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 6          | 24      | 1001   | 103331 | Walid Elfalleh   |  Tunisia   | Université de Tunis el Manar | Engineering & Technology / Food Science and Engineering<br>Food Science & Technology  | 26      | 25          | 0.962               | 69        | 59          | 0.855               | 3068     | 2317        | 0.755               |
| 9          | 26      | 1031   | 105418 | Tahar Mechichi   |  Tunisia   | Université de Sfax           | Medical and Health Sciences / Microbiology<br>microbiology biotechnology biodegradation   | 35      | 28          | 0.800               | 63        | 58          | 0.921               | 4273     | 2462        | 0.576               |
| 4          | 27      | 1045   | 106663 | Hafedh Belmabrouk  |  Tunisia   | Université de Monastir       | Engineering & Technology / Mechanical Engineering<br>Fluid Mechanics Heat Transfer Microfluidics Material Science                                 | 26      | 23          | 0.885               | 68        | 58          | 0.853               | 2265     | 1914        | 0.845               |
| 4          | 29      | 1084   | 109204 | Boussaid Mohamed   |  Tunisia   | Université de Carthage       | Natural Sciences / Biological Science<br>Biological Sciences Biodiversity   | 32      | 24          | 0.750               | 85        | 57          | 0.671               | 3379     | 2082        | 0.616               |
| 6          | 31      | 1092   | 109779 | Zine Mighri  |  Tunisia   | Université de Monastir       | Natural Sciences / Chemical Sciences<br>Recherche Scientifique  | 30      | 21          | 0.700               | 87        | 57          | 0.655               | 3247     | 1499        | 0.462               |
| 5          | 28      | 1075   | 108691 | Hatem Majdoub  |  Tunisia   | Université de Monastir       | Natural Sciences / Chemical Sciences<br>Biopolymers medicinal Chemistry natural products.   | 27      | 26          | 0.963               | 58        | 57          | 0.983               | 2495     | 2165        | 0.868               |
| 1          | 30      | 1086   | 109292 | Hichem Sebai   |  Tunisia   | Université de Jendouba       | Medical and Health Sciences / Nutrition and Dietetics<br>Nutrition physiologie animale valorisation des biomolécules                              | 29      | 24          | 0.828               | 61        | 57          | 0.934               | 2270     | 1746        | 0.769               |
| 10         | 32      | 1114   | 111908 | Abid Younes  |  Tunisia   | Université de Sfax           | Natural Sciences / Physics<br>Matériaux hybrides Optoélectronique Luminescence DFT  | 31      | 25          | 0.806               | 67        | 56          | 0.836               | 2724     | 1891        | 0.694               |
| 7          | 33      | 1147   | 114024 | Mohamed Farouk Mhenni  |  Tunisia   | Université de Monastir       | Natural Sciences / Chemical Sciences<br>Recherche Scientifique  | 30      | 28          | 0.933               | 68        | 55          | 0.809               | 2958     | 1958        | 0.662               |
| 3          | 34      | 1215   | 119059 | Lassaad Sbita  |  Tunisia | Université de Gabès          | Engineering & Technology / Energy Engineering<br>renewable energies   | 25      | 19          | 0.760               | 75        | 54          | 0.720               | 2501     | 1800        | 0.720               |
| 8          | 37      | 1269   | 122279 | Hafedh Ben Ouada   |  Tunisia | Université de Monastir       | Natural Sciences / Physics<br>capteur   | 35      | 19          | 0.543               | 119       | 53          | 0.445               | 4190     | 1468        | 0.350               |
| 11         | 36      | 1258   | 121905 | Slim Abdelkafi   |  Tunisia | Université de Sfax           | Engineering & Technology / Environmental Science & Engineering<br>Microbiologie de l'Environnement  | 30      | 22          | 0.733               | 63        | 53          | 0.841               | 2126     | 1631        | 0.767               |
| 5          | 35      | 1249   | 121704 | Chaouki Aouiti   |  Tunisia | Université de Carthage       | Engineering & Technology / Computer Science<br>Neural networks Nonlinear systems Computational intelligence Theory Stability Theory Delay Systems | 25      | 23          | 0.920               | 58        | 53          | 0.914               | 1677     | 1560        | 0.930               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index  |                         |  |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|-------------------------|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country                 | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 39      | 1304   | 124760 | <a href="#">Elaloui Elimame</a><br>      | <a href="#">Tunisia</a> | <a href="#">Université de Gafsa</a>  | Natural Sciences / Chemical Sciences<br>chemistry   | 28      | 23          | 0.821               | 66        | 52          | 0.788               | 7461     | 3642        | 0.488               |
| 1          | 38      | 1298   | 124517 | <a href="#">Lamjed Ben Said</a><br>      | <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>  | Engineering & Technology / Computer Science<br>Artificial Intelligence Multi-agent Systems Evolutionary Multiobjective Optimization Simulation Decision Analysis            | 26      | 24          | 0.923               | 60        | 52          | 0.867               | 2731     | 2174        | 0.796               |
| 12         | 40      | 1349   | 127552 | <a href="#">Trabelsi Khaled</a><br>      | <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | Medical and Health Sciences / Pharmacy & Pharmaceutical Sciences<br>COVID-19 Sleep Physical activity Ramadan fasting Sport medicine   | 27      | 25          | 0.926               | 53        | 51          | 0.962               | 3939     | 3695        | 0.938               |
| 14         | 42      | 1495   | 137051 | <a href="#">Aref Jeribi</a><br>          | <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | Natural Sciences / Mathematics<br>Operator theory Multivalued operator Fixed point theory Riesz basis Gribov operator in Bargmann space Transport operator Mat              | 31      | 17          | 0.548               | 90        | 49          | 0.544               | 2907     | 1539        | 0.529               |
| 13         | 41      | 1485   | 136692 | <a href="#">Abdennaceur Kachouri</a><br> | <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | Engineering & Technology / Electrical & Electronic Engineering<br>Signal processing for communications and networking   | 26      | 20          | 0.769               | 75        | 49          | 0.653               | 2850     | 2169        | 0.761               |
| 15         | 43      | 1554   | 140676 | <a href="#">Lamia Chaari Fourati</a><br> | <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | Engineering & Technology / Computer Science<br>UAVs and vehicular Networks Wireless and Mobile Networks Security Trust and Blockchain Information Centric Network Cyber phy | 21      | 20          | 0.952               | 63        | 48          | 0.762               | 1998     | 1528        | 0.765               |
| 16         | 44      | 1618   | 144535 | <a href="#">Mohamed Jmaiel</a><br>       | <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | Engineering & Technology / Computer Science<br>Distributed Software Adaptive Systems Dynamic Software Architecture  | 27      | 21          | 0.778               | 91        | 47          | 0.516               | 2984     | 1591        | 0.533               |
| 1          | 45      | 1625   | 144802 | <a href="#">Faouzi Sakli</a><br>       | <a href="#">Tunisia</a> | <a href="#">Institut Supérieur des Etudes Technologiques ISET Ksar Hellal</a>        | Engineering & Technology / Textile Engineering<br>Génie textile   | 26      | 20          | 0.769               | 65        | 47          | 0.723               | 2554     | 1592        | 0.623               |
| 17         | 47      | 1652   | 147127 | <a href="#">Ksibi Mohamed</a><br>      | <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | Natural Sciences / Chemical Sciences<br>Environmental chemistry   | 27      | 24          | 0.889               | 54        | 46          | 0.852               | 8372     | 4182        | 0.500               |
| 1          | 48      | 1672   | 148430 | <a href="#">Mohamed Kharrat</a><br>    | <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | Agriculture & Forestry / Agriculture<br>agronomist  | 29      | 22          | 0.759               | 63        | 46          | 0.730               | 2893     | 1568        | 0.542               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index |         |                              |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---------|------------------------------|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country | University                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 6          | 46      | 1644   | 146200 | Slim Bechikh   | Tunisia | Université de Carthage       | Engineering & Technology / Computer Science<br>Evolutionary algorithms Multi-objective Optimization Evolutionary Machine learning SBSE Algorithms                           | 31      | 27          | 0.871               | 49        | 46          | 0.939               | 2836     | 2408        | 0.849               |
| 7          | 50      | 1765   | 154199 | Naceur Benhadj Braiek  | Tunisia | Université de Carthage       | Engineering & Technology / Electrical & Electronic Engineering<br>Electrical Engineering Automatic Control Modeling Optimization Stability and Complex Systems              | 26      | 18          | 0.692               | 83        | 45          | 0.542               | 2890     | 1614        | 0.558               |
| 18         | 49      | 1760   | 153917 | Imen Fendri  | Tunisia | Université de Sfax           | Natural Sciences / Molecular Biology & Genetics<br>Microbiologie  | 23      | 20          | 0.870               | 47        | 45          | 0.957               | 1520     | 1245        | 0.819               |
| 1          | 51      | 1830   | 158853 | Essoukri Ben Amara Najoua  | Tunisia | Université de Sousse         | Engineering & Technology / Engineering<br>Pattern recognition Document analysis Multimodal biometric Computer vision Medical image processing                               | 26      | 19          | 0.731               | 72        | 44          | 0.611               | 2285     | 1390        | 0.608               |
| 19         | 52      | 1842   | 159146 | Jamel Bouaziz  | Tunisia | Université de Sfax           | Engineering & Technology / Metallurgical & Materials Engineering<br>Materials Science and Engineering   | 24      | 18          | 0.750               | 65        | 44          | 0.677               | 1789     | 1022        | 0.571               |
| 7          | 53      | 1867   | 161678 | Hadda-Imene Ouzari   | Tunisia | Université de Tunis el Manar | Medical and Health Sciences / Microbiology<br>Microbiologie bioremediation ecologie microbienne   | 27      | 23          | 0.852               | 51        | 43          | 0.843               | 2429     | 1527        | 0.629               |
| 4          | 54      | 1872   | 161988 | Abdelmottaleb Ouederni   | Tunisia | Université de Gabès          | Engineering & Technology / Industrial & Manufacturing Engineering<br>activated carbon/gaz storage/ microreactors/ ozone/ adsorption/ catalysis                              | 26      | 22          | 0.846               | 49        | 43          | 0.878               | 2128     | 1795        | 0.844               |
| 8          | 55      | 1902   | 163733 | Najoua Kamoun Turki  | Tunisia | Université de Tunis el Manar | Natural Sciences / Physics<br>Physique des Semiconducteurs Solar cells nanomaterials....  | 22      | 19          | 0.864               | 47        | 43          | 0.915               | 1406     | 1070        | 0.761               |
| 9          | 56      | 1958   | 168068 | Harib Youssef  | Tunisia | Université de Monastir       | Engineering & Technology / Computer Science<br>Computer Networks Cyber physical systems Performance analysis Combinatorial optimization                                     | 28      | 20          | 0.714               | 83        | 42          | 0.506               | 5180     | 1868        | 0.361               |
| 20         | 57      | 1983   | 169231 | Lamia Hadrich Belguith   | Tunisia | Université de Sfax           | Engineering & Technology / Computer Science<br>Arabic Natural Language Processing Automatic summarization Question-Answering Automatic translation Arabic speech processing | 23      | 16          | 0.696               | 56        | 42          | 0.750               | 1977     | 1262        | 0.638               |
| 8          | 58      | 1984   | 169244 | Ezzeddine Mahmoudi   | Tunisia | Université de Carthage       | Natural Sciences / Biological Science<br>Ecology and Biology Free-living nematodes Contaminants Ecotoxicology Biomarkers.   | 22      | 16          | 0.727               | 56        | 42          | 0.750               | 1511     | 888         | 0.588               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index |         |   |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---------|---|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country | University  | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 60      | 2064   | 174424 | Brahim Bessais   | Tunisia | Centre De Recherches Et Des Technologies De L'énergie | Professeur de Physique, CRTEn semi-conducteurs nanomatériaux nanotechnologie cellules solaires capteurs  | 27      | 17          | 0.630               | 82        | 41          | 0.500               | 2537     | 1303        | 0.514               |
| 9          | 59      | 2029   | 172993 | Khémais Ben Rhouma   | Tunisia | Université de Carthage                                | Medical and Health Sciences / Physiology Physiology of Reproduction Integrated Physiology  | 29      | 21          | 0.724               | 53        | 41          | 0.774               | 2250     | 1205        | 0.536               |
| 21         | 62      | 2124   | 178068 | Mohamed Damak  | Tunisia | Université de Sfax                                    | Natural Sciences / Chemical Sciences Chimie des produits naturels  | 29      | 21          | 0.724               | 62        | 40          | 0.645               | 3111     | 1600        | 0.514               |
| 10         | 61      | 2094   | 176741 | Ramzi Khiari   | Tunisia | Université de Monastir                                | Engineering & Technology / Textile Engineering Textile and papermaking cellulose nanocomposite Nanocellulose and Nanomaterials Nanofibrillated cellulose and Nanocrystal | 26      | 23          | 0.885               | 44        | 40          | 0.909               | 2257     | 1807        | 0.801               |
| 2          | 63      | 2227   | 184103 | Zied Fiti  | Tunisia | Université de Tunis                                   | Business & Management / Business Administration Monney Macroeconomics Finance Econometrics   | 22      | 20          | 0.909               | 44        | 39          | 0.886               | 2226     | 1888        | 0.848               |
| 11         | 64      | 2244   | 185045 | Med Borjini  | Tunisia | Université de Monastir                                | Engineering & Technology / Mechanical Engineering fluide thermique   | 26      | 19          | 0.731               | 49        | 39          | 0.796               | 1744     | 1333        | 0.764               |
| 2          | 65      | 2286   | 187727 | Younes Hamed   | Tunisia | Université de Gafsa                                   | Agriculture & Forestry / Soil and Water Engineering and Conservation Hydrogeology isotopic geochemistry climate change   | 26      | 24          | 0.923               | 40        | 38          | 0.950               | 1611     | 1428        | 0.886               |
| 3          | 67      | 2450   | 196129 | Habib Sidhom   | Tunisia | Université de Tunis                                   | Engineering & Technology / Mechanical Engineering material manufacturing and mechanical engineering  | 27      | 21          | 0.778               | 47        | 37          | 0.787               | 2486     | 1247        | 0.502               |
| 12         | 68      | 2517   | 198974 | Hassani Messaoud   | Tunisia | Université de Monastir                                | Engineering & Technology / Electrical & Electronic Engineering   | 20      | 16          | 0.800               | 57        | 37          | 0.649               | 1777     | 1190        | 0.670               |
| 10         | 66      | 2436   | 195247 | Abdelwaheb Boukhamem   | Tunisia | Université de Carthage                                | Natural Sciences / Physics physique de matériaux et couches minces   | 24      | 22          | 0.917               | 41        | 37          | 0.902               | 1659     | 1318        | 0.794               |
| 13         | 69      | 2524   | 199085 | Kamel Besbes   | Tunisia | Université de Monastir                                | Engineering & Technology / Computer Science Micro & Nano Electronics   | 19      | 15          | 0.789               | 51        | 37          | 0.725               | 1562     | 1048        | 0.671               |
| 2          | 70      | 2673   | 207090 | Nourhene Boudhrioua Mihoubi  | Tunisia | Université de la Manouba                              | Engineering & Technology / Food Science and Engineering Food Engineering/Functional Food   | 29      | 24          | 0.828               | 41        | 35          | 0.854               | 2734     | 1730        | 0.633               |
| 14         | 71      | 2779   | 213143 | Ahmed Bellagi  | Tunisia | Université de Monastir                                | Natural Sciences / Chemical Sciences Thermodynamiques des procédés modélisation et simulation froid solaire  | 25      | 16          | 0.640               | 53        | 35          | 0.660               | 1842     | 888         | 0.482               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 15         | 72      | 2858   | 218392 | <a href="#">Abdellatif Mtiba</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>électronique embarqué intelligence artificielle Reconfiguration dynamique des FPGA Architectures reconfigurables | 21      | 19          | 0.905               | 59        | 34          | 0.576               | 1781     | 1180        | 0.663               |
| 22         | 73      | 2905   | 220270 | <a href="#">Mohamed Ali Hammami</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Control Theory Differential Equations Dynamical Systems   | 22      | 17          | 0.773               | 47        | 34          | 0.723               | 1337     | 994         | 0.743               |
| 23         | 75      | 2996   | 225807 | <a href="#">Samir Bouaziz</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>geology   | 26      | 19          | 0.731               | 53        | 33          | 0.623               | 2702     | 1350        | 0.500               |
| 9          | 74      | 2992   | 225670 | <a href="#">Nizar Nasri</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Biological Science</a><br>Biologie Environnement  | 23      | 19          | 0.826               | 43        | 33          | 0.767               | 2312     | 1471        | 0.636               |
| 2          | 76      | 3104   | 232970 | <a href="#">Naziha Atti</a>  |  <a href="#">Tunisia</a>   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Medical and Health Sciences / Nursing and Midwifery</a><br>Sciences des productions animales Systèmes de production Qualité du produit   | 26      | 20          | 0.769               | 48        | 32          | 0.667               | 1990     | 1006        | 0.506               |
| 2          | 77      | 3146   | 234971 | <a href="#">Mohamed Ali Mahjoub</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Image analysis pattern recognition machine learning predictive intelligence   | 19      | 18          | 0.947               | 41        | 32          | 0.780               | 1358     | 1174        | 0.865               |
| 24         | 78      | 3262   | 240964 | <a href="#">Nejib Kallel</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Climate and Environnement   | 26      | 20          | 0.769               | 42        | 31          | 0.738               | 4341     | 1246        | 0.287               |
| 16         | 81      | 3346   | 245064 | <a href="#">Kaïs Ammari</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Mathematics</a><br>Control Theory PDE   | 21      | 17          | 0.810               | 39        | 31          | 0.795               | 1765     | 928         | 0.526               |
| 10         | 79      | 3275   | 241313 | <a href="#">Atef Jaouani</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Engineering &amp; Technology / Bioengineering</a><br>Microbial & Environmental Technology  | 25      | 20          | 0.800               | 32        | 31          | 0.969               | 1659     | 988         | 0.596               |
| 11         | 82      | 3385   | 246470 | <a href="#">Mohamed Faouzi Zid</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>inorganic chemistry  | 16      | 14          | 0.875               | 49        | 31          | 0.633               | 1342     | 872         | 0.650               |
| 11         | 80      | 3308   | 242737 | <a href="#">Olfa Tebourbi</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Biological Science</a><br>Physiology  | 22      | 19          | 0.864               | 34        | 31          | 0.912               | 1252     | 848         | 0.677               |
| 12         | 83      | 3455   | 251401 | <a href="#">Fehmi Najar</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>MEMS NEMS Energy Harvesting Nonlinear Dynamics.   | 20      | 19          | 0.950               | 30        | 30          | 1.000               | 1537     | 984         | 0.640               |
| 13         | 84      | 3568   | 256090 | <a href="#">Mohamed Nejib Daly Yahia</a>                                       |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Biological Science</a><br>Plankton Ecology Plankton Taxonomy Biodiversity Ecotoxicology Zooplankton   | 19      | 14          | 0.737               | 39        | 30          | 0.769               | 1413     | 707         | 0.500               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index |   |  |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 12         | 88      | 3768   | 266041 | Mohamed Benrejeb   |  Tunisia   | Université de Tunis el Manar   | Engineering & Technology / Computer Science<br>Automatic control-Stability-Arrow Form Matrix-Synchronisation-Handwriting system | 25      | 14          | 0.560               | 105       | 29          | 0.276               | 3444     | 1194        | 0.347               |
| 3          | 85      | 3615   | 260069 | Nabil Souissi  |  Tunisia   | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Fisheries<br>Fish quality  | 24      | 19          | 0.792               | 33        | 29          | 0.879               | 1981     | 1257        | 0.635               |
| 17         | 87      | 3762   | 265971 | Habib Nasri  |  Tunisia   | Université de Monastir   | Natural Sciences / Chemical Sciences<br>Chimie  | 21      | 15          | 0.714               | 44        | 29          | 0.659               | 1674     | 725         | 0.433               |
| 4          | 89      | 3777   | 266210 | Mounir Sayadi  |  Tunisia   | Université de Tunis  | Engineering & Technology / Electrical & Electronic Engineering<br>Signal processing Image processing computer science           | 19      | 13          | 0.684               | 42        | 29          | 0.690               | 1310     | 784         | 0.598               |
| 25         | 86      | 3745   | 265385 | Najmeddine Abdelmoula  |  Tunisia   | Université de Sfax   | Engineering & Technology / Metallurgical & Materials Engineering<br>Sciences des Matériaux                                      | 18      | 16          | 0.889               | 41        | 29          | 0.707               | 1146     | 685         | 0.598               |
| 14         | 90      | 3941   | 275071 | Mohamed Gargouri   |  Tunisia   | Université de Carthage   | Agriculture & Forestry / Agricultural Biotechnology<br>Biotechnology  | 24      | 16          | 0.667               | 47        | 28          | 0.596               | 1705     | 917         | 0.538               |
| 2          | 91      | 3979   | 276002 | Slah Msahli  |  Tunisia  | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal        | Engineering & Technology / Textile Engineering<br>Textile sciences des matériaux  | 20      | 15          | 0.750               | 39        | 28          | 0.718               | 1521     | 964         | 0.634               |
| 18         | 94      | 4115   | 284097 | Brahim Hnich   |  Tunisia | Université de Monastir   | Engineering & Technology / Computer Science<br>Artificial Intelligence Constraint Programming Uncertainty                       | 34      | 17          | 0.500               | 82        | 27          | 0.329               | 3427     | 933         | 0.272               |
| 2          | 92      | 4008   | 276987 | Mehdi Ben Jebli  |  Tunisia | Université de Jendouba   | Fsjegj de jendouba, université de Jendouba<br>Énergies renouvelables et environnement   | 25      | 24          | 0.960               | 28        | 27          | 0.964               | 3383     | 3196        | 0.945               |
| 19         | 97      | 4208   | 287236 | Mustapha Majdoub   |  Tunisia | Université de Monastir   | Natural Sciences / Chemical Sciences<br>sciences  | 22      | 15          | 0.682               | 52        | 27          | 0.519               | 1917     | 790         | 0.412               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII B. Tunisia Top 100 Last 5 Years i10 Index |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 13         | 96      | 4198   | 286902 | <a href="#">Yahya Slimani</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Parallel and Distributed systems Cloud Computing Parallel and Distributed Data Mining Information Retrieval   | 20      | 15          | 0.750               | 53        | 27          | 0.509               | 1831     | 934         | 0.510               |
| 26         | 93      | 4012   | 277545 | <a href="#">Mohamed Makni</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>   | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>Toxicologie Nutrition Pharmacologie  | 23      | 22          | 0.957               | 30        | 27          | 0.900               | 1737     | 1122        | 0.646               |
| 4          | 95      | 4160   | 285804 | <a href="#">Brahim Chermiti</a>  |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Entomology &amp; Pesticides</a><br>Entomologie Protection des plantes Lutte biologique Lutte intégrée Ravageurs d'importance économique | 20      | 16          | 0.800               | 44        | 27          | 0.614               | 1284     | 888         | 0.692               |
| 14         | 100     | 4428   | 298728 | <a href="#">Oum Kalthoum Ben Hassine</a>                                       |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Natural Sciences / Biological Science</a><br>Biologie marine écologie marine écotoxicologie  | 23      | 15          | 0.652               | 62        | 26          | 0.419               | 2018     | 790         | 0.391               |
| 3          | 99      | 4380   | 297191 | <a href="#">Raouf Fathallah</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sousse</a>   | Fatigue and Mechanical surface treatment   | 19      | 16          | 0.842               | 30        | 26          | 0.867               | 1374     | 817         | 0.595               |
| 5          | 98      | 4282   | 292499 | <a href="#">Asma Maaoui</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>  | <a href="#">Social Sciences / Linguistics and Literature</a><br>Applied linguistics/Language assessment  | 19      | 18          | 0.947               | 29        | 26          | 0.897               | 1361     | 1115        | 0.819               |

**Table VII C. Tunisia Top 100 Last 5 Years H Index**

| University | Country | Region | World | AD Scientific Index - 2023 Table VII C. Tunisia Top 100 Last 5 Years H Index |         |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|-------|--|---------|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |       | Name   | Country | University                                   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 1       | 56     | 10276 | <a href="#">Moncef Nasri</a><br>   | Tunisia | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Biopeptides Proteases Lipopeptides  | 70      | 56          | 0.800               | 347       | 304         | 0.876               | 19019    | 12463       | 0.655               |
| 2          | 2       | 106    | 18580 | <a href="#">Sami Boufi</a><br>   | Tunisia | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Chemical Sciences</a><br>nanocelluloses cellulose<br>nanofibrils nanocomposite composites   | 60      | 48          | 0.800               | 161       | 146         | 0.907               | 11790    | 7719        | 0.655               |
| 3          | 3       | 157    | 27775 | <a href="#">Mohamed Bouaziz</a>  | Tunisia | <a href="#">Université de Sfax</a>           | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>Analytical Chemistry Natural biomolecules  | 50      | 43          | 0.860               | 140       | 128         | 0.914               | 7629     | 5124        | 0.672               |
| 4          | 4       | 225    | 40607 | <a href="#">Souhail Besbes</a>   | Tunisia | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>food science and technology   | 45      | 38          | 0.844               | 101       | 83          | 0.822               | 9008     | 5667        | 0.629               |
| 1          | 5       | 229    | 41515 | <a href="#">Walid Mensi</a>  | Tunisia | <a href="#">Université de Tunis el Manar</a> | <a href="#">Economics &amp; Econometrics / Accounting &amp; Finance</a><br>Energy Finance Risk Management  | 38      | 38          | 1.000               | 82        | 82          | 1.000               | 5202     | 4869        | 0.936               |
| 1          | 6       | 289    | 48850 | <a href="#">Sassi Ben Nasrallah</a><br>                                      | Tunisia | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Engineering</a><br>Energy Fluid Mechanics Heat and Mass Transfer Modelling  | 51      | 36          | 0.706               | 184       | 119         | 0.647               | 9584     | 4505        | 0.470               |
| 5          | 7       | 293    | 49195 | <a href="#">Ali Bougatef</a>   | Tunisia | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Technologie Alimentaire Biotechnologie  | 45      | 36          | 0.800               | 98        | 88          | 0.898               | 6801     | 4295        | 0.632               |
| 1          | 8       | 337    | 53664 | <a href="#">Lassaad El Mir</a><br>   | Tunisia | <a href="#">Université de Gabès</a>          | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology  | 43      | 35          | 0.814               | 135       | 115         | 0.852               | 5606     | 4046        | 0.722               |
| 1          | 9       | 435    | 66879 | <a href="#">Manef Abderrabba</a><br>   | Tunisia | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>chimie théorique matériaux substances naturelles   | 41      | 32          | 0.780               | 137       | 115         | 0.839               | 7112     | 4794        | 0.674               |
| 2          | 10      | 474    | 71043 | <a href="#">Habib Elhouichet</a>   | Tunisia | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology and Photonic Glasses   | 36      | 32          | 0.889               | 101       | 74          | 0.733               | 4187     | 2999        | 0.716               |
| 3          | 11      | 534    | 76275 | <a href="#">Tarek Mabrouki</a>   | Tunisia | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Mechanical Engineering Machining Manufacturing Modelling and Simulation Forming Processes | 36      | 31          | 0.861               | 69        | 60          | 0.870               | 5097     | 3311        | 0.650               |
| 6          | 12      | 568    | 79714 | <a href="#">Essebti Dhahri</a>   | Tunisia | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Physics</a><br>Magnétisme diélectrique matériaux multifonctionnels énergie environnement  | 42      | 30          | 0.714               | 197       | 154         | 0.782               | 6532     | 4620        | 0.707               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII C. Tunisia Top 100 Last 5 Years H Index |         |                              |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---------|------------------------------|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country | University                   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 14      | 678    | 91294  | Chekir Leila   | Tunisia | Université de Monastir       | Natural Sciences / Molecular Biology & Genetics<br>toxicologie biologie moléculaire environnement cancer biologie cellulaire                      | 39      | 29          | 0.744               | 125       | 95          | 0.760               | 5494     | 2963        | 0.539               |
| 1          | 13      | 675    | 91022  | Ameur Cherif   | Tunisia | Université de la Manouba     | Medical and Health Sciences / Microbiology<br>Microbial resource management   | 35      | 29          | 0.829               | 79        | 70          | 0.886               | 5180     | 3017        | 0.582               |
| 2          | 15      | 693    | 92189  | Mosbah Amlouk  | Tunisia | Université de Carthage       | Natural Sciences / Physics<br>Physics Thin Film Solar Cells Materials & NanoScience Engineering   | 39      | 29          | 0.744               | 127       | 89          | 0.701               | 4851     | 2785        | 0.574               |
| 8          | 17      | 809    | 101923 | Tahar Mechichi   | Tunisia | Université de Sfax           | Medical and Health Sciences / Microbiology<br>microbiology biotechnology biodegradation   | 35      | 28          | 0.800               | 63        | 58          | 0.921               | 4273     | 2462        | 0.576               |
| 7          | 16      | 776    | 99184  | Semia Ellouz Chaabouni   | Tunisia | Université de Sfax           | Medical and Health Sciences / Veterinary Sciences<br>biotechnologie   | 34      | 28          | 0.824               | 86        | 73          | 0.849               | 3951     | 2953        | 0.747               |
| 3          | 18      | 838    | 103765 | Mohamed Farouk Mhenni  | Tunisia | Université de Monastir       | Natural Sciences / Chemical Sciences<br>Recherche Scientifique  | 30      | 28          | 0.933               | 68        | 55          | 0.809               | 2958     | 1958        | 0.662               |
| 4          | 19      | 870    | 107059 | Mohamed Amri   | Tunisia | Université de Tunis el Manar | Medical and Health Sciences / Pharmacy & Pharmaceutical Sciences<br>Neurosciences - Neuropharmacologie- Ethnopharmacologie STAPS - Nutrition      | 43      | 27          | 0.628               | 106       | 90          | 0.849               | 5948     | 3155        | 0.530               |
| 3          | 20      | 924    | 111329 | Slim Bechikh   | Tunisia | Université de Carthage       | Engineering & Technology / Computer Science<br>Evolutionary algorithms Multi-objective Optimization Evolutionary Machine learning SBSE Algorithms | 31      | 27          | 0.871               | 49        | 46          | 0.939               | 2836     | 2408        | 0.849               |
| 2          | 21      | 984    | 115772 | Ammar Houas  | Tunisia | Université de Gabès          | Natural Sciences / Chemical Sciences  | 30      | 26          | 0.867               | 70        | 59          | 0.843               | 7811     | 3947        | 0.505               |
| 4          | 22      | 1064   | 123268 | Hatem Majdoub  | Tunisia | Université de Monastir       | Natural Sciences / Chemical Sciences<br>Biopolymers medicinal Chemistry natural products.   | 27      | 26          | 0.963               | 58        | 57          | 0.983               | 2495     | 2165        | 0.868               |
| 9          | 23      | 1122   | 127473 | Trabelsi Khaled  | Tunisia | Université de Sfax           | Medical and Health Sciences / Pharmacy & Pharmaceutical Sciences<br>COVID-19 Sleep Physical activity Ramadan fasting Sport medicine               | 27      | 25          | 0.926               | 53        | 51          | 0.962               | 3939     | 3695        | 0.938               |
| 5          | 24      | 1194   | 132703 | Walid Elfalleh   | Tunisia | Université de Tunis el Manar | Engineering & Technology / Food Science and Engineering<br>Food Science & Technology  | 26      | 25          | 0.962               | 69        | 59          | 0.855               | 3068     | 2317        | 0.755               |
| 10         | 25      | 1234   | 136869 | Abid Younes  | Tunisia | Université de Sfax           | Natural Sciences / Physics<br>Matériaux hybrides Optoélectronique Luminescence DFT  | 31      | 25          | 0.806               | 67        | 56          | 0.836               | 2724     | 1891        | 0.694               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII C. Tunisia Top 100 Last 5 Years H Index |   |   |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
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|            |         |        |        | Name   | Country   | University  | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 11         | 26      | 1293   | 139961 | Ksibi Mohamed  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | Natural Sciences / Chemical Sciences<br>Environmental chemistry  | 27      | 24          | 0.889               | 54        | 46          | 0.852               | 8372     | 4182        | 0.500               |
| 1          | 27      | 1302   | 140978 | Mehdi Ben Jebli  |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>                                | Fsjegj de jendouba, université de Jendouba<br>Énergies renouvelables et environnement  | 25      | 24          | 0.960               | 28        | 27          | 0.964               | 3383     | 3196        | 0.945               |
| 4          | 29      | 1365   | 146924 | Boussaid Mohamed   |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>                                | Natural Sciences / Biological Science<br>Biological Sciences Biodiversity  | 32      | 24          | 0.750               | 85        | 57          | 0.671               | 3379     | 2082        | 0.616               |
| 1          | 30      | 1375   | 147513 | Chtourou Radhouane   |       | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | Professeur<br>Recherche dans le domaine des nanomatériaux pour les énergies renouvelables  | 29      | 24          | 0.828               | 90        | 72          | 0.800               | 2986     | 2030        | 0.680               |
| 2          | 32      | 1424   | 151217 | Nourhene Boudrioua Mihoubi   |  <a href="#">Tunisia</a>   | <a href="#">Université de la Manouba</a>                              | Engineering & Technology / Food Science and Engineering<br>Food Engineering/Functional Food  | 29      | 24          | 0.828               | 41        | 35          | 0.854               | 2734     | 1730        | 0.633               |
| 1          | 28      | 1352   | 145983 | Lamjed Ben Said  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>                                   | Engineering & Technology / Computer Science<br>Artificial Intelligence Multi-agent Systems Evolutionary Multiobjective Optimization Simulation Decision Analysis | 26      | 24          | 0.923               | 60        | 52          | 0.867               | 2731     | 2174        | 0.796               |
| 2          | 31      | 1421   | 151024 | Hichem Sebai   |       | <a href="#">Université de Jendouba</a>                                | Medical and Health Sciences / Nutrition and Dietetics<br>Nutrition physiologie animale valorisation des biomolécules   | 29      | 24          | 0.828               | 61        | 57          | 0.934               | 2270     | 1746        | 0.769               |
| 1          | 33      | 1462   | 153350 | Younes Hamed   |  <a href="#">Tunisia</a>   | <a href="#">Université de Gafsa</a>                                   | Agriculture & Forestry / Soil and Water Engineering and Conservation<br>Hydrogeology isotopic geochemistry climate change  | 26      | 24          | 0.923               | 40        | 38          | 0.950               | 1611     | 1428        | 0.886               |
| 2          | 34      | 1480   | 154749 | Elaloui Elimame  |   | <a href="#">Université de Gafsa</a>                                   | Natural Sciences / Chemical Sciences<br>chemistry  | 28      | 23          | 0.821               | 66        | 52          | 0.788               | 7461     | 3642        | 0.488               |
| 1          | 35      | 1504   | 157459 | Khaled Ghedira   |   | <a href="#">ESPRIT</a>  | Professeur d'informatique<br>Intelligence Artificielle   | 28      | 23          | 0.821               | 118       | 60          | 0.508               | 4347     | 2444        | 0.562               |
| 12         | 36      | 1543   | 161020 | Kamel Zouari   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>                                    | Engineering & Technology / Earth Sciences<br>hydrogeology isotopes geochemistry  | 35      | 23          | 0.657               | 96        | 66          | 0.688               | 3920     | 2014        | 0.514               |
| 6          | 40      | 1667   | 167768 | Hadda-Imene Ouzari   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                          | Medical and Health Sciences / Microbiology<br>Microbiologie bioremediation écologie microbienne  | 27      | 23          | 0.852               | 51        | 43          | 0.843               | 2429     | 1527        | 0.629               |

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|            |         |        |        | Name   | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 5          | 37      | 1569   | 162293 | Hafedh Belmabrouk  |  Tunisia   | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Fluid Mechanics Heat Transfer Microfluidics Material Science   | 26      | 23          | 0.885               | 68        | 58          | 0.853               | 2265     | 1914        | 0.845               |
| 6          | 38      | 1588   | 163835 | Ramzi Khiari   |  Tunisia   | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Textile Engineering</a><br>Textile and papermaking cellulose nanocomposite Nanocellulose and Nanomaterials Nanofibrillated cellulose and Nanocrystal | 26      | 23          | 0.885               | 44        | 40          | 0.909               | 2257     | 1807        | 0.801               |
| 5          | 39      | 1659   | 167361 | Chaouki Aouiti   |  Tunisia   | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Neural networks Nonlinear systems Computational intelligence Theory Stability Theory Delay Systems                           | 25      | 23          | 0.920               | 58        | 53          | 0.914               | 1677     | 1560        | 0.930               |
| 1          | 43      | 1900   | 182607 | Mohamed Kharrat  |  Tunisia   | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>agronomist  | 29      | 22          | 0.759               | 63        | 46          | 0.730               | 2893     | 1568        | 0.542               |
| 6          | 44      | 1903   | 182718 | Maher Gtari  |  Tunisia   | <a href="#">Université de Carthage</a>   | <a href="#">Medical and Health Sciences / Bacteriology</a><br>Bacterial Ecology and Evolution   | 32      | 22          | 0.688               | 75        | 60          | 0.800               | 2488     | 1561        | 0.627               |
| 3          | 41      | 1825   | 178810 | Abdelmottaleb Ouederni   |  Tunisia   | <a href="#">Université de Gabès</a>  | <a href="#">Engineering &amp; Technology / Industrial &amp; Manufacturing Engineering</a><br>activated carbon/gaz storage/ microreactors/ ozone/ adsorption/ catalysis                          | 26      | 22          | 0.846               | 49        | 43          | 0.878               | 2128     | 1795        | 0.844               |
| 13         | 42      | 1880   | 181513 | Slim Abdelkafi   |  Tunisia | <a href="#">Université de Sfax</a>   | <a href="#">Engineering &amp; Technology / Environmental Science &amp; Engineering</a><br>Microbiologie de l'Environnement  | 30      | 22          | 0.733               | 63        | 53          | 0.841               | 2126     | 1631        | 0.767               |
| 14         | 46      | 1996   | 187740 | Mohamed Makni  |  Tunisia | <a href="#">Université de Sfax</a>   | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>Toxicologie Nutrition Pharmacologie   | 23      | 22          | 0.957               | 30        | 27          | 0.900               | 1737     | 1122        | 0.646               |
| 7          | 45      | 1970   | 186451 | Abdelwaheb Boukhachem  |  Tunisia | <a href="#">Université de Carthage</a>   | <a href="#">Natural Sciences / Physics</a><br>physique de matériaux et couches minces   | 24      | 22          | 0.917               | 41        | 37          | 0.902               | 1659     | 1318        | 0.794               |
| 7          | 49      | 2158   | 200493 | Zine Mighri  |  Tunisia | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Recherche Scientifique  | 30      | 21          | 0.700               | 87        | 57          | 0.655               | 3247     | 1499        | 0.462               |
| 15         | 47      | 2118   | 198450 | Mohamed Damak  |  Tunisia | <a href="#">Université de Sfax</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie des produits naturels  | 29      | 21          | 0.724               | 62        | 40          | 0.645               | 3111     | 1600        | 0.514               |

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|            |         |        |        | Name   | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 16         | 48      | 2121   | 198610 | Mohamed Jmaiel   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Distributed Software Adaptive Systems Dynamic Software Architecture  | 27      | 21          | 0.778               | 91        | 47          | 0.516               | 2984     | 1591        | 0.533               |
| 2          | 50      | 2246   | 205650 | Habib Sidhom   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>material manufacturing and mechanical engineering  | 27      | 21          | 0.778               | 47        | 37          | 0.787               | 2486     | 1247        | 0.502               |
| 8          | 51      | 2261   | 206312 | Khémais Ben Rhouma   |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>  | <a href="#">Medical and Health Sciences / Physiology</a><br>Physiology of Reproduction Integrated Physiology  | 29      | 21          | 0.724               | 53        | 41          | 0.774               | 2250     | 1205        | 0.536               |
| 8          | 55      | 2385   | 213347 | Habib Youssef  |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Computer Networks Cyber physical systems Performance analysis Combinatorial optimization                                     | 28      | 20          | 0.714               | 83        | 42          | 0.506               | 5180     | 1868        | 0.361               |
| 19         | 58      | 2589   | 225236 | Nejib Kallel   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>  | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Climate and Environment  | 26      | 20          | 0.769               | 42        | 31          | 0.738               | 4341     | 1246        | 0.287               |
| 7          | 53      | 2378   | 212848 | Sadok Ben Yahia  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>                                  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Artificial intelligence recommendation Systems Data Mining Ontology Engineering  | 32      | 20          | 0.625               | 92        | 61          | 0.663               | 3359     | 1925        | 0.573               |
| 17         | 52      | 2355   | 211346 | Abdennaceur Kachouri   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Signal processing for communications and networking   | 26      | 20          | 0.769               | 75        | 49          | 0.653               | 2850     | 2169        | 0.761               |
| 1          | 56      | 2447   | 216999 | Faouzi Sakli   |  <a href="#">Tunisia</a>  | <a href="#">Institut Supérieur des Etudes Technologiques ISET Ksar Hellal</a> | <a href="#">Engineering &amp; Technology / Textile Engineering</a><br>Génie textile   | 26      | 20          | 0.769               | 65        | 47          | 0.723               | 2554     | 1592        | 0.623               |
| 3          | 54      | 2382   | 213151 | Zied Fftiti  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>   | <a href="#">Business &amp; Management / Business Administration</a><br>Monney Macroeconomics Finance Econometrics   | 22      | 20          | 0.909               | 44        | 39          | 0.886               | 2226     | 1888        | 0.848               |
| 18         | 57      | 2470   | 218157 | Lamia Chaari Fourati   |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>  | <a href="#">Engineering &amp; Technology / Computer Science</a><br>UAVs and vehicular Networks Wireless and Mobile Networks Security Trust and Blockchain Information Centric Network Cyber phy | 21      | 20          | 0.952               | 63        | 48          | 0.762               | 1998     | 1528        | 0.765               |

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| University | Country | Region | World  | Name   | Country | University   | Subject  | Total | Last 5 year | Last 5 year / total | Total | Last 5 year | Last 5 year / total | Total | Last 5 year | Last 5 year / total |  |
| 2          | 60      | 2700   | 229998 | Naziha Atti  | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Medical and Health Sciences / Nursing and Midwifery<br>Sciences des productions animales Systèmes de production Qualité du produit   | 26    | 20          | 0.769               | 48    | 32          | 0.667               | 1990  | 1006        | 0.506               |  |
| 8          | 61      | 2705   | 230220 | Atef Jaouani   | Tunisia | Université de Tunis el Manar   | Engineering & Technology / Bioengineering<br>Microbial & Environmental Technology  | 25    | 20          | 0.800               | 32    | 31          | 0.969               | 1659  | 988         | 0.596               |  |
| 20         | 59      | 2590   | 225249 | Imen Fendri  | Tunisia | Université de Sfax   | Natural Sciences / Molecular Biology & Genetics<br>Microbiologie   | 23    | 20          | 0.870               | 47    | 45          | 0.957               | 1520  | 1245        | 0.819               |  |
| 9          | 64      | 2847   | 240064 | Hafedh Ben Ouada   | Tunisia | Université de Monastir   | Natural Sciences / Physics<br>capteur  | 35    | 19          | 0.543               | 119   | 53          | 0.445               | 4190  | 1468        | 0.350               |  |
| 21         | 66      | 2891   | 242762 | Samir Bouaziz  | Tunisia | Université de Sfax   | Engineering & Technology / Earth Sciences<br>geology   | 26    | 19          | 0.731               | 53    | 33          | 0.623               | 2702  | 1350        | 0.500               |  |
| 4          | 62      | 2789   | 235620 | Lassaad Sbita  | Tunisia | Université de Gabès  | Engineering & Technology / Energy Engineering<br>renewable energies  | 25    | 19          | 0.760               | 75    | 54          | 0.720               | 2501  | 1800        | 0.720               |  |
| 9          | 63      | 2845   | 240016 | Nizar Nasri  | Tunisia | Université de Tunis el Manar   | Natural Sciences / Biological Science<br>Biologie Environnement  | 23    | 19          | 0.826               | 43    | 33          | 0.767               | 2312  | 1471        | 0.636               |  |
| 1          | 65      | 2874   | 241780 | Essoukri Ben Amara Najoua  | Tunisia | Université de Sousse   | Engineering & Technology / Engineering<br>Pattern recognition Document analysis Multimodal biometric Computer vision Medical image processing                                      | 26    | 19          | 0.731               | 72    | 44          | 0.611               | 2285  | 1390        | 0.608               |  |
| 3          | 68      | 2949   | 245518 | Nabil Souissi  | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Fisheries<br>Fish quality   | 24    | 19          | 0.792               | 33    | 29          | 0.879               | 1981  | 1257        | 0.635               |  |
| 11         | 69      | 3003   | 247967 | Abdellatif Mtibaa  | Tunisia | Université de Monastir   | Engineering & Technology / Electrical & Electronic Engineering<br>électronique embarqué intelligence artificielle Reconfiguration dynamique des FPGA Architectures reconfigurables | 21    | 19          | 0.905               | 59    | 34          | 0.576               | 1781  | 1180        | 0.663               |  |
| 10         | 67      | 2904   | 243226 | Med Borjini  | Tunisia | Université de Monastir   | Engineering & Technology / Mechanical Engineering<br>fluide thermique  | 26    | 19          | 0.731               | 49    | 39          | 0.796               | 1744  | 1333        | 0.764               |  |

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|            |         |        |        | Name   | Country | University  | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 9          | 71      | 3141   | 253936 | Fehmi Najar  | Tunisia | Université de Carthage                                | Engineering & Technology / Mechanical Engineering<br>MEMS NEMS Energy Harvesting Nonlinear Dynamics.   | 20      | 19          | 0.950               | 30        | 30          | 1.000               | 1537     | 984         | 0.640               |
| 10         | 70      | 3086   | 251569 | Najoua Kamoun Turki  | Tunisia | Université de Tunis el Manar                          | Natural Sciences / Physics<br>Physique des Semiconducteurs Solar cells nanomaterials....   | 22      | 19          | 0.864               | 47        | 43          | 0.915               | 1406     | 1070        | 0.761               |
| 10         | 72      | 3184   | 255945 | Olfa Tebourbi  | Tunisia | Université de Carthage                                | Natural Sciences / Biological Science<br>Physiology  | 22      | 19          | 0.864               | 34        | 31          | 0.912               | 1252     | 848         | 0.677               |
| 11         | 73      | 3246   | 261763 | Naceur Benhadj Braiek  | Tunisia | Université de Carthage                                | Engineering & Technology / Electrical & Electronic Engineering<br>Electrical Engineering Automatic Control Modeling Optimization Stability and Complex Systems | 26      | 18          | 0.692               | 83        | 45          | 0.542               | 2890     | 1614        | 0.558               |
| 5          | 75      | 3357   | 269593 | Rhouma Rhouma  | Tunisia | Université de Gabès                                   | Engineering & Technology / Computer Science<br>Telecommunications Computer Science Cryptography Watermarking Steganography                                     | 23      | 18          | 0.783               | 29        | 23          | 0.793               | 2256     | 1220        | 0.541               |
| 22         | 79      | 3508   | 277066 | Jamel Bouaziz  | Tunisia | Université de Sfax                                    | Engineering & Technology / Metallurgical & Materials Engineering<br>Materials Science and Engineering  | 24      | 18          | 0.750               | 65        | 44          | 0.677               | 1789     | 1022        | 0.571               |
| 3          | 78      | 3426   | 273362 | Riadh Ben Mansour  | Tunisia | Université de Gafsa                                   | Université de Gafsa<br>Biotechnologie Stress oxydant Immunologie   | 20      | 18          | 0.900               | 27        | 22          | 0.815               | 1695     | 1114        | 0.657               |
| 2          | 74      | 3354   | 269345 | Salwa Bouadila   | Tunisia | Centre De Recherches Et Des Technologies De L'énergie | Maitre Assistant Énergétique au Laboratoire des Procédés Thermiques / CRTEn<br>Stockage de l'énergie Conditionnement des serre agricoles Energie solaire       | 19      | 18          | 0.947               | 23        | 21          | 0.913               | 1399     | 1227        | 0.877               |
| 4          | 77      | 3424   | 273309 | Asma Maaoui  | Tunisia | Université de Tunis                                   | Social Sciences / Linguistics and Literature<br>Applied linguistics Language assessment  | 19      | 18          | 0.947               | 29        | 26          | 0.897               | 1361     | 1115        | 0.819               |
| 2          | 76      | 3384   | 271105 | Mohamed Ali Mahjoub  | Tunisia | Université de Sousse                                  | Engineering & Technology / Computer Science<br>Image analysis pattern recognition machine learning predictive intelligence                                     | 19      | 18          | 0.947               | 41        | 32          | 0.780               | 1358     | 1174        | 0.865               |
| 11         | 80      | 3765   | 288810 | Ridha Ben Cheikh   | Tunisia | Université de Tunis el Manar                          | Engineering & Technology / Metallurgical & Materials Engineering<br>Science des Matériaux Biométhanisation et synthèse organique                               | 23      | 17          | 0.739               | 37        | 23          | 0.622               | 4186     | 1658        | 0.396               |
| 12         | 81      | 3766   | 288956 | Maaref Hassen  | Tunisia | Université de Monastir                                | Natural Sciences / Physics<br>solid state physics  | 31      | 17          | 0.548               | 137       | 59          | 0.431               | 4021     | 1637        | 0.407               |

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|            |         |        |        | Name   | Country | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 12         | 83      | 3779   | 290246 | Nafaa Adhoum   | Tunisia | Université de Carthage                                | Natural Sciences / Chemical Sciences<br>Electrochimie Chimie analytique Environnement   | 23      | 17          | 0.739               | 30        | 24          | 0.800               | 3748     | 1498        | 0.400               |
| 13         | 87      | 4088   | 306745 | Brahim Hnich   | Tunisia | Université de Monastir                                | Engineering & Technology / Computer Science<br>Artificial Intelligence Constraint Programming Uncertainty   | 34      | 17          | 0.500               | 82        | 27          | 0.329               | 3427     | 933         | 0.272               |
| 23         | 82      | 3775   | 289817 | Aref Jeribi  | Tunisia | Université de Sfax                                    | Natural Sciences / Mathematics<br>Operator theory Multivalued operator Fixed point theory Riesz basis Gribov operator in Bargmann space Transport operator Mat              | 31      | 17          | 0.548               | 90        | 49          | 0.544               | 2907     | 1539        | 0.529               |
| 3          | 84      | 3820   | 293257 | Brahim Bessais   | Tunisia | Centre De Recherches Et Des Technologies De L'énergie | Professeur de Physique, CRTEn<br>semi-conducteurs nanomatériaux nanotechnologie cellules solaires capteurs  | 27      | 17          | 0.630               | 82        | 41          | 0.500               | 2537     | 1303        | 0.514               |
| 14         | 88      | 4095   | 307003 | Kaïs Ammari  | Tunisia | Université de Monastir                                | Natural Sciences / Mathematics<br>Control Theory PDE  | 21      | 17          | 0.810               | 39        | 31          | 0.795               | 1765     | 928         | 0.526               |
| 3          | 85      | 3826   | 293470 | Bessem Mkaouer   | Tunisia | Université de la Manouba                              | Social Sciences / Higher Education Studies<br>Gymnastics Biomechanics Sport Physiology Didactic of Sports Training  | 18      | 17          | 0.944               | 23        | 23          | 1.000               | 1553     | 1294        | 0.833               |
| 24         | 86      | 4014   | 303729 | Mohamed Ali Hammami  | Tunisia | Université de Sfax                                    | Engineering & Technology / Computer Science<br>Control Theory Differential Equations Dynamical Systems  | 22      | 17          | 0.773               | 47        | 34          | 0.723               | 1337     | 994         | 0.743               |
| 13         | 89      | 4274   | 313704 | Issam Smaali   | Tunisia | Université de Carthage                                | Medical and Health Sciences / Biochemistry<br>Biotechnology Applied Biochemistry  | 22      | 17          | 0.773               | 28        | 22          | 0.786               | 1215     | 782         | 0.644               |
| 5          | 92      | 4523   | 327267 | Rahmani Salem  | Tunisia | Université de Tunis                                   | Engineering & Technology / Electrical & Electronic Engineering<br>Power Electronics   | 26      | 16          | 0.615               | 48        | 22          | 0.458               | 2918     | 1118        | 0.383               |
| 25         | 90      | 4475   | 323966 | Lamia Hadrich Belguith   | Tunisia | Université de Sfax                                    | Engineering & Technology / Computer Science<br>Arabic Natural Language Processing Automatic summarization Question-Answering Automatic translation Arabic speech processing | 23      | 16          | 0.696               | 56        | 42          | 0.750               | 1977     | 1262        | 0.638               |
| 16         | 96      | 4729   | 337560 | Ahmed Bellagi  | Tunisia | Université de Monastir                                | Natural Sciences / Chemical Sciences<br>Thermodynamique des procédés modélisation et simulation froid solaire   | 25      | 16          | 0.640               | 53        | 35          | 0.660               | 1842     | 888         | 0.482               |
| 15         | 91      | 4496   | 325388 | Hassani Messaoud   | Tunisia | Université de Monastir                                | Engineering & Technology / Electrical & Electronic Engineering  | 20      | 16          | 0.800               | 57        | 37          | 0.649               | 1777     | 1190        | 0.670               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII C. Tunisia Top 100 Last 5 Years H Index |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 14         | 94      | 4690   | 335872 | Mohamed Gargouri   |  Tunisia | Université de Carthage   | Agriculture & Forestry / Agricultural Biotechnology<br>Biotechnology   | 24      | 16          | 0.667               | 47        | 28          | 0.596               | 1705     | 917         | 0.538               |
| 12         | 93      | 4662   | 334391 | Wahbi Djebali  |  Tunisia | Université de Tunis el Manar   | Natural Sciences / Biological Science<br>Plant Abiotic Stress  | 20      | 16          | 0.800               | 25        | 20          | 0.800               | 1656     | 943         | 0.569               |
| 15         | 95      | 4728   | 337559 | Ezzeddine Mahmoudi   |  Tunisia | Université de Carthage   | Natural Sciences / Biological Science<br>Ecology and Biology Free-living nematodes Contaminants Ecotoxicology Biomarkers.                                | 22      | 16          | 0.727               | 56        | 42          | 0.750               | 1511     | 888         | 0.588               |
| 4          | 99      | 4842   | 341994 | Raouf Fathallah  |  Tunisia | Université de Sousse   | Fatigue and Mechanical surface treatment   | 19      | 16          | 0.842               | 30        | 26          | 0.867               | 1374     | 817         | 0.595               |
| 4          | 97      | 4731   | 337583 | Brahim Chermiti  |  Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Entomology & Pesticides<br>Entomologie Protection des plantes Lutte biologique Lutte intégrée Ravageurs d'importance économique | 20      | 16          | 0.800               | 44        | 27          | 0.614               | 1284     | 888         | 0.692               |
| 26         | 101     | 5062   | 349409 | Najmeddine Abdelmoula  |  Tunisia | Université de Sfax   | Engineering & Technology / Metallurgical & Materials Engineering<br>Sciences des Matériaux   | 18      | 16          | 0.889               | 41        | 29          | 0.707               | 1146     | 685         | 0.598               |
| 3          | 98      | 4802   | 340139 | Aref Meddeb  |  Tunisia | Université de Sousse   | Engineering & Technology / Electrical & Electronic Engineering<br>IoT Networks Telecommunications  | 17      | 16          | 0.941               | 27        | 22          | 0.815               | 1110     | 847         | 0.763               |

**Table VII D. Tunisia Top 100 Total Citation Index**

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII D. Tunisia Top 100 Total Citiation Index  |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 1          | 1       | 148    | 28635  | <a href="#">Moncef Nasri</a><br>        |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Biopeptides Proteases Lipopeptides  | 70      | 56          | 0.800               | 347       | 304         | 0.876               | 19019    | 12463       | 0.655               |
| 2          | 2       | 301    | 55125  | <a href="#">Sami Boufi</a><br>          |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Chemical Sciences</a><br>nanocelluloses cellulose nanofibrils nanocomposite composites  | 60      | 48          | 0.800               | 161       | 146         | 0.907               | 11790    | 7719        | 0.655               |
| 1          | 3       | 415    | 71331  | <a href="#">Sassi Ben Nasrallah</a><br> |  Tunisia   | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Engineering</a><br>Energy Fluid Mechanics Heat and Mass Transfer Modelling  | 51      | 36          | 0.706               | 184       | 119         | 0.647               | 9584     | 4505        | 0.470               |
| 3          | 4       | 453    | 76734  | <a href="#">Souhail Besbes</a>   |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>food science and technology   | 45      | 38          | 0.844               | 101       | 83          | 0.822               | 9008     | 5667        | 0.629               |
| 4          | 5       | 503    | 83501  | <a href="#">Ksibi Mohamed</a>  |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Chemical Sciences</a><br>Environmental chemistry  | 27      | 24          | 0.889               | 54        | 46          | 0.852               | 8372     | 4182        | 0.500               |
| 1          | 6       | 551    | 90377  | <a href="#">Ammar Houas</a>  |  Tunisia   | <a href="#">Université de Gabès</a>          | <a href="#">Natural Sciences / Chemical Sciences</a>   | 30      | 26          | 0.867               | 70        | 59          | 0.843               | 7811     | 3947        | 0.505               |
| 5          | 7       | 570    | 92809  | <a href="#">Mohamed Bouaziz</a>  |  Tunisia   | <a href="#">Université de Sfax</a>           | <a href="#">Agriculture &amp; Forestry / Agriculture</a><br>Analytical Chemistry Natural biomolecules  | 50      | 43          | 0.860               | 140       | 128         | 0.914               | 7629     | 5124        | 0.672               |
| 1          | 8       | 581    | 95146  | <a href="#">Elaloui Elimame</a><br>     |  Tunisia   | <a href="#">Université de Gafsa</a>          | <a href="#">Natural Sciences / Chemical Sciences</a><br>chemistry  | 28      | 23          | 0.821               | 66        | 52          | 0.788               | 7461     | 3642        | 0.488               |
| 1          | 9       | 616    | 100308 | <a href="#">Manef Abderrabba</a><br>    |  Tunisia   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Chemical Sciences</a><br>chimie théorique matériaux substances naturelles   | 41      | 32          | 0.780               | 137       | 115         | 0.839               | 7112     | 4794        | 0.674               |
| 6          | 10      | 656    | 105394 | <a href="#">Ali Bougatef</a>   |  Tunisia | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Technologie Alimentaire Biotechnologie  | 45      | 36          | 0.800               | 98        | 88          | 0.898               | 6801     | 4295        | 0.632               |
| 7          | 11      | 699    | 110145 | <a href="#">Essebti Dhahri</a>   |  Tunisia | <a href="#">Université de Sfax</a>           | <a href="#">Natural Sciences / Physics</a><br>Magnétisme diélectrique matériaux multifonctionnels énergie environnement  | 42      | 30          | 0.714               | 197       | 154         | 0.782               | 6532     | 4620        | 0.707               |
| 1          | 12      | 822    | 121723 | <a href="#">Mohamed Amri</a><br>      |  Tunisia | <a href="#">Université de Tunis el Manar</a> | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>Neurosciences - Neuropharmacologie- Ethnopharmacologie STAPS - Nutrition | 43      | 27          | 0.628               | 106       | 90          | 0.849               | 5948     | 3155        | 0.530               |
| 2          | 13      | 889    | 129561 | <a href="#">Lassaad El Mir</a><br>    |  Tunisia | <a href="#">Université de Gabès</a>          | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology  | 43      | 35          | 0.814               | 135       | 115         | 0.852               | 5606     | 4046        | 0.722               |
| 2          | 14      | 916    | 132225 | <a href="#">Chekir Leila</a>   |  Tunisia | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Molecular Biology &amp; Genetics</a><br>toxicologie biologie moléculaire environnement cancer biologie cellulaire                 | 39      | 29          | 0.744               | 125       | 95          | 0.760               | 5494     | 2963        | 0.539               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII D. Tunisia Top 100 Total Citiation Index |   |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University                                   | Subject  | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 2          | 15      | 993    | 139824 | <a href="#">Walid Mensi</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Economics &amp; Econometrics / Accounting &amp; Finance</a><br>Energy Finance Risk Management  | 38      | 38          | 1.000               | 82        | 82          | 1.000               | 5202     | 4869        | 0.936               |
| 3          | 17      | 1001   | 140412 | <a href="#">Habib Youssef</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Computer Networks Cyber physical systems Performance analysis Combinatorial optimization        | 28      | 20          | 0.714               | 83        | 42          | 0.506               | 5180     | 1868        | 0.361               |
| 1          | 16      | 999    | 140404 | <a href="#">Ameur Cherif</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de la Manouba</a>     | <a href="#">Medical and Health Sciences / Microbiology</a><br>Microbial resource management  | 35      | 29          | 0.829               | 79        | 70          | 0.886               | 5180     | 3017        | 0.582               |
| 3          | 18      | 1020   | 142682 | <a href="#">Tarek Mabrouki</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Mechanical Engineering Machining Manufacturing Modelling and Simulation Forming Processes | 36      | 31          | 0.861               | 69        | 60          | 0.870               | 5097     | 3311        | 0.650               |
| 2          | 19      | 1100   | 149830 | <a href="#">Mosbah Amlouk</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>       | <a href="#">Natural Sciences / Physics</a><br>Physics Thin Film Solar Cells Materials & NanoScience Engineering  | 39      | 29          | 0.744               | 127       | 89          | 0.701               | 4851     | 2785        | 0.574               |
| 1          | 20      | 1293   | 166620 | <a href="#">Khaled Ghedira</a>  |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>                       | <a href="#">Professeur d'informatique</a><br>Intelligence Artificielle   | 28      | 23          | 0.821               | 118       | 60          | 0.508               | 4347     | 2444        | 0.562               |
| 8          | 21      | 1295   | 166829 | <a href="#">Nejib Kallel</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>Climate and Environnement   | 26      | 20          | 0.769               | 42        | 31          | 0.738               | 4341     | 1246        | 0.287               |
| 9          | 22      | 1322   | 169358 | <a href="#">Tahar Mechichi</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sfax</a>           | <a href="#">Medical and Health Sciences / Microbiology</a><br>microbiology biotechnology biodegradation  | 35      | 28          | 0.800               | 63        | 58          | 0.921               | 4273     | 2462        | 0.576               |
| 4          | 23      | 1356   | 172452 | <a href="#">Hafedh Ben Ouada</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Physics</a><br>capteur  | 35      | 19          | 0.543               | 119       | 53          | 0.445               | 4190     | 1468        | 0.350               |
| 4          | 24      | 1357   | 172564 | <a href="#">Habib Elhouichet</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Nanoscience and Nanotechnology</a><br>Nanotechnology and Photonic Glasses   | 36      | 32          | 0.889               | 101       | 74          | 0.733               | 4187     | 2999        | 0.716               |
| 5          | 25      | 1358   | 172631 | <a href="#">Ridha Ben Cheikh</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a> | <a href="#">Engineering &amp; Technology / Metallurgical &amp; Materials Engineering</a><br>Science des Matériaux Biométhanisation et synthèse organique           | 23      | 17          | 0.739               | 37        | 23          | 0.622               | 4186     | 1658        | 0.396               |
| 5          | 26      | 1432   | 179168 | <a href="#">Maaref Hassen</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>       | <a href="#">Natural Sciences / Physics</a><br>solid state physics  | 31      | 17          | 0.548               | 137       | 59          | 0.431               | 4021     | 1637        | 0.407               |
| 10         | 27      | 1462   | 182006 | <a href="#">Semia Ellouz Chaabouni</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Medical and Health Sciences / Veterinary Sciences</a><br>biotechnologie  | 34      | 28          | 0.824               | 86        | 73          | 0.849               | 3951     | 2953        | 0.747               |
| 11         | 28      | 1466   | 182543 | <a href="#">Trabelsi Khaled</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>           | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>COVID-19 Sleep Physical activity Ramadan fasting Sport medicine            | 27      | 25          | 0.926               | 53        | 51          | 0.962               | 3939     | 3695        | 0.938               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII D. Tunisia Top 100 Total Citiation Index |   |   |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|---|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 12         | 29      | 1475   | 183311 | Kamel Zouari  |  Tunisia   | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Earth Sciences</a><br>hydrogeology isotopes geochemistry   | 35      | 23          | 0.657               | 96        | 66          | 0.688               | 3920     | 2014        | 0.514               |
| 3          | 30      | 1568   | 190983 | Nafaa Adhoum  |  Tunisia   | <a href="#">Université de Carthage</a>                                | <a href="#">Natural Sciences / Chemical Sciences</a><br>Electrochimie Chimie analytique Environnement   | 23      | 17          | 0.739               | 30        | 24          | 0.800               | 3748     | 1498        | 0.400               |
| 6          | 31      | 1743   | 206007 | Mohamed Benrejeb  |  Tunisia   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Automatic control-Stability-Arrow Form Matrix-Synchronisation-Handwriting system                       | 25      | 14          | 0.560               | 105       | 29          | 0.276               | 3444     | 1194        | 0.347               |
| 6          | 32      | 1758   | 206911 | Brahim Hnich  |  Tunisia   | <a href="#">Université de Monastir</a>                                | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Artificial Intelligence Constraint Programming Uncertainty   | 34      | 17          | 0.500               | 82        | 27          | 0.329               | 3427     | 933         | 0.272               |
| 1          | 33      | 1783   | 209366 | Mehdi Ben Jebli   |  Tunisia   | <a href="#">Université de Jendouba</a>                                | <a href="#">Fsjegj de jendouba, université de Jendouba</a><br>Énergies renouvelables et environnement   | 25      | 24          | 0.960               | 28        | 27          | 0.964               | 3383     | 3196        | 0.945               |
| 4          | 34      | 1785   | 209554 | Boussaid Mohamed  |  Tunisia   | <a href="#">Université de Carthage</a>                                | <a href="#">Natural Sciences / Biological Science</a><br>Biological Sciences Biodiversity   | 32      | 24          | 0.750               | 85        | 57          | 0.671               | 3379     | 2082        | 0.616               |
| 7          | 35      | 1795   | 210666 | Sadok Ben Yahia   |  Tunisia   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Artificial intelligence recommendation Systems Data Mining Ontology Engineering                        | 32      | 20          | 0.625               | 92        | 61          | 0.663               | 3359     | 1925        | 0.573               |
| 7          | 36      | 1871   | 216908 | Zine Mighri   |  Tunisia   | <a href="#">Université de Monastir</a>                                | <a href="#">Natural Sciences / Chemical Sciences</a><br>Recherche Scientifique  | 30      | 21          | 0.700               | 87        | 57          | 0.655               | 3247     | 1499        | 0.462               |
| 13         | 37      | 1994   | 225229 | Mohamed Damak   |  Tunisia   | <a href="#">Université de Sfax</a>                                    | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie des produits naturels  | 29      | 21          | 0.724               | 62        | 40          | 0.645               | 3111     | 1600        | 0.514               |
| 8          | 38      | 2000   | 225717 | Bahri Rezig   |  Tunisia   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Industrial &amp; Manufacturing Engineering</a><br>New Semiconductors Materials Thin Layered Structures Photovoltaics Photonics | 29      | 15          | 0.517               | 50        | 21          | 0.420               | 3103     | 902         | 0.291               |
| 9          | 39      | 2031   | 227989 | Walid Elfalleh  |  Tunisia   | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Food Science & Technology  | 26      | 25          | 0.962               | 69        | 59          | 0.855               | 3068     | 2317        | 0.755               |
| 1          | 40      | 2115   | 233246 | Chtourou Radhouane  |  Tunisia | <a href="#">Centre De Recherches Et Des Technologies De L'énergie</a> | <a href="#">Professeur</a><br>Recherche dans le domaine des nanomatériaux pour les énergies renouvelables   | 29      | 24          | 0.828               | 90        | 72          | 0.800               | 2986     | 2030        | 0.680               |
| 14         | 41      | 2117   | 233401 | Mohamed Jmaiel  |  Tunisia | <a href="#">Université de Sfax</a>                                    | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Distributed Software Adaptive Systems Dynamic Software Architecture                                    | 27      | 21          | 0.778               | 91        | 47          | 0.516               | 2984     | 1591        | 0.533               |
| 8          | 42      | 2143   | 235087 | Mohamed Farouk Mhenni   |  Tunisia | <a href="#">Université de Monastir</a>                                | <a href="#">Natural Sciences / Chemical Sciences</a><br>Recherche Scientifique  | 30      | 28          | 0.933               | 68        | 55          | 0.809               | 2958     | 1958        | 0.662               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII D. Tunisia Top 100 Total Citiation Index |         |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---------|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country | University   | Subject  | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 1          | 43      | 2179   | 237834 | Rahmani Salem   | Tunisia | Université de Tunis  | Engineering & Technology / Electrical & Electronic Engineering<br>Power Electronics  | 26      | 16          | 0.615               | 48        | 22          | 0.458               | 2918     | 1118        | 0.383               |
| 15         | 44      | 2191   | 238549 | Aref Jeribi   | Tunisia | Université de Sfax   | Natural Sciences / Mathematics<br>Operator theory Multivalued operator Fixed point theory Riesz basis Gribov operator in Bargmann space Transport operator Mat   | 31      | 17          | 0.548               | 90        | 49          | 0.544               | 2907     | 1539        | 0.529               |
| 1          | 45      | 2209   | 239540 | Mohamed Kharrat   | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Agriculture<br>agronomist   | 29      | 22          | 0.759               | 63        | 46          | 0.730               | 2893     | 1568        | 0.542               |
| 5          | 46      | 2210   | 239736 | Naceur Benhadj Braiek   | Tunisia | Université de Carthage   | Engineering & Technology / Electrical & Electronic Engineering<br>Electrical Engineering Automatic Control Modeling Optimization Stability and Complex Systems   | 26      | 18          | 0.692               | 83        | 45          | 0.542               | 2890     | 1614        | 0.558               |
| 16         | 47      | 2265   | 242631 | Abdennaceur Kachouri  | Tunisia | Université de Sfax   | Engineering & Technology / Electrical & Electronic Engineering<br>Signal processing for communications and networking  | 26      | 20          | 0.769               | 75        | 49          | 0.653               | 2850     | 2169        | 0.761               |
| 6          | 48      | 2273   | 243561 | Slim Bechikh  | Tunisia | Université de Carthage   | Engineering & Technology / Computer Science<br>Evolutionary algorithms Multi-objective Optimization Evolutionary Machine learning SBSE Algorithms                | 31      | 27          | 0.871               | 49        | 46          | 0.939               | 2836     | 2408        | 0.849               |
| 2          | 49      | 2383   | 251090 | Nourhene Boudhrioua Mihoubi   | Tunisia | Université de la Manouba   | Engineering & Technology / Food Science and Engineering<br>Food Engineering/Functional Food  | 29      | 24          | 0.828               | 41        | 35          | 0.854               | 2734     | 1730        | 0.633               |
| 2          | 50      | 2386   | 251339 | Lamjed Ben Said   | Tunisia | Université de Tunis  | Engineering & Technology / Computer Science<br>Artificial Intelligence Multi-agent Systems Evolutionary Multiobjective Optimization Simulation Decision Analysis | 26      | 24          | 0.923               | 60        | 52          | 0.867               | 2731     | 2174        | 0.796               |
| 17         | 51      | 2397   | 251831 | Abid Younes   | Tunisia | Université de Sfax   | Natural Sciences / Physics<br>Matériaux hybrides Optoélectronique Luminescence DFT   | 31      | 25          | 0.806               | 67        | 56          | 0.836               | 2724     | 1891        | 0.694               |
| 18         | 52      | 2421   | 253569 | Samir Bouaziz   | Tunisia | Université de Sfax   | Engineering & Technology / Earth Sciences<br>geology   | 26      | 19          | 0.731               | 53        | 33          | 0.623               | 2702     | 1350        | 0.500               |
| 10         | 53      | 2558   | 262521 | Noureddine Ellouze  | Tunisia | Université de Tunis el Manar   | Engineering & Technology / Electrical & Electronic Engineering<br>Laboratoire Signal Image et Technologies de l'Information                                      | 22      | 13          | 0.591               | 51        | 16          | 0.314               | 2589     | 956         | 0.369               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII D. Tunisia Top 100 Total Citiation Index |   |   |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|---|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
|            |         |        |        |   |   |   |   |         |             |                     |           |             |                     |          |             |                     |
| 1          | 54      | 2605   | 265400 | Faouzi Sakli  |  <a href="#">Tunisia</a>   | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal | <a href="#">Engineering &amp; Technology / Textile Engineering</a><br>Génie textile   | 26      | 20          | 0.769               | 65        | 47          | 0.723               | 2554     | 1592        | 0.623               |
| 2          | 55      | 2626   | 266836 | Brahim Bessais  |  <a href="#">Tunisia</a>   | Centre De Recherches Et Des Technologies De L'énergie         | <a href="#">Professeur de Physique, CRTEn</a><br>semi-conducteurs nanomatériaux nanotechnologie cellules solaires capteurs  | 27      | 17          | 0.630               | 82        | 41          | 0.500               | 2537     | 1303        | 0.514               |
| 1          | 56      | 2639   | 267630 | Khalil Amiri  |  <a href="#">Tunisia</a>   | Mediterranean Institute of Technology                         | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Data management distributed computing public governance quality assurance science technology & innovation policy | 19      | 9           | 0.474               | 24        | 9           | 0.375               | 2528     | 298         | 0.118               |
| 3          | 57      | 2677   | 269927 | Lassaad Sbita   |  <a href="#">Tunisia</a>   | Université de Gabès   | <a href="#">Engineering &amp; Technology / Energy Engineering</a><br>renewable energies   | 25      | 19          | 0.760               | 75        | 54          | 0.720               | 2501     | 1800        | 0.720               |
| 9          | 58      | 2686   | 270440 | Hatem Majdoub   |  <a href="#">Tunisia</a>   | Université de Monastir  | <a href="#">Natural Sciences / Chemical Sciences</a><br>Biopolymers medicinal Chemistry natural products.   | 27      | 26          | 0.963               | 58        | 57          | 0.983               | 2495     | 2165        | 0.868               |
| 7          | 59      | 2699   | 271089 | Maher Gtari   |  <a href="#">Tunisia</a>   | Université de Carthage  | <a href="#">Medical and Health Sciences / Bacteriology</a><br>Bacterial Ecology and Evolution   | 32      | 22          | 0.688               | 75        | 60          | 0.800               | 2488     | 1561        | 0.627               |
| 3          | 60      | 2702   | 271274 | Habib Sidhom  |  <a href="#">Tunisia</a>   | Université de Tunis   | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>material manufacturing and mechanical engineering  | 27      | 21          | 0.778               | 47        | 37          | 0.787               | 2486     | 1247        | 0.502               |
| 2          | 61      | 2771   | 275316 | Mekki Ksouri  |  <a href="#">Tunisia</a> | ESPRIT  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>automatique commande adaptative systèmes non linéaires systèmes complexes surveillance    | 23      | 12          | 0.522               | 67        | 15          | 0.224               | 2441     | 900         | 0.369               |
| 11         | 62      | 2785   | 276370 | Hadda-Imene Ouzari  |  <a href="#">Tunisia</a> | Université de Tunis el Manar                                  | <a href="#">Medical and Health Sciences / Microbiology</a><br>Microbiologie bioremédiation écologie microbienne   | 27      | 23          | 0.852               | 51        | 43          | 0.843               | 2429     | 1527        | 0.629               |
| 10         | 63      | 2809   | 278350 | Malek Mazouz  |  <a href="#">Tunisia</a> | Université de Monastir  | <a href="#">Natural Sciences / Physics</a><br>nuclear physics   | 14      | 14          | 1.000               | 17        | 17          | 1.000               | 2408     | 895         | 0.372               |
| 12         | 64      | 2971   | 287584 | Nizar Nasri   |  <a href="#">Tunisia</a> | Université de Tunis el Manar                                  | <a href="#">Natural Sciences / Biological Science</a><br>Biologie Environnement   | 23      | 19          | 0.826               | 43        | 33          | 0.767               | 2312     | 1471        | 0.636               |
| 1          | 65      | 3015   | 290290 | Essoukri Ben Amara Najoua   |  <a href="#">Tunisia</a> | Université de Sousse  | <a href="#">Engineering &amp; Technology / Engineering</a><br>Pattern recognition Document analysis Multimodal biometric Computer vision Medical image processing                   | 26      | 19          | 0.731               | 72        | 44          | 0.611               | 2285     | 1390        | 0.608               |
| 19         | 66      | 3024   | 290666 | Makki Abdelmouleh   |  <a href="#">Tunisia</a> | Université de Sfax  | <a href="#">Natural Sciences / Chemical Sciences</a><br>matériaux   | 11      | 10          | 0.909               | 11        | 10          | 0.909               | 2282     | 1080        | 0.473               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII D. Tunisia Top 100 Total Citiation Index                                    |         |                              |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---------|------------------------------|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country | University                   | Subject   | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 2          | 67      | 3041   | 291739 | Hichem Sebai<br>                | Tunisia | Université de Jendouba       | Medical and Health Sciences / Nutrition and Dietetics<br>Nutrition physiologie animale valorisation des biomolécules  | 29      | 24          | 0.828               | 61        | 57          | 0.934               | 2270     | 1746        | 0.769               |
| 11         | 68      | 3055   | 292249 | Hafedh Belmabrouk<br>           | Tunisia | Université de Monastir       | Engineering & Technology / Mechanical Engineering<br>Fluid Mechanics Heat Transfer Microfluidics Material Science   | 26      | 23          | 0.885               | 68        | 58          | 0.853               | 2265     | 1914        | 0.845               |
| 12         | 69      | 3074   | 293068 | Ramzi Khiari<br>                | Tunisia | Université de Monastir       | Engineering & Technology / Textile Engineering<br>Textile and papermaking cellulose nanocomposite Nanocellulose and Nanomaterials Nanofibrillated cellulose and Nanocrystal | 26      | 23          | 0.885               | 44        | 40          | 0.909               | 2257     | 1807        | 0.801               |
| 4          | 70      | 3078   | 293209 | Rhouma Rhouma<br>               | Tunisia | Université de Gabès          | Engineering & Technology / Computer Science<br>Telecommunications Computer Science Cryptography Watermarking Steganography  | 23      | 18          | 0.783               | 29        | 23          | 0.793               | 2256     | 1220        | 0.541               |
| 8          | 71      | 3088   | 293779 | Khémais Ben Rhouma<br>          | Tunisia | Université de Carthage       | Medical and Health Sciences / Physiology<br>Physiology of Reproduction Integrated Physiology  | 29      | 21          | 0.724               | 53        | 41          | 0.774               | 2250     | 1205        | 0.536               |
| 4          | 72      | 3136   | 296237 | Zied Ftili<br>                  | Tunisia | Université de Tunis          | Business & Management / Business Administration<br>Monney Macroeconomics Finance Econometrics   | 22      | 20          | 0.909               | 44        | 39          | 0.886               | 2226     | 1888        | 0.848               |
| 13         | 73      | 3296   | 305476 | Raouf Bennaceur<br>             | Tunisia | Université de Tunis el Manar | Natural Sciences / Physics<br>Physique des Solides Nanosciences   | 26      | 12          | 0.462               | 50        | 14          | 0.280               | 2140     | 550         | 0.257               |
| 3          | 74      | 3312   | 306290 | Faouzi Ghorbel<br>              | Tunisia | Université de la Manouba     | Engineering & Technology / Computer Science<br>Machine Learning Pattern recognition Geometric computation Pdf estimation classification                                     | 21      | 10          | 0.476               | 41        | 13          | 0.317               | 2133     | 528         | 0.248               |
| 5          | 75      | 3318   | 306778 | Abdelmottaleb Ouederni<br>      | Tunisia | Université de Gabès          | Engineering & Technology / Industrial & Manufacturing Engineering<br>activated carbon/gaz storage/microreactors/ozone/adsorption/catalysis                                  | 26      | 22          | 0.846               | 49        | 43          | 0.878               | 2128     | 1795        | 0.844               |
| 20         | 76      | 3325   | 306989 | Slim Abdelkafi<br>            | Tunisia | Université de Sfax           | Engineering & Technology / Environmental Science & Engineering<br>Microbiologie de l'Environnement  | 30      | 22          | 0.733               | 63        | 53          | 0.841               | 2126     | 1631        | 0.767               |
| 21         | 77      | 3362   | 308779 | Abdelmajid Ben Hamadou<br>    | Tunisia | Université de Sfax           | Engineering & Technology / Computer Science<br>Natural Language Processing (Arabic) Information retrieval Semantic Web Social Media mining                                  | 21      | 14          | 0.667               | 57        | 24          | 0.421               | 2111     | 973         | 0.461               |
| 4          | 78      | 3363   | 308808 | Henda Hajjami Ben Ghezala<br> | Tunisia | Université de la Manouba     | Medical and Health Sciences / Medical Genetics<br>Génie logiciel Internet des objets smart city processus collaboratifs TICE  | 18      | 12          | 0.667               | 58        | 23          | 0.397               | 2111     | 1200        | 0.568               |
| 14         | 79      | 3551   | 319462 | Oum Kalthoum Ben Hassine<br>  | Tunisia | Université de Tunis el Manar | Natural Sciences / Biological Science<br>Biologie marine écologie marine écotoxicologie   | 23      | 15          | 0.652               | 62        | 26          | 0.419               | 2018     | 790         | 0.391               |
| 22         | 80      | 3579   | 321229 | Nouri Masmoudi<br>            | Tunisia | Université de Sfax           | Engineering & Technology / Electrical & Electronic Engineering<br>Electronique Numerique vidéo  | 19      | 13          | 0.684               | 60        | 21          | 0.350               | 2004     | 906         | 0.452               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII D. Tunisia Top 100 Total Citiation Index |         |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---------|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country | University   | Subject  | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 23         | 81      | 3588   | 321912 | Lamia Chaari Fourati  | Tunisia | Université de Sfax   | Engineering & Technology / Computer Science<br>UAVs and vehicular Networks Wireless and Mobile Networks Security Trust and Blockchain Information Centric Network Cyber phy        | 21      | 20          | 0.952               | 63        | 48          | 0.762               | 1998     | 1528        | 0.765               |
| 2          | 82      | 3604   | 322758 | Naziha Atti   | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Medical and Health Sciences / Nursing and Midwifery<br>Sciences des productions animales Systèmes de production Qualité du produit   | 26      | 20          | 0.769               | 48        | 32          | 0.667               | 1990     | 1006        | 0.506               |
| 3          | 83      | 3627   | 323859 | Nabil Souissi   | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Fisheries<br>Fish quality   | 24      | 19          | 0.792               | 33        | 29          | 0.879               | 1981     | 1257        | 0.635               |
| 24         | 84      | 3636   | 324353 | Lamia Hadrich Belguith  | Tunisia | Université de Sfax   | Engineering & Technology / Computer Science<br>Arabic Natural Language Processing Automatic summarization Question-Answering Automatic translation Arabic speech processing        | 23      | 16          | 0.696               | 56        | 42          | 0.750               | 1977     | 1262        | 0.638               |
| 13         | 85      | 3688   | 327105 | Moncef Said   | Tunisia | Université de Monastir   | Natural Sciences / Physics<br>Physics condensed matter theory material science semiconductors  | 21      | 13          | 0.619               | 70        | 22          | 0.314               | 1955     | 825         | 0.422               |
| 14         | 86      | 3791   | 331900 | Mustapha Majdoub  | Tunisia | Université de Monastir   | Natural Sciences / Chemical Sciences<br>sciences   | 22      | 15          | 0.682               | 52        | 27          | 0.519               | 1917     | 790         | 0.412               |
| 15         | 87      | 3855   | 335990 | Hassen Aydi   | Tunisia | Université de Monastir   | Natural Sciences / Mathematics<br>Operatot Theory Functional Analysis Fixed Point Theory Nonlinear Analysis PDE  | 10      | 10          | 1.000               | 10        | 10          | 1.000               | 1886     | 818         | 0.434               |
| 16         | 88      | 3945   | 341852 | Ahmed Bellagi   | Tunisia | Université de Monastir   | Natural Sciences / Chemical Sciences<br>Thermodynamique des procédés modélisation et simulation froid solaire  | 25      | 16          | 0.640               | 53        | 35          | 0.660               | 1842     | 888         | 0.482               |
| 15         | 89      | 3971   | 343423 | Yahya Slimani   | Tunisia | Université de Tunis el Manar   | Engineering & Technology / Computer Science<br>Parallel and Distributed systems Cloud Computing Parallel and Distributed Data Mining Information Retrieval                         | 20      | 15          | 0.750               | 53        | 27          | 0.509               | 1831     | 934         | 0.510               |
| 25         | 90      | 4091   | 349269 | Jamel Bouaziz   | Tunisia | Université de Sfax   | Engineering & Technology / Metallurgical & Materials Engineering<br>Materials Science and Engineering  | 24      | 18          | 0.750               | 65        | 44          | 0.677               | 1789     | 1022        | 0.571               |
| 17         | 91      | 4121   | 350447 | Abdellatif Mtibaa   | Tunisia | Université de Monastir   | Engineering & Technology / Electrical & Electronic Engineering<br>électronique embarqué intelligence artificielle Reconfiguration dynamique des FPGA Architectures reconfigurables | 21      | 19          | 0.905               | 59        | 34          | 0.576               | 1781     | 1180        | 0.663               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII D. Tunisia Top 100 Total Citiation Index |   |  |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|--|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University                             | Subject   | Total   | Last 5 year | Last 5 year L total | Total     | Last 5 year | Last 5 year L total | Total    | Last 5 year | Last 5 year L total |
| 18         | 92      | 4140   | 351035 | <a href="#">Hassani Messaoud</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a> | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a>  | 20      | 16          | 0.800               | 57        | 37          | 0.649               | 1777     | 1190        | 0.670               |
| 26         | 93      | 4146   | 351433 | <a href="#">Med Salim Bouhlel</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>     | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Image processing Encryption Watermarking Telecommunication Human Machine Interaction               | 20      | 15          | 0.750               | 49        | 24          | 0.490               | 1774     | 1125        | 0.634               |
| 19         | 94      | 4168   | 352764 | <a href="#">Kais Ammari</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a> | <a href="#">Natural Sciences / Mathematics</a><br>Control Theory PDE  | 21      | 17          | 0.810               | 39        | 31          | 0.795               | 1765     | 928         | 0.526               |
| 20         | 95      | 4222   | 355802 | <a href="#">Med Borjini</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a> | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>fluide thermique   | 26      | 19          | 0.731               | 49        | 39          | 0.796               | 1744     | 1333        | 0.764               |
| 27         | 96      | 4246   | 356865 | <a href="#">Mohamed Makni</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>     | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>Toxicologie Nutrition Pharmacologie   | 23      | 22          | 0.957               | 30        | 27          | 0.900               | 1737     | 1122        | 0.646               |
| 9          | 97      | 4343   | 361654 | <a href="#">Mohamed Gargouri</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a> | <a href="#">Agriculture &amp; Forestry / Agricultural Biotechnology</a><br>Biotechnology  | 24      | 16          | 0.667               | 47        | 28          | 0.596               | 1705     | 917         | 0.538               |
| 2          | 98      | 4377   | 363319 | <a href="#">Riad Ben Mansour</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Gafsa</a>    | <a href="#">Université de Gafsa</a><br>Biotechnologie Stress oxydant Immunologie  | 20      | 18          | 0.900               | 27        | 22          | 0.815               | 1695     | 1114        | 0.657               |
| 10         | 99      | 4422   | 366007 | <a href="#">Chaouki Aouiti</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Carthage</a> | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Neural networks Nonlinear systems Computational intelligence Theory Stability Theory Delay Systems | 25      | 23          | 0.920               | 58        | 53          | 0.914               | 1677     | 1560        | 0.930               |
| 21         | 100     | 4438   | 366493 | <a href="#">Habib Nasri</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a> | <a href="#">Natural Sciences / Chemical Sciences</a><br>Chimie  | 21      | 15          | 0.714               | 44        | 29          | 0.659               | 1674     | 725         | 0.433               |

**Table VII E. Tunisia Top 100 Last 5 Years Citiation Index**

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index |   |   |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|---|---|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country   | University  | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 16      | 900    | 108607 | Mehdi Ben Jebli   |  Tunisia   | Université de Jendouba                                | Fsjegji de jendouba, université de Jendouba<br>Énergies renouvelables et environnement   | 25      | 24          | 0.960               | 28        | 27          | 0.964               | 3383     | 3196        | 0.945               |
| 1          | 24      | 1306   | 147616 | Khaled Ghedira  |  Tunisia   | ESPRIT  | Professeur d'informatique<br>Intelligence Artificielle   | 28      | 23          | 0.821               | 118       | 60          | 0.508               | 4347     | 2444        | 0.562               |
| 1          | 357     | 24826  | 902455 | Rim Gouia Zarrad  |  Tunisia   | Mediterranean Institute Of Technology (MEDTECH)       | Mediterranean Institute Of Technology (MEDTECH)<br>Integral Geometry Medical Imaging Radon transforms Deep Learning  | 7       | 7           | 1.000               | 7         | 6           | 0.857               | 227      | 150         | 0.661               |
| 1          | 27      | 1539   | 167857 | Lamjed Ben Said   |  Tunisia   | Université de Tunis                                   | Engineering & Technology / Computer Science<br>Artificial Intelligence Multi-agent Systems Evolutionary Multiobjective Optimization Simulation Decision Analysis | 26      | 24          | 0.923               | 60        | 52          | 0.867               | 2731     | 2174        | 0.796               |
| 1          | 11      | 647    | 81552  | Lassaad El Mir  |  Tunisia   | Université de Gabès                                   | Engineering & Technology / Nanoscience and Nanotechnology<br>Nanotechnology  | 43      | 35          | 0.814               | 135       | 115         | 0.852               | 5606     | 4046        | 0.722               |
| 1          | 14      | 749    | 92935  | Elaloui Elimame   |  Tunisia   | Université de Gafsa                                   | Natural Sciences / Chemical Sciences<br>chemistry  | 28      | 23          | 0.821               | 66        | 52          | 0.788               | 7461     | 3642        | 0.488               |
| 1          | 378     | 28114  | 937199 | Anouar Abidi  |  Tunisia   | Université Centrale                                   | Ph.D. in Biology (Animal Physiology)<br>Physiology Respiratory Bioactive substances  | 6       | 6           | 1.000               | 5         | 4           | 0.800               | 122      | 118         | 0.967               |
| 1          | 272     | 15994  | 741374 | Abdellaoui Raoudha  |  Tunisia  | Institut des Régions Arides de Médenine               | Medical and Health Sciences / Physiology<br>Physiologie Végétales des plantes spontanées des zones arides et désertiques   | 14      | 11          | 0.786               | 21        | 13          | 0.619               | 444      | 307         | 0.691               |
| 1          | 31      | 1710   | 180734 | Chtourou Radhouane  |  Tunisia | Centre De Recherches Et Des Technologies De L'énergie | Professeur<br>Recherche dans le domaine des nanomatériaux pour les énergies renouvelables  | 29      | 24          | 0.828               | 90        | 72          | 0.800               | 2986     | 2030        | 0.680               |
| 1          | 18      | 982    | 116355 | Ameur Cherif  |  Tunisia | Université de la Manouba                              | Medical and Health Sciences / Microbiology<br>Microbial resource management  | 35      | 29          | 0.829               | 79        | 70          | 0.886               | 5180     | 3017        | 0.582               |
| 1          | 6       | 492    | 65556  | Manef Abderrabba  |  Tunisia | Université de Carthage                                | Natural Sciences / Chemical Sciences<br>chimie théorique matériaux substances naturelles   | 41      | 32          | 0.780               | 137       | 115         | 0.839               | 7112     | 4794        | 0.674               |
| 1          | 1       | 140    | 16134  | Moncef Nasri  |  Tunisia | Université de Sfax                                    | Engineering & Technology / Food Science and Engineering<br>Biopeptides Proteases Lipopeptides  | 70      | 56          | 0.800               | 347       | 304         | 0.876               | 19019    | 12463       | 0.655               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index   |                         |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|---|-------------------------|--|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name  | Country                 | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 234     | 12740  | 654232 | <a href="#">Imed Hammouda</a><br>  | <a href="#">Tunisia</a> | <a href="#">Mediterranean Institute of Technology</a>                                | <a href="#">Engineering &amp; Technology / Engineering Software Engineering </a>   | 16      | 10          | 0.625               | 29        | 12          | 0.414               | 857      | 405         | 0.473               |
| 1          | 51      | 2502   | 234687 | <a href="#">Mohamed Kharrat</a><br>  | <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Agriculture &amp; Forestry / Agriculture agronomist </a>   | 29      | 22          | 0.759               | 63        | 46          | 0.730               | 2893     | 1568        | 0.542               |
| 1          | 8       | 534    | 71035  | <a href="#">Sassi Ben Nasrallah</a><br><br> | <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Engineering &amp; Technology / Engineering Energy Fluid Mechanics Heat and Mass Transfer Modelling </a>  | 51      | 36          | 0.706               | 184       | 119         | 0.647               | 9584     | 4505        | 0.470               |
| 1          | 148     | 7707   | 490401 | <a href="#">Sejir Khojet El Khil</a><br>   | <a href="#">Tunisia</a> | <a href="#">Institut Supérieur des Etudes Technologiques ISET'COM</a>                | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering Electrical engineering </a>   | 12      | 10          | 0.833               | 15        | 11          | 0.733               | 795      | 651         | 0.819               |
| 1          | 151     | 7751   | 492195 | <a href="#">Slimane Gabsi</a><br>  | <a href="#">Tunisia</a> | <a href="#">Institut Supérieur des Etudes Technologiques ISET Sfax</a>               | <a href="#">Engineering &amp; Technology / Energy Engineering Solar energy heat and mass transfer applied thermodynamic Olive oil process membrane distillation </a> | 19      | 14          | 0.737               | 32        | 25          | 0.781               | 973      | 647         | 0.665               |
| 1          | 5       | 479    | 64257  | <a href="#">Walid Mensi</a><br>   | <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Economics &amp; Econometrics / Accounting &amp; Finance Energy Finance Risk Management </a>  | 38      | 38          | 1.000               | 82        | 82          | 1.000               | 5202     | 4869        | 0.936               |
| 1          | 62      | 2950   | 263366 | <a href="#">Essoukri Ben Amara Najoua</a><br>  | <a href="#">Tunisia</a> | <a href="#">Université de Sousse</a>   | <a href="#">Engineering &amp; Technology / Engineering Pattern recognition Document analysis Multimodal biometric Computer vision Medical image processing </a>      | 26      | 19          | 0.731               | 72        | 44          | 0.611               | 2285     | 1390        | 0.608               |
| 1          | 49      | 2443   | 231358 | <a href="#">Faouzi Sakli</a><br>   | <a href="#">Tunisia</a> | <a href="#">Institut Supérieur des Etudes Technologiques ISET Ksar Hellal</a>        | <a href="#">Engineering &amp; Technology / Textile Engineering Génie textile </a>  | 26      | 20          | 0.769               | 65        | 47          | 0.723               | 2554     | 1592        | 0.623               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index |         |  |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
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|            |         |        |        | Name  | Country | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 1          | 163     | 8454   | 518798 | Mahmoud Hamouda   | Tunisia | Institut Supérieur des Etudes Technologiques ISET Sousse             | Engineering & Technology / Electrical & Electronic Engineering<br>power electronics grid-tie converters renewable energy smart grid | 15      | 13          | 0.867               | 23        | 15          | 0.652               | 819      | 599         | 0.731               |
| 2          | 22      | 1104   | 127568 | Mosbah Amlouk   | Tunisia | Université de Carthage   | Natural Sciences / Physics<br>Physics Thin Film Solar Cells Materials & NanoScience Engineering                                     | 39      | 29          | 0.744               | 127       | 89          | 0.701               | 4851     | 2785        | 0.574               |
| 2          | 297     | 17739  | 782115 | Imed Salhi  | Tunisia | Institut des Régions Arides de Médenine                              | Medical and Health Sciences / Immunology<br>Immunology antibody engineering heavy chain antibodies cancer immunotherapy             | 10      | 10          | 1.000               | 10        | 10          | 1.000               | 452      | 266         | 0.588               |
| 2          | 42      | 2138   | 211288 | Hichem Sebai  | Tunisia | Université de Jendouba   | Medical and Health Sciences / Nutrition and Dietetics<br>Nutrition physiologie animale valorisation des biomolécules                | 29      | 24          | 0.828               | 61        | 57          | 0.934               | 2270     | 1746        | 0.769               |
| 2          | 2       | 263    | 33741  | Sami Boufi  | Tunisia | Université de Sfax   | Natural Sciences / Chemical Sciences<br>nanocelluloses cellulose nanofibrils nanocomposite composites                               | 60      | 48          | 0.800               | 161       | 146         | 0.907               | 11790    | 7719        | 0.655               |
| 2          | 67      | 3221   | 280755 | Hamed Daly-Hassen   | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Economics & Econometrics / Economics<br>Economie forestière Economie des ressources naturelles                                      | 11      | 8           | 0.727               | 11        | 7           | 0.636               | 1492     | 1297        | 0.869               |
| 2          | 99      | 4755   | 363537 | Slah Msahli   | Tunisia | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal        | Engineering & Technology / Textile Engineering<br>Textile sciences des matériaux  | 20      | 15          | 0.750               | 39        | 28          | 0.718               | 1521     | 964         | 0.634               |
| 2          | 43      | 2173   | 213179 | Nourhene Boudhrioua Mihoubi   | Tunisia | Université de la Manouba   | Engineering & Technology / Food Science and Engineering<br>Food Engineering/Functional Food   | 29      | 24          | 0.828               | 41        | 35          | 0.854               | 2734     | 1730        | 0.633               |
| 2          | 81      | 3668   | 306960 | Mohamed Ali Mahjoub   | Tunisia | Université de Sousse   | Engineering & Technology / Computer Science<br>Image analysis pattern recognition machine learning predictive intelligence          | 19      | 18          | 0.947               | 41        | 32          | 0.780               | 1358     | 1174        | 0.865               |

| University | Country | Region | World   | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index |   |  |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
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|            |         |        |         | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 109     | 5178   | 384594  | Mekki Ksouri  |  Tunisia   | ESPRIT   | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>automatique commande adaptative systèmes non linéaires systèmes complexes surveillance    | 23      | 12          | 0.522               | 67        | 15          | 0.224               | 2441     | 900         | 0.369               |
| 2          | 37      | 1910   | 195075  | Zied Fiti   |  Tunisia   | Université de Tunis                                      | <a href="#">Business &amp; Management / Business Administration</a><br>Monney Macroeconomics Finance Econometrics   | 22      | 20          | 0.909               | 44        | 39          | 0.886               | 2226     | 1888        | 0.848               |
| 2          | 397     | 32143  | 969089  | Maher Rahmouni  |  Tunisia   | Université Centrale                                      | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Machine Learning Natural Language Processing Optimization  | 12      | 5           | 0.417               | 15        | 0           | 0.000               | 550      | 87          | 0.158               |
| 2          | 359     | 25359  | 908927  | Mohamed Amin Ben Sassi  |  Tunisia   | Mediterranean Institute Of Technology                    | <a href="#">Mediterranean Institute of Technology</a><br>Control theory Hybrid systems Optimization Formal methods  | 8       | 7           | 0.875               | 5         | 5           | 1.000               | 228      | 144         | 0.632               |
| 2          | 278     | 16367  | 750375  | Khalil Amiri  |  Tunisia   | Mediterranean Institute of Technology                    | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Data management distributed computing public governance quality assurance science technology & innovation policy | 19      | 9           | 0.474               | 24        | 9           | 0.375               | 2528     | 298         | 0.118               |
| 2          | 277     | 16350  | 750089  | Ahmed Ben Ayed  |  Tunisia   | Institut Supérieur des Etudes Technologiques ISET'COM    | <a href="#">Higher Institute for Technology Studies in Communications of Tunis (Isset'Com)</a><br>Blockchain IoT Security Android Security Malware Analysis Information Security    | 4       | 4           | 1.000               | 3         | 2           | 0.667               | 302      | 299         | 0.990               |
| 2          | 444     | 42405  | 1025220 | Ibrahim Mlaouhi   |  Tunisia | Institut Supérieur des Etudes Technologiques ISET Sousse | <a href="#">ENISo / ISETSo</a><br>Design optimization Vibration Rotor dynamics  | 1       | 1           | 1.000               | 0         | 0           | 0                   | 1        | 1           | 1.000               |
| 2          | 346     | 23273  | 882463  | Abderrahmen Guermazi  |  Tunisia | Institut Supérieur des Etudes Technologiques ISET Sfax   | <a href="#">Professeur Technologue, ISET Sfax</a><br>réseaux de capteurs sans fil internet des objets sécurité routage  | 8       | 8           | 1.000               | 5         | 4           | 0.800               | 178      | 169         | 0.949               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index |         |   |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
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|            |         |        |        | Name  | Country | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 2          | 66      | 3204   | 279504 | Brahim Bessais  | Tunisia | Centre De Recherches Et Des Technologies De L'énergie | Professeur de Physique, CRTEn semi-conducteurs nanomatériaux nanotechnologie cellules solaires capteurs   | 27      | 17          | 0.630               | 82        | 41          | 0.500               | 2537     | 1303        | 0.514               |
| 2          | 61      | 2843   | 256654 | Younes Hamed  | Tunisia | Université de Gafsa                                   | Agriculture & Forestry / Soil and Water Engineering and Conservation Hydrogeology isotopic geochemistry climate change  | 26      | 24          | 0.923               | 40        | 38          | 0.950               | 1611     | 1428        | 0.886               |
| 2          | 15      | 859    | 104174 | Tarek Mabrouki  | Tunisia | Université de Tunis el Manar                          | Engineering & Technology / Mechanical Engineering Mechanical Engineering Machining Manufacturing Modelling and Simulation Forming Processes                   | 36      | 31          | 0.861               | 69        | 60          | 0.870               | 5097     | 3311        | 0.650               |
| 2          | 20      | 1008   | 118866 | Chekir Leila  | Tunisia | Université de Monastir                                | Natural Sciences / Molecular Biology & Genetics toxicologie biologie moléculaire environnement cancer biologie cellulaire                                     | 39      | 29          | 0.744               | 125       | 95          | 0.760               | 5494     | 2963        | 0.539               |
| 2          | 12      | 665    | 84062  | Ammar Houas   | Tunisia | Université de Gabès                                   | Natural Sciences / Chemical Sciences  | 30      | 26          | 0.867               | 70        | 59          | 0.843               | 7811     | 3947        | 0.505               |
| 3          | 389     | 30648  | 958816 | Mohamed Mabrouk   | Tunisia | Institut Supérieur des Etudes Technologiques ISET'COM | Maître de Conférences en Télécommunications à l'ISETCOM de Tunis RF-µWaves-mmWaves Passive Devices Antennas RFID-IoT 5G                                       | 7       | 5           | 0.714               | 1         | 0           | 0.000               | 168      | 98          | 0.583               |
| 3          | 380     | 28615  | 941958 | Nadir Ben Halima  | Tunisia | Mediterranean Institute Of Technology                 | Associate Professor of ICT, Mediterranean Institute of Technology, Tunisia Wireless Communications Internet of things Cyber Security Cognitive Radio Networks | 6       | 5           | 0.833               | 4         | 3           | 0.750               | 132      | 114         | 0.864               |
| 3          | 331     | 21217  | 850276 | L Costelle  | Tunisia | Mediterranean Institute of Technology                 | Natural Sciences / Physics Physics Renewable Energies Natural Resources Sustainability  | 9       | 7           | 0.778               | 9         | 7           | 0.778               | 421      | 200         | 0.475               |
| 3          | 40      | 2050   | 204855 | Lassaad Sbita   | Tunisia | Université de Gabès                                   | Engineering & Technology / Energy Engineering renewable energies  | 25      | 19          | 0.760               | 75        | 54          | 0.720               | 2501     | 1800        | 0.720               |
| 3          | 86      | 3941   | 321190 | Riadh Ben Mansour   | Tunisia | Université de Gafsa                                   | Université de Gafsa Biotechnologie Stress oxydant Immunologie   | 20      | 18          | 0.900               | 27        | 22          | 0.815               | 1695     | 1114        | 0.657               |

| University | Country | Region | World   | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index |   |  |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
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|            |         |        |         | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 3          | 421     | 37627  | 999364  | Tlili Ons   |  Tunisia   | Université Centrale  | Dr. Ing en Génie Energétique (ENIM) . Université Centrale. Honoris United Universities<br>Thermique des procédés Industriels CFD Energies nouvelles et renouvelables Fire Compartment Study | 4       | 3           | 0.750               | 3         | 2           | 0.667               | 64       | 50          | 0.781               |
| 3          | 438     | 41343  | 1019322 | Narjes Ben Salah Chaabane   |  Tunisia   | Institut Supérieur des Etudes Technologiques ISET Sfax               | Higher Institute of Technological Studies of Sfax<br>Hydrology  | 1       | 1           | 1.000               | 1         | 1           | 1.000               | 16       | 15          | 0.938               |
| 3          | 74      | 3466   | 295130  | Salwa Bouadila  |  Tunisia   | Centre De Recherches Et Des Technologies De L'énergie                | Maitre Assistant Énergétique au Laboratoire des Procédés Thermiques / CRTEn<br>Stockage de l'énergie Conditionnement des serre agricoles Energie solaire                                    | 19      | 18          | 0.947               | 23        | 21          | 0.913               | 1399     | 1227        | 0.877               |
| 3          | 3       | 400    | 52629   | Souhail Besbes  |  Tunisia   | Université de Sfax   | Engineering & Technology / Food Science and Engineering<br>food science and technology  | 45      | 38          | 0.844               | 101       | 83          | 0.822               | 9008     | 5667        | 0.629               |
| 3          | 306     | 18298  | 794473  | Amor Gaddour  |  Tunisia   | Institut des Régions Arides de Médenine                              | Medical and Health Sciences / Medical Genetics<br>Génétique Animale   | 13      | 9           | 0.692               | 20        | 7           | 0.350               | 538      | 254         | 0.472               |
| 3          | 68      | 3229   | 281282  | Bessem Mkaouer  |  Tunisia   | Université de la Manouba   | Social Sciences / Higher Education Studies<br>Gymnastics Biomechanics Sport Physiology Didactic of Sports Training  | 18      | 17          | 0.944               | 23        | 23          | 1.000               | 1553     | 1294        | 0.833               |
| 3          | 70      | 3365   | 288825  | Nabil Souissi   |  Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Fisheries<br>Fish quality  | 24      | 19          | 0.792               | 33        | 29          | 0.879               | 1981     | 1257        | 0.635               |
| 3          | 29      | 1553   | 168576  | Hatem Majdoub   |  Tunisia | Université de Monastir   | Natural Sciences / Chemical Sciences<br>Biopolymers medicinal Chemistry natural products.   | 27      | 26          | 0.963               | 58        | 57          | 0.983               | 2495     | 2165        | 0.868               |
| 3          | 123     | 5973   | 419575  | Neji Ladhari  |  Tunisia | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal        | Natural Sciences / Chemical Sciences<br>Chimie Textile  | 16      | 14          | 0.875               | 22        | 20          | 0.909               | 1005     | 805         | 0.801               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index |   |  |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
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|            |         |        |        | Name  | Country   | University   | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 3          | 141     | 7337   | 476768 | <a href="#">Hakimi Abdelaziz</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>   | <a href="#">Economics &amp; Econometrics / Banking and Insurance</a><br>Financial Economics Banking Behavior Economic growth  | 13      | 13          | 1.000               | 21        | 20          | 0.952               | 737      | 677         | 0.919               |
| 3          | 25      | 1332   | 150090 | <a href="#">Slim Bechikh</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Evolutionary algorithms Multi-objective Optimization Evolutionary Machine learning SBSE Algorithms | 31      | 27          | 0.871               | 49        | 46          | 0.939               | 2836     | 2408        | 0.849               |
| 3          | 17      | 920    | 110257 | <a href="#">Mohamed Amri</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis el Manar</a>   | <a href="#">Medical and Health Sciences / Pharmacy &amp; Pharmaceutical Sciences</a><br>Neurosciences - Neuropharmacologie-Ethnopharmacologie STAPS - Nutrition       | 43      | 27          | 0.628               | 106       | 90          | 0.849               | 5948     | 3155        | 0.530               |
| 3          | 71      | 3393   | 290856 | <a href="#">Habib Sidhom</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>material manufacturing and mechanical engineering  | 27      | 21          | 0.778               | 47        | 37          | 0.787               | 2486     | 1247        | 0.502               |
| 3          | 87      | 4043   | 326464 | <a href="#">Maamar Sebri</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>   | <a href="#">Economics &amp; Econometrics / Economics</a><br>Water Economics Energy Economics Water-Energy-Food Nexus Applied Econometrics Meta-analysis               | 12      | 11          | 0.917               | 13        | 11          | 0.846               | 1284     | 1094        | 0.852               |
| 3          | 136     | 6819   | 455790 | <a href="#">Faouzi Kamoun</a>   |  <a href="#">Tunisia</a>   | <a href="#">ESPRIT</a>   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Smart Cities Social Innovation Technology Management Telecom Security                              | 21      | 14          | 0.667               | 35        | 25          | 0.714               | 1522     | 720         | 0.473               |
| 4          | 101     | 4878   | 369238 | <a href="#">Ousama Ben-Salha</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>   | <a href="#">Economics &amp; Econometrics / Economics</a><br>Development Economics Energy Economics Climate Change Applied Econometrics                                | 13      | 11          | 0.846               | 17        | 13          | 0.765               | 1066     | 946         | 0.887               |
| 4          | 84      | 3918   | 320258 | <a href="#">Rahmani Salem</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis</a>  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Power Electronics   | 26      | 16          | 0.615               | 48        | 22          | 0.458               | 2918     | 1118        | 0.383               |
| 4          | 77      | 3560   | 301210 | <a href="#">Henda Hajjami Ben Ghezala</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de la Manouba</a>   | <a href="#">Medical and Health Sciences / Medical Genetics</a><br>Génie logiciel Internet des objets smart city processus collaboratifs TICE                          | 18      | 12          | 0.667               | 58        | 23          | 0.397               | 2111     | 1200        | 0.568               |
| 4          | 33      | 1806   | 187601 | <a href="#">Mohamed Farouk Mhenni</a>   |  <a href="#">Tunisia</a> | <a href="#">Université de Monastir</a>   | <a href="#">Natural Sciences / Chemical Sciences</a><br>Recherche Scientifique  | 30      | 28          | 0.933               | 68        | 55          | 0.809               | 2958     | 1958        | 0.662               |
| 4          | 93      | 4506   | 350655 | <a href="#">Naziha Atti</a>   |  <a href="#">Tunisia</a> | <a href="#">Institution de la Recherche et de l'Enseignement Supérieur Agricoles</a> | <a href="#">Medical and Health Sciences / Nursing and Midwifery</a><br>Sciences des productions animales Systèmes de production Qualité du produit                    | 26      | 20          | 0.769               | 48        | 32          | 0.667               | 1990     | 1006        | 0.506               |

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|            |         |        |         | Name  | Country | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 4          | 19      | 985    | 117140  | Habib Elhouichef  | Tunisia | Université de Tunis el Manar                          | Engineering & Technology / Nanoscience and Nanotechnology<br>Nanotechnology and Photonic Glasses  | 36      | 32          | 0.889               | 101       | 74          | 0.733               | 4187     | 2999        | 0.716               |
| 4          | 150     | 7732   | 491427  | Jouini Mouna  | Tunisia | Université de Jendouba                                | Assistant Professor Computer Science with Business, University of Jendouba, Tunisia<br>Security security risk assessment security metrics Cloud Computing Distributed systems                           | 10      | 10          | 1.000               | 11        | 11          | 1.000               | 858      | 649         | 0.756               |
| 4          | 395     | 31671  | 965974  | Amin Zribi  | Tunisia | Institut Supérieur des Etudes Technologiques ISET'COM | Higher Institute of Communication Technology<br>source coding channel coding image and video compression joint source channel coding wireless communications  | 6       | 6           | 1.000               | 3         | 2           | 0.667               | 124      | 90          | 0.726               |
| 4          | 321     | 19821  | 825013  | Ahmed Elmi  | Tunisia | ESPRIT  | Unknown affiliation   | 12      | 9           | 0.750               | 14        | 8           | 0.571               | 758      | 224         | 0.296               |
| 4          | 392     | 30785  | 959975  | Syrine Ben Meskina  | Tunisia | Mediterranean Institute Of Technology                 | MedTech - SMU<br>Data mining smart grid machien learning multi-agent system artificial intelligence   | 4       | 3           | 0.750               | 2         | 2           | 1.000               | 106      | 97          | 0.915               |
| 4          | 125     | 6094   | 424308  | Younes Moussaoui  | Tunisia | Université de Gafsa                                   | Professeur de Chimie, Faculté des Sciences de Gafsa, Université de Gafsa<br>Synthèse organique Biomatériaux traitements des polluants huiles essentielles extraits des plantes et activités biologiques | 19      | 16          | 0.842               | 29        | 25          | 0.862               | 1004     | 793         | 0.790               |
| 4          | 442     | 42319  | 1024733 | Nouha Belaid  | Tunisia | Université Centrale                                   | Université Centrale<br>Journalism Communication Digital Media Data Journalism Fact-checking   | 1       | 1           | 1.000               | 0         | 0           | 0                   | 2        | 2           | 1.000               |
| 4          | 41      | 2061   | 205428  | Abdelmottaleb Ouederni  | Tunisia | Université de Gabès                                   | Engineering & Technology / Industrial & Manufacturing Engineering<br>activated carbon/ gaz storage/ microreactors/ ozone/ adsorption/ catalysis   | 26      | 22          | 0.846               | 49        | 43          | 0.878               | 2128     | 1795        | 0.844               |
| 4          | 172     | 8900   | 534587  | Mongi Bouaicha  | Tunisia | Centre De Recherches Et Des Technologies De L'énergie | Laboratoire de Photovoltaïque Centre de Recherches et des Technologies de l'Energie<br>Recherche scientifique en Photovoltaïque   | 14      | 9           | 0.643               | 20        | 8           | 0.400               | 1032     | 573         | 0.555               |
| 4          | 4       | 446    | 60154   | Mohamed Bouaziz   | Tunisia | Université de Sfax                                    | Agriculture & Forestry / Agriculture<br>Analytical Chemistry Natural biomolecules   | 50      | 43          | 0.860               | 140       | 128         | 0.914               | 7629     | 5124        | 0.672               |

| University | Country | Region | World   | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index |         |  |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
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|            |         |        |         | Name  | Country | University   | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 4          | 440     | 42248  | 1024335 | Hajer Hadj Salem  | Tunisia | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal        | Enseignante universitaire/Chercheur Marketing Marketing sociétal Marketing digital | 1       | 1           | 1.000               | 0         | 0           | 0                   | 3        | 3           | 1.000               |
| 4          | 318     | 19761  | 823860  | Aljane Fateh  | Tunisia | Institut des Régions Arides de Médenine 4119 Tunisie                 | Institut des Régions Arides de Médenine 4119 Tunisie                               | 11      | 10          | 0.909               | 14        | 12          | 0.857               | 313      | 225         | 0.719               |
| 4          | 30      | 1642   | 175832  | Boussaid Mohamed  | Tunisia | Université de Carthage   | Natural Sciences / Biological Science  | 32      | 24          | 0.750               | 85        | 57          | 0.671               | 3379     | 2082        | 0.616               |
| 5          | 377     | 28056  | 936777  | Hajjaji Yosra   | Tunisia | ESPRIT   | PhD student  | 2       | 2           | 1.000               | 1         | 1           | 1.000               | 120      | 119         | 0.992               |
| 5          | 412     | 35333  | 987585  | Noura Baccar  | Tunisia | Mediterranean Institute Of Technology                                | Assistant professor, Medtech university  | 6       | 4           | 0.667               | 2         | 2           | 1.000               | 76       | 65          | 0.855               |
| 5          | 205     | 10719  | 592160  | Daoued Mihoubi  | Tunisia | Centre De Recherches Et Des Technologies De L'énergie                | www.creten.rnrt.tn   | 20      | 13          | 0.650               | 27        | 18          | 0.667               | 988      | 486         | 0.492               |
| 5          | 248     | 13884  | 684374  | Mansour Znati   | Tunisia | Université de Gafsa  | Natural Sciences / Chemical Sciences   | 11      | 11          | 1.000               | 15        | 15          | 1.000               | 414      | 369         | 0.891               |
| 5          | 442     | 42319  | 1024733 | Elyes Kooli   | Tunisia | Institut Supérieur des Etudes Technologiques ISET Ksar Hellal        | Higher Institute for Technological Studies of Ksar Hellal                          | 1       | 1           | 1.000               | 0         | 0           | 0                   | 2        | 2           | 1.000               |
| 5          | 113     | 5269   | 388593  | Brahim Chermiti   | Tunisia | Institution de la Recherche et de l'Enseignement Supérieur Agricoles | Agriculture & Forestry / Entomology & Pesticides                                   | 20      | 16          | 0.800               | 44        | 27          | 0.614               | 1284     | 888         | 0.692               |

| University | Country | Region | World   | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citation Index |   |   |  | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|---------|---|---|---|--|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |         | Name  | Country   | University  | Subject  | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 5          | 85      | 3938   | 320934  | <a href="#">Asma Maaoui</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Tunis</a>                                   | <a href="#">Social Sciences / Linguistics and Literature</a><br>Applied linguistics/ Language assessment   | 19      | 18          | 0.947               | 29        | 26          | 0.897               | 1361     | 1115        | 0.819               |
| 5          | 369     | 27115  | 927632  | <a href="#">Amel Shoufi</a>   |  <a href="#">Tunisia</a>   | <a href="#">Institut des Régions Arides de Médenine</a>               | <a href="#">Institut des Régions Arides de Médenine, Tunisie</a><br>Camel milk composition and properties  | 6       | 5           | 0.833               | 4         | 3           | 0.750               | 201      | 127         | 0.632               |
| 5          | 116     | 5614   | 403300  | <a href="#">Aref Meddeb</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Sousse</a>                                  | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>IoT Networks Telecommunications  | 17      | 16          | 0.941               | 27        | 22          | 0.815               | 1110     | 847         | 0.763               |
| 5          | 159     | 8249   | 511539  | <a href="#">Ramzi Guesmi</a>  |  <a href="#">Tunisia</a>   | <a href="#">Université de Jendouba</a>                                | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Security Cryptography Chaos Machine Learning Deep Learning  | 8       | 8           | 1.000               | 8         | 8           | 1.000               | 631      | 612         | 0.970               |
| 5          | 75      | 3493   | 296640  | <a href="#">Rhouma Rhouma</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Gabès</a>                                   | <a href="#">Engineering &amp; Technology / Computer Science</a><br>Telecommunications Computer Science Cryptography Watermarking Steganography   | 23      | 18          | 0.783               | 29        | 23          | 0.793               | 2256     | 1220        | 0.541               |
| 5          | 47      | 2392   | 228299  | <a href="#">Naceur Benhadj Braiek</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Carthage</a>                                | <a href="#">Engineering &amp; Technology / Electrical &amp; Electronic Engineering</a><br>Electrical Engineering Automatic Control Modeling Optimization Stability and Complex Systems | 26      | 18          | 0.692               | 83        | 45          | 0.542               | 2890     | 1614        | 0.558               |
| 5          | 35      | 1867   | 192186  | <a href="#">Hafedh Belmabrouk</a>   |  <a href="#">Tunisia</a>   | <a href="#">Université de Monastir</a>                                | <a href="#">Engineering &amp; Technology / Mechanical Engineering</a><br>Fluid Mechanics Heat Transfer Microfluidics Material Science  | 26      | 23          | 0.885               | 68        | 58          | 0.853               | 2265     | 1914        | 0.845               |
| 5          | 26      | 1406   | 156607  | <a href="#">Walid Elfalleh</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Tunis el Manar</a>                          | <a href="#">Engineering &amp; Technology / Food Science and Engineering</a><br>Food Science & Technology   | 26      | 25          | 0.962               | 69        | 59          | 0.855               | 3068     | 2317        | 0.755               |
| 5          | 162     | 8435   | 518217  | <a href="#">Ghassen El Montasser</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de la Manouba</a>                              | <a href="#">Economics &amp; Econometrics / Economics</a><br>Time series econometrics   | 13      | 13          | 1.000               | 16        | 13          | 0.813               | 720      | 600         | 0.833               |
| 5          | 7       | 516    | 68790   | <a href="#">Essebti Dhahri</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Sfax</a>                                    | <a href="#">Natural Sciences / Physics</a><br>Magnétisme diélectricité matériaux multifonctionnels énergie environnement   | 42      | 30          | 0.714               | 197       | 154         | 0.782               | 6532     | 4620        | 0.707               |
| 5          | 423     | 37885  | 1000719 | <a href="#">Ikbel Mallek.Zouari</a>   |  <a href="#">Tunisia</a> | <a href="#">Institut Supérieur des Etudes Technologiques ISET'COM</a> | <a href="#">enseignante-rechercheure</a><br>Physique   | 4       | 3           | 0.750               | 3         | 2           | 0.667               | 123      | 48          | 0.390               |

| University | Country | Region | World  | AD Scientific Index - 2023 Table VII E. Tunisia Top 100 Last 5 Years Citiation Index |   |   |   | H INDEX |             |                     | i10 INDEX |             |                     | CITATION |             |                     |
|------------|---------|--------|--------|--|---|---|---|---------|-------------|---------------------|-----------|-------------|---------------------|----------|-------------|---------------------|
|            |         |        |        | Name   | Country   | University  | Subject   | Total   | Last 5 year | Last 5 year / total | Total     | Last 5 year | Last 5 year / total | Total    | Last 5 year | Last 5 year / total |
| 6          | 396     | 32131  | 969009 | <a href="#">Bouajila Essifi</a>  |  <a href="#">Tunisia</a> | <a href="#">Institut des Régions Arides de Médenine</a> | <a href="#">Geoinformation Specialist, Institut des Regions Arides</a><br>Geospatial applications Environmental Remote Sensing Natural Resources Management | 6       | 5           | 0.833               | 2         | 2           | 1.000               | 95       | 87          | 0.916               |
| 6          | 186     | 9504   | 553496 | <a href="#">Ibrahim Ouergui</a>  |  <a href="#">Tunisia</a> | <a href="#">Université de Jendouba</a>                  | <a href="#">High Institute of Sport and Physical Education, Kef, Tunisia</a><br>Sports sciences Exercise physiology Combat sports Combat analysis           | 13      | 12          | 0.923               | 18        | 17          | 0.944               | 633      | 543         | 0.858               |
| 6          | 381     | 28945  | 945021 | <a href="#">Saida Sari</a>   |  <a href="#">Tunisia</a> | <a href="#">ESPRIT</a>                                  | <a href="#">Docteur</a>   | 5       | 5           | 1.000               | 5         | 5           | 1.000               | 145      | 111         | 0.766               |