

University World Ranking systems

A review on current Ranking, Web Publishing and Research trends

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2022 January



Why University World Ranking

Help

Help you to evaluate your status in teaching, research and innovation

Help

Help prospective students to select quality education

Help

Ranking will help to build institutional reputation

Be

Ranking can be a tool to bring about strategic and academic change.



How do you
think that you
can improve
world ranking of
your university?



How do you think that we can improve the world ranking of a university?

- ① Start presenting to display the poll results on this slide.



What are the main features in a World Class University?

- ① Start presenting to display the poll results on this slide.

University World Ranking

Website
Impact

Research – No
and Citations

Teaching

International
Collaboration

Employability

Industry
Income



Major World University Ranking systems

- Webometrics
- QS Ranking
- Scimago
- THE Times Higher Education Impact Ranking
- Other systems

Weboetrics - New criteria more on research less on web site

INDICATORS	MEANING	METHODOLOGY	SOURCE	WEIGHT
PRESENCE	Public knowledge shared	DISCONTINUED		
VISIBILITY	Web contents impact	Number of external networks (subnets) linking to the institution's webpages (normalized and then the maximum value is chosen)	Ahrefs Majestic	50
TRANSPARENCY (or OPENNESS)	Top cited researchers	Number of citations from Top 210 authors (excl. top 20 outliers) See Transparent Ranking for additional info	Google Scholar Profiles	10
EXCELLENCE (or SCHOLAR)	Top cited papers	Number of papers amongst the top 10% most cited in each one of the all 27 disciplines of the full database Data for the five year period: 2015-2019	Scimago	40

only 10% now

↳ based on Scopus data

RANKING WEB OF UNIVERSITIES



ranking	<u>World Rank</u> ▲	<u>University</u>	<u>Det.</u>	<u>Impact Rank*</u>	<u>Openness Rank*</u>	<u>Excellence Rank*</u>
1	1591	University of Colombo	10	1807	1190	2506
2	1757	University of Peradeniya	10	5228	1090	1830
3	2203	University of Ruhuna	10	8268	1929	1727
4	2219	University of Sri Jayewardenepura	10	3488	2 nd	1530 4 th 3231 6 th
5	2393	University of Moratuwa	10	5044	1851	2890
6	2556	University of Kelaniya	10	6028	1467	3186

USJ becomes 4th Best University in Sri Lanka according to

Webometrics Ranking

10	1579	Sabaragamuwa University	10	9467	2956	4821
			10	12678	2843	4912



Year	World Rank	Sri Lanka Rank
2014	4416	5
2015	4282	5
2016	3572	5
2017	3349	6
2018	3109	6
2019	2960	6
2020.1	3496	6
2020.7	2383	5
2021.1	3496	6
2021.7	2219	4

2021 Jan

ranking	<u>World Rank</u>	<u>University</u>	<u>Det.</u>	<u>Impact Rank*</u>	<u>Openness Rank*</u>	<u>Excellence Rank*</u>
1	1684	University of Colombo		2112	1066	2505
2	1897	 University of Peradeniya		5522	976	1829
3	2320	University of Ruhuna		8477	1790	1725
4	2819	University of Kelaniya		6288	1356	3181
5	3113	University of Moratuwa		9490	1672	2886
6	3496	 University of Sri Jayewardenepura	3488 ↑	3511	1530 ↑	3226 3231 ↓
7	3744	University of Jaffna		9263	2064	3937
8	3963	Rajarata University		11419	2798	3645
9	4729	Wayamba University of Sri Lanka		11816	2970	4818
10	4849	Sabaragamuwa University		12607	2621	4909

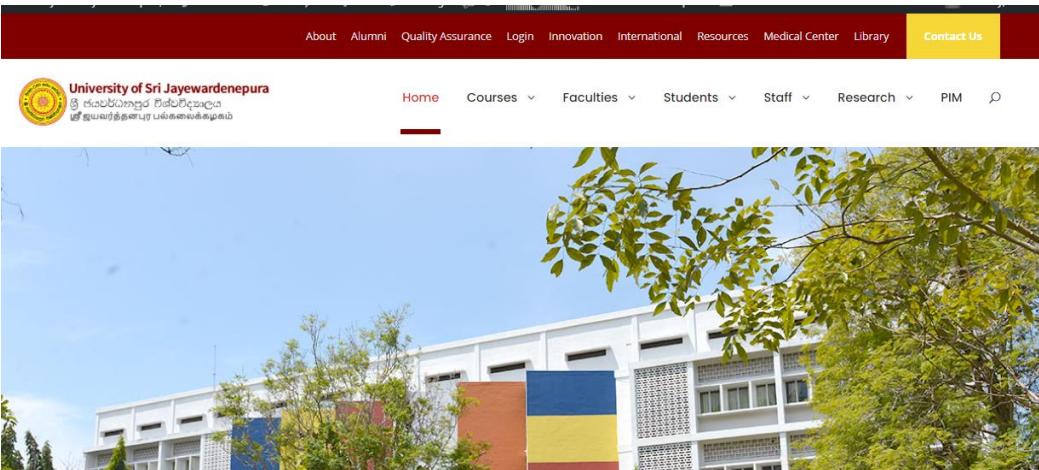
Website sjp.ac.lk impact

- Backlinks x no of websites referring us



Sjp.ac.lk website from 1998

- Google – 1998
- Facebook – 2004
- YouTube – 2005
- Pim.lk – 2002 – 2017?



UNIVERSITY OF SRI JAYEWARDENEPURA (LS9.JPG 35482 bytes)

University of Sri Jayewardenepura Home Page
Nugegoda, Sri Lanka

Introduction Academic Staff
Undergraduate Courses (Faculties and Departments) University Administration
Postgraduate Courses (Faculty of Graduate Studies) Academic Support Services
External Degree Courses Student Activities
Associated Institutions

Application procedure for courses:
[M.Sc. Forestry and Environmental Management](#)

No of links
to websites

Cmb.ac.lk 265,000

Sjp.ac.lk 98,900

Pdn.ac.lk 73.900

Sliit.lk 36.800

Pim.sjp.ac.lk 11,900

No of links to
sjp.ac.lk
websites

Crawled URLs	286,271
Indexed URLs	<u>433,730</u>
Educational Ref. Backlinks	413
Governmental Ref. Backlinks	85
Educational Ref. Domains	63
Governmental Ref. Domains	7
IP Address	<u>192.248.32.4</u>

Backlinks - ahrefs

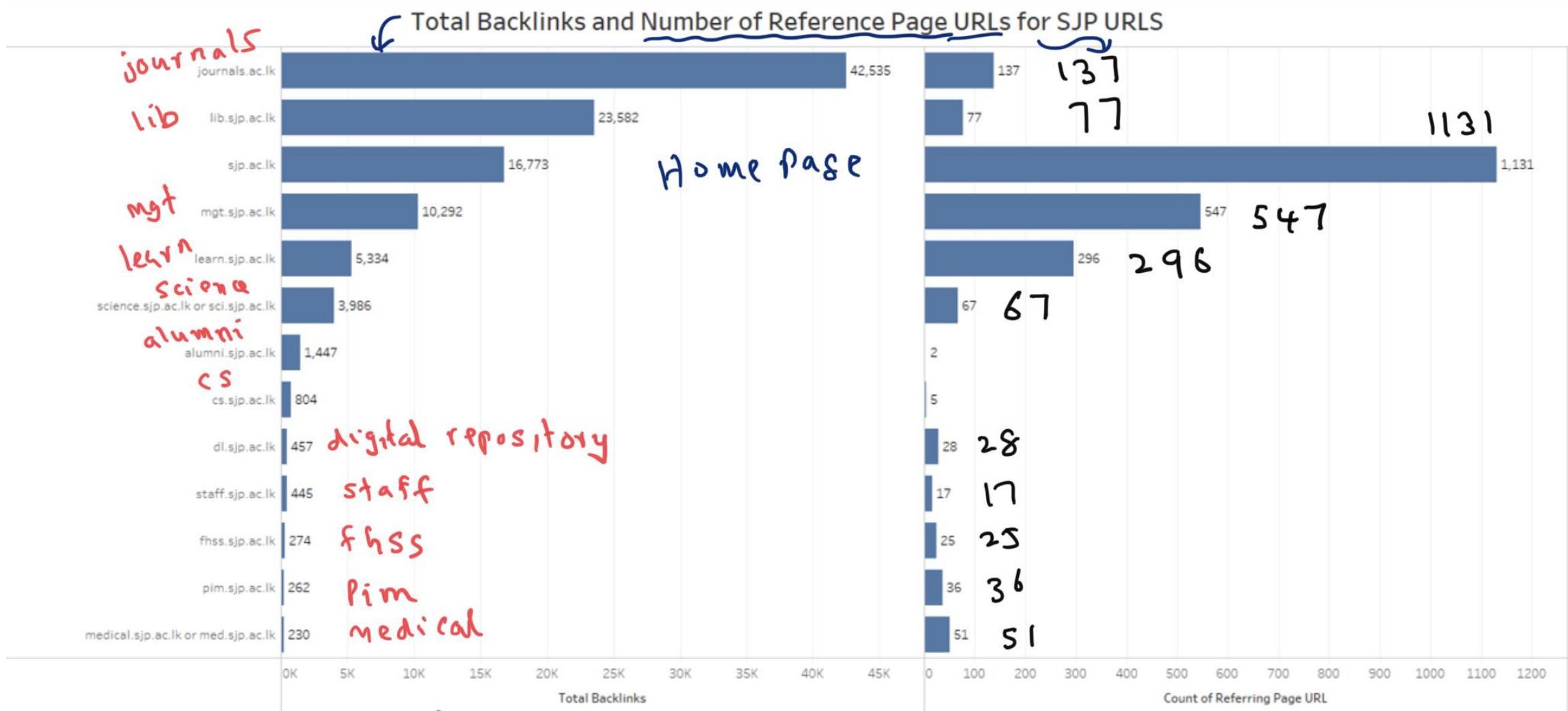
ahrefs.com/backlink-checker

Apps FEEDJIT Live - Upda... Bookmarks Text to HTML De Responsive Email P... Internet Connectio... Link2FB.com - Get... Hiran Test site acqui... Other bookmarks

Backlink profile for sjp.ac.lk

Domain including subdomains

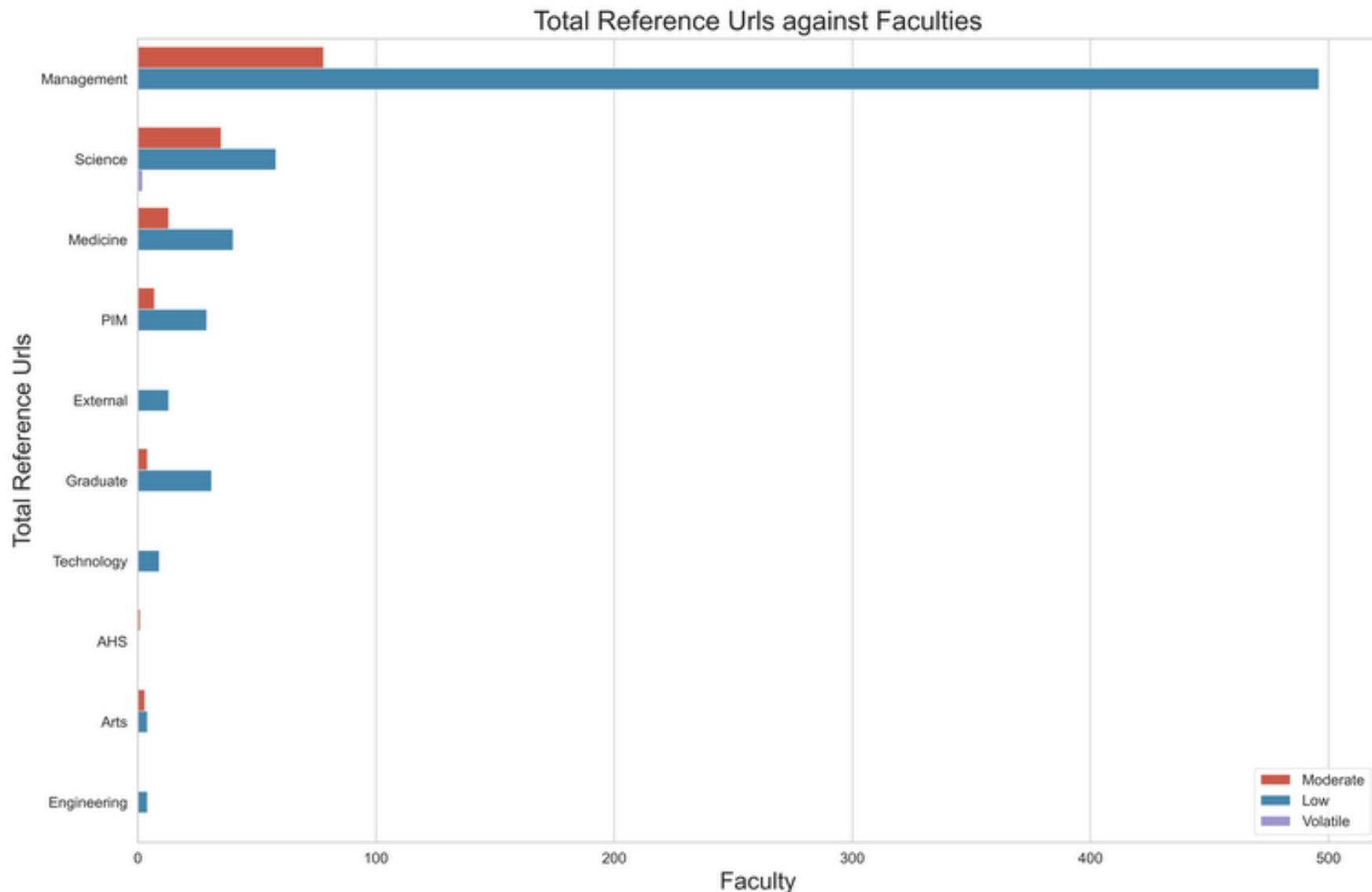
Domain Rating	62	Backlinks	390,979	Referring Domains	4,633
		33% dofollow		64% dofollow	

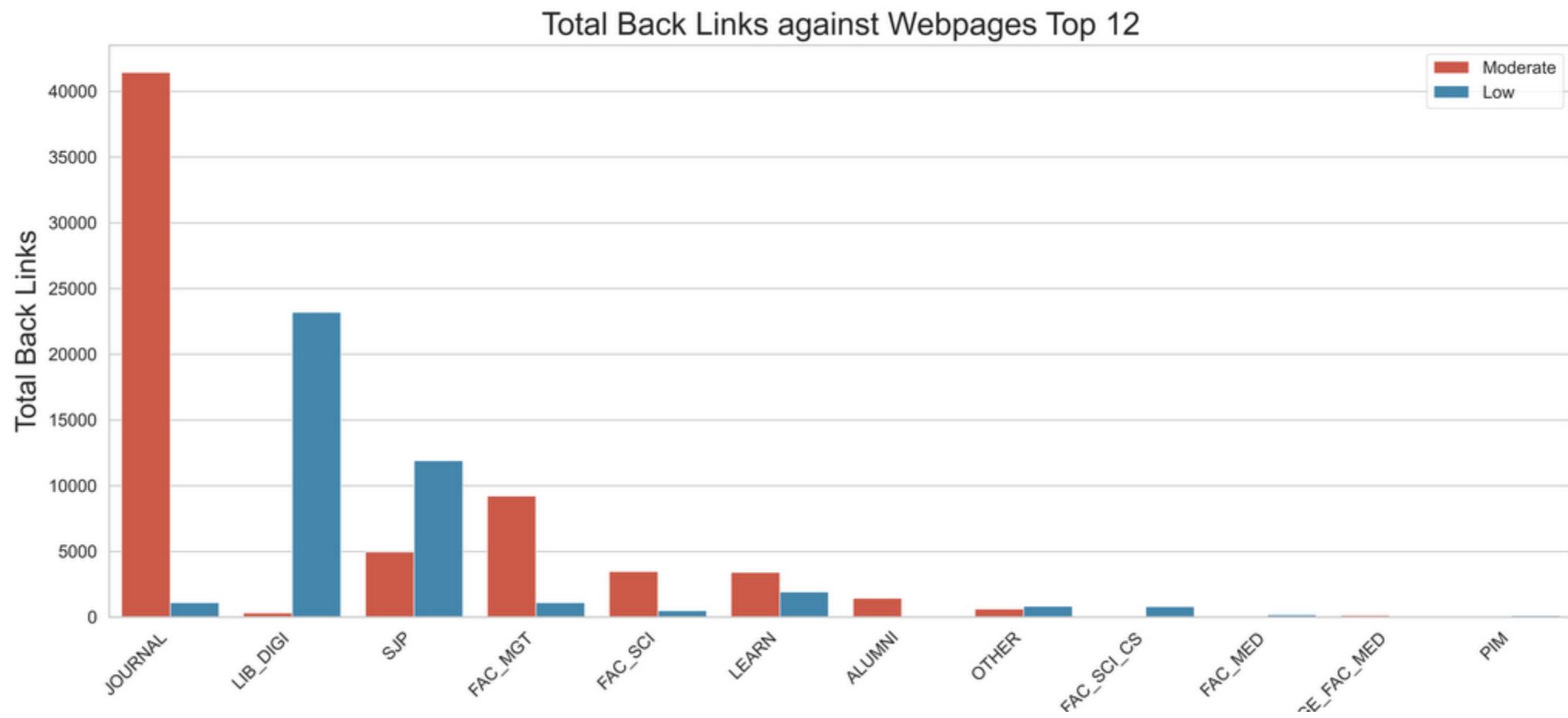


Sum of Total Backlinks and count of Referring Page URL for each Link URL (group) 2. The data is filtered on Link URL and Type. The Link URL filter excludes Null and 7/15/2020 8:59. The Type filter keeps Dofollow, Dofollow, Alternate, Dofollow, Content and Dofollow, Image. The view is filtered on Link URL (group) 2, which excludes 48 members.

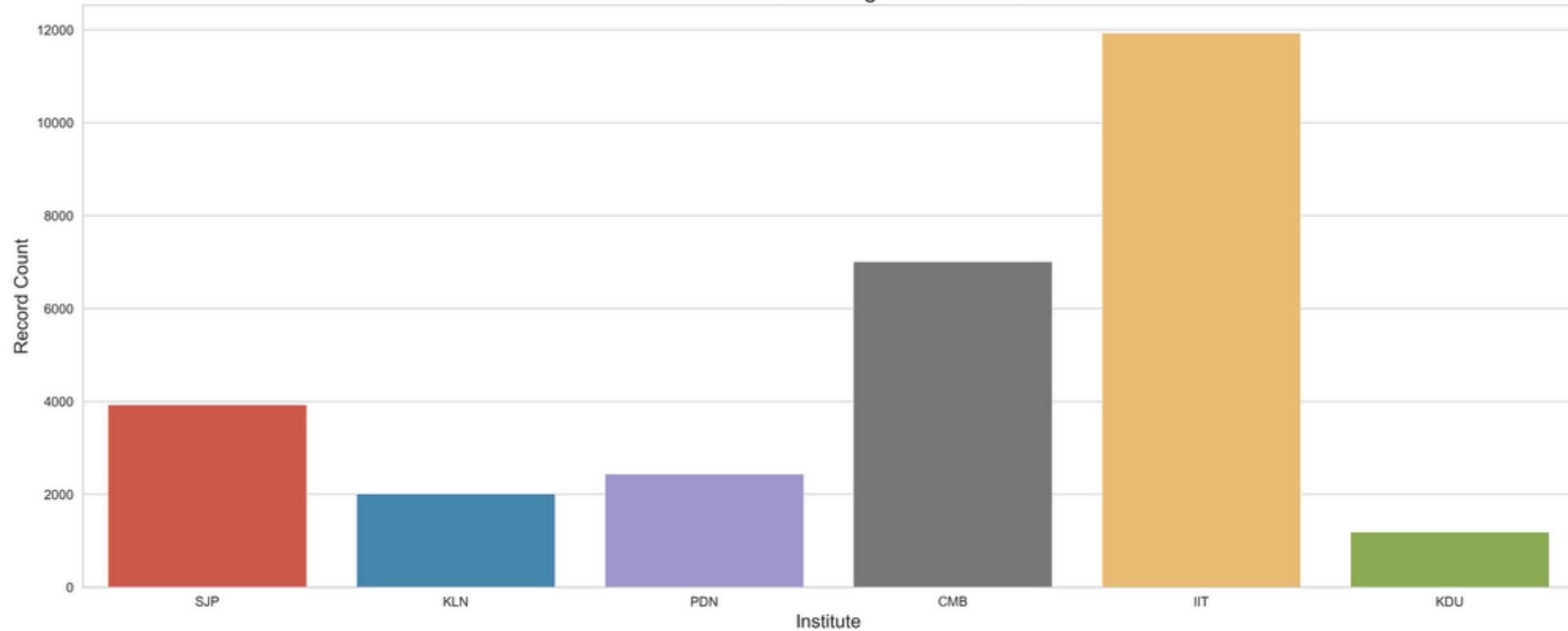
U of Colombo – Total Backlinks and no of referring pages

1	Link URL (group)	Total Backlinks	No of Referring Page Title	
2	www.nilis.cmb.ac.lk/	7,209,868	5	Library Inst Diploma
3	ccis.cmb.ac.lk/	3,695,903	4	Center for Indian Studies
4	www.cmb.ac.lk	415,212	427	
5	arts.cmb.ac.lk/	20,427	166	Arts Fac
6	fogsl.cmb.ac.lk/	9,652	1	fogsl
7	archive.cmb.ac.lk	9,500	2	Repository
8	med.cmb.ac.lk	9,348	1	medical
9	fos.cmb.ac.lk	8,712	1	FOS
10	ucsc.cmb.ac.lk	5,993	161	UCSC
11	law.cmb.ac.lk	5,414	119	Law
12				





Total Record Count against Institute



Jounrals.sjp.ac.lk
publishes 14
journals and
proceeding s



The screenshot shows the homepage of the Journal of Tropical Forestry and Environment. The header features a green background with a silhouette of a tropical forest landscape. The journal's name, "Journal of Tropical Forestry and Environment", is prominently displayed in white text. Navigation links for "Current", "Archives", and "About" are visible, along with a search bar and user account links for "Register" and "Login". Below the header, a section titled "About the Journal" provides information about the journal's focus on tropical regions and its multidisciplinary nature. It also mentions the specific geographical focus on Sri Lanka and the peer-review process. A link to the "aims and scope" is provided for further details. The footer contains links for "Open Journal Systems", "Information", "For Readers", "For Authors", and "For Librarians".

Journal of Tropical Forestry and Environment

Current Archives About ▾

Search

About the Journal

Journal of Tropical Forestry and Environment (JT^E) is a peer reviewed international journal that publishes high quality original research articles in forestry, environmental sciences and natural resource management relevant to tropical regions. This is a semiannual journal published by the Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Nugegoda, Sri Lanka.

JT^E provides a multidisciplinary forum for discussion of issues and communication of research findings of wider interest to the community of forestry and environmental professionals, especially in the tropical regions. Although the journal has a specific geographical focus, it also welcomes high quality, original submissions of research and review manuscripts on issues of global importance. Acceptance for publication is subject to a double-blind peer-reviewing process.

Please refer to the updated [aims and scope](#) of the journal for further details.

ISSN: 2235-9370 Print / 2235-9362 Online

Open Journal Systems

Information

For Readers

For Authors

For Librarians

How can we get more backlinks to our university websites?

How to get more backlinks – **Increasing volume and quality of web publications.**

- Scientific Impact Good research or research stories – ejournals, digital repository
- Teaching – Information for present and prospective students
- Popular courses
- Student Blogs / Their company profiles
- Affiliated Institutes, centers
- Community engagement (social, cultural, environmental roles and even political influence).
- Third party (collaborators, MOU activities) involvement with university - (economic, industrial, political or cultural stakeholders)

Impactful Research with more citations

1. Need to solve current problems –
Covid, Debt crisis, X-Press Pearl
2. Address current global research issues (Ref. Scopus database)

In Which Journal Should I publish? – Indexing

- www.scimagojr.com
- Elsevier SCOPUS
 - Google Scholar
 - Web of Sciece
 - Science Citation Indexed Expanded (™) (Web of Science)
 - Social Sciences Citation Index® (Web of Science)
 - Arts and humanities citation index® (Web of Science), etc.
 - Emerald Insight
 - Cabell's International

Scimago
word
ranking
1996-2020
Based on no
of Papers
and
Citations

1 USA

2 China

3 UK

7 India

60 Bangladesh

75 Ethiopia

80 Sri Lanka

7 ranked institutions
↓ select to compare

Download data (csv)

Best
quartile

<input type="checkbox"/>	1 (733)	University of Colombo	LKA		
<input type="checkbox"/>	2 (754)	University of Kelaniya	LKA		
<input type="checkbox"/>	3 (767)	University of Peradeniya	LKA		
<input type="checkbox"/>	4 (771)	University of Ruhuna	LKA		
<input type="checkbox"/>	5 (789)	University of Jaffna	LKA		
<input type="checkbox"/>	6 (794)	University of Sri Jayewardenepura	LKA		
<input type="checkbox"/>	7 (835)	University of Moratuwa	LKA		

Scimago University Ranking Methodology

FACTOR	INDICATOR	WEIGHT
Research (50%)	Normalized Impact (NI)	13%
	Excellence with Leadership (EwL)	8%
	Output (O)	8%
	Scientific Leadership (L)	5%
	Not Own Journals (NotOJ)	3%
	Own Journals (OJ)	3%
	Excellence (Exc)	2%
	High Quality Publications (Q1)	2%
	International Collaboration (IC)	2%
	Open Access (OA)	2%
Innovation (30%)	Scientific Talent Pool (STP)	2%
	Innovative Knowledge (IK)	10%
	Patents (PT)	10%
Societal (20%)	Technological Impact (TI)	10%
	Altmetrics (AM)	10%
	Inbound Links (BN)	5%
	Web Size (WS)	5%

The research ranking refers to the volume, impact and quality of the institution's research output.

- USJ Scimago



USJ - Scimago

- The innovation ranking is calculated on the number of patent applications of the institution and the citations that its research output receives from patents.
 - Societal ranking is based on the number of pages of the institution's website and the number of backlinks and mentions from social networks.



•Scimagojor Indexed Sri Lankan Journals

Ceylon Medical Journal

Sri Lanka

Sri Lanka Medical Association

Journal of the National Science Foundation of Sri Lanka

Sri Lanka

National Science Foundation of Sri Lanka

Journal of the National Science Council of Sri Lanka

Sri Lanka

Journal Of The National Science Council Of Srilanka

Sri Lanka Journal of Child Health

Sri Lanka

Sri Lanka College of Paediatricians

Sri Lanka journal of social sciences

Sri Lanka

National Science Foundation of Sri Lanka

Sri Lankan Journal of Anaesthesiology

Sri Lanka

College Of Anaesthesiologists Of Sri Lanka

Journal of Agricultural Sciences - Sri Lanka

Sri Lanka

Faculty of Agricultural Sciences, Sabaragamuwa University of Sri Lanka

The 11 indicators used to compile the QS Asia University Rankings are :

- Academic Reputation - 30 %
- Employer Reputation - 20 %
- Faculty/Student Ratio - 10 %
- International Research Network - 10 %
- Citations per paper - 10 %
- Papers per faculty - 05 %
- Staff with a PhD - 05 %
- Proportion of International staff - 2.5 %
- Proportion of International students - 2.5 %
- Proportion of inbound exchange students - 2.5 %
- Proportion of outbound exchange students - 2.5 %

QS - Asian University Rankings 2021

University of Peradeniya

Asian University Rankings # 221

Ranking Criteria

- Overall Score: **23.6**
 - Academic Reputation: **20.04**
 - Employer Reputation: **24.45**
 - Faculty Student: **21.54**
 - International Faculty: **3.2**
 - International Students: **3.43**
 - Faculty Staff with PhD: **2.74**
 - Papers per Faculty: **5.18**
 - Citations per Paper: **32.4**
 - Outbound Exchange: **2.03**
 - Inbound Exchange: **2.05**
 - International Research Network: **59.43**

Total students - 17,440

PG students 39%

UG students 61%

International students - 129

UG students 46%

PG students 54%

Total faculty staff - 1,217 

International staff 9

Domestic staff 1208

University of Sri Jayewardenepura

Asian University Rankings # 451 - 500

Ranking Criteria

- Employer Reputation: **27.39**

Total students – 13,691 ↑

PG students 11 % ↓

UG students 89 %

International students - 10 ↓

UG students 8

PG students 2

Total Academic staff - 673 ↓

International staff 0 ↓

Domestic staff 673 100%.

QS submitted data 2021

Academic
nominations -170 -
[250 can be
submitted]

Employer
nominations- 379
[250 can be
submitted]

QS submitted data 2021

- Academic Staff details
- Full Time - 729, Part time - 246
- Full Time PhD's - 361 Part Time PhD's - 144
- Foreign Full time - 0 Foreign visiting - 2 ,
- Foreign visiting outbound -

Submitted March 15th 2021 for QS Asia Ranking

QS submitted data 2021

- Students details
- Undergraduate -
 - Student number - 13518
 - Foreign - 7 ,
 - Undergraduate Exchange inbound - 17 (All from Medical faculty Electives)
 - Undergraduate Exchange outbound - 2 (All from Medical faculty)
- Postgraduate -
 - Student number - 3533,
 - Foreign – 6,
 - Exchange inbound – 0,
 - Exchange outbound - 0

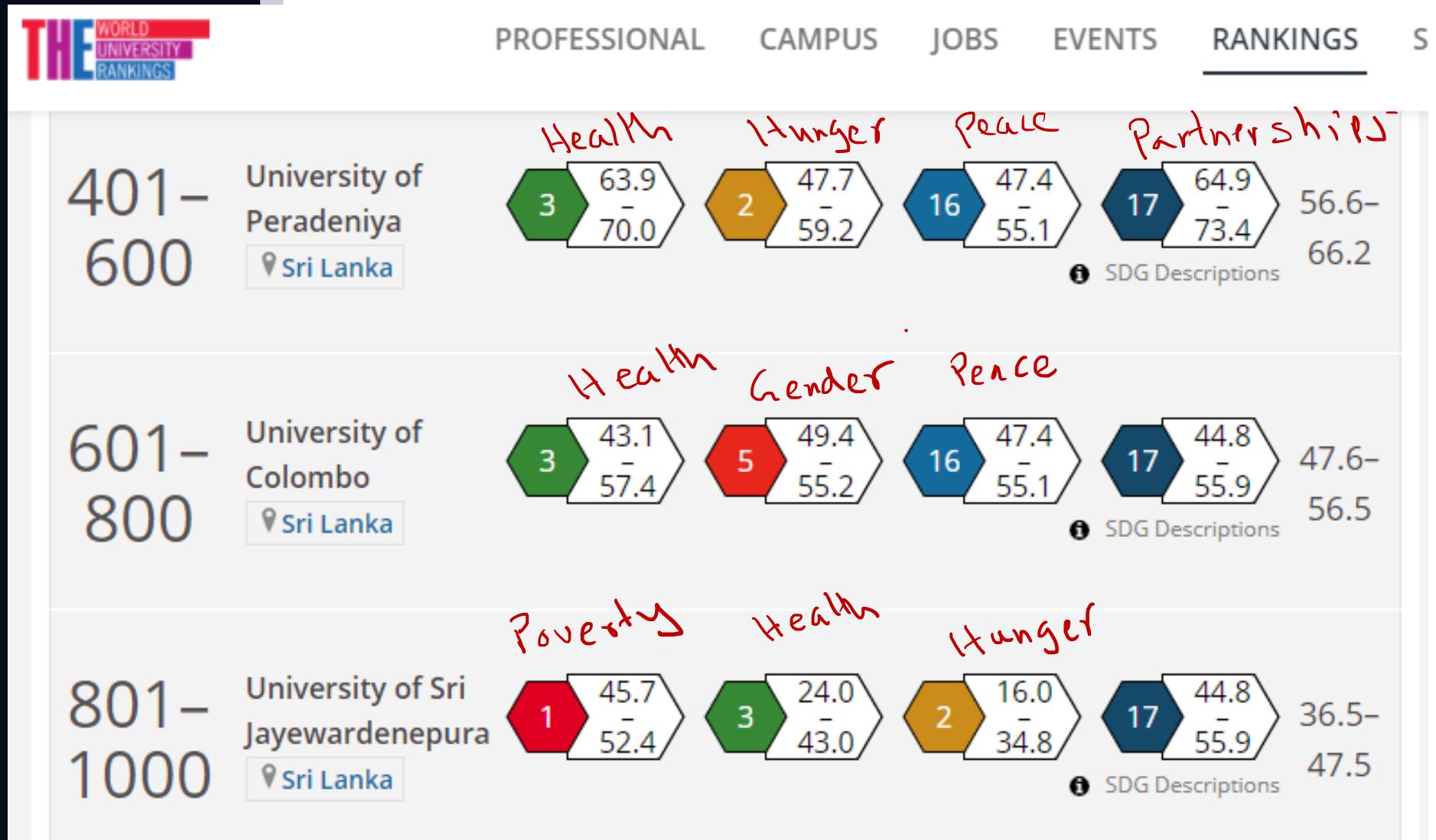
EXPLORE IMPACT RANKINGS FOR INDIVIDUAL SDGS



Impact Ranking –
SDGs

- Research
- Outreach
- Stewardship

THE Impact Ranking





Most impactful
research and
Researchers on USJ
World Ranking?

Faculty Level – 2020 Research Council, USJ

Faculty	No. of index Journal Publication
Applied Sciences	121
Medical Sciences	62
Management Studies and Commerce	53
Technology	46
Allied Health Science	19
Humanities and Social Sciences	12
Engineering	9
Library	1

Total No. of Index Journal and other Publications USJ- 2020

Publication Category	No. of publications
Index Journals	323
Non-Index Journals	152
Conference proceedings	326
Book chapters	32

Research – Scholar data

- USJ best
- https://scholar.google.com/citations?view_op=view_org&hl=en&org=4241313714207127809
- However, Webometrics remove best 20

Authors with
the highest
number of
publications
in Scopus
subject areas



Top USJ Authors (2014-2021) – Scopus

Name	Scholarly Output	Most recent publication	Citations	<i>h</i> -index
1. Vithanage, Meththika Suharshini	98	2021	1,583	40
2. Malavige, Gathsauri Neelika	41	2021	498	25
3. Weerasekera, Manjula Manoji	35	2021	258	9
4. Kottekodda, Nilwala S.	30	2021	421	15
5. Fernando, Neluka	26	2021	166	13
6. Karunananayake, Laleen	25	2021	126	11
7. Manage, Pathmalal Marakkale	25	2021	81	13
8. Jeewandara, Chandima	24	2021	420	10
9. Gunasekara, Chinthika Prabhashinie	23	2021	174	7
10. Gunarathne, Nuwan	23	2021	184	8

Research – Scopus and SciVal data

The image is a collage of four logos arranged in a 2x2 grid. The top-left logo is for Scopus, featuring a circular graphic of abstract shapes and the text "The largest abstract and citation database of peer-reviewed literature from more than 5,000 publishers". The top-right logo is for Elsevier, showing a tree and the word "ELSEVIER". The bottom-right logo is for Mendeley, featuring a white molecular or network icon on a red background and the word "MENDELEY". The bottom-left logo is for SciVal, with the word "SciVal" in a large, bold, white font on an orange background, and the text "SciVal offers quick, easy access to the research performance of over 10,000 research institutions and 230 regions and countries" below it.

Scopus®

The largest abstract and citation database of peer-reviewed literature from more than 5,000 publishers

ELSEVIER

MENDELEY

SciVal

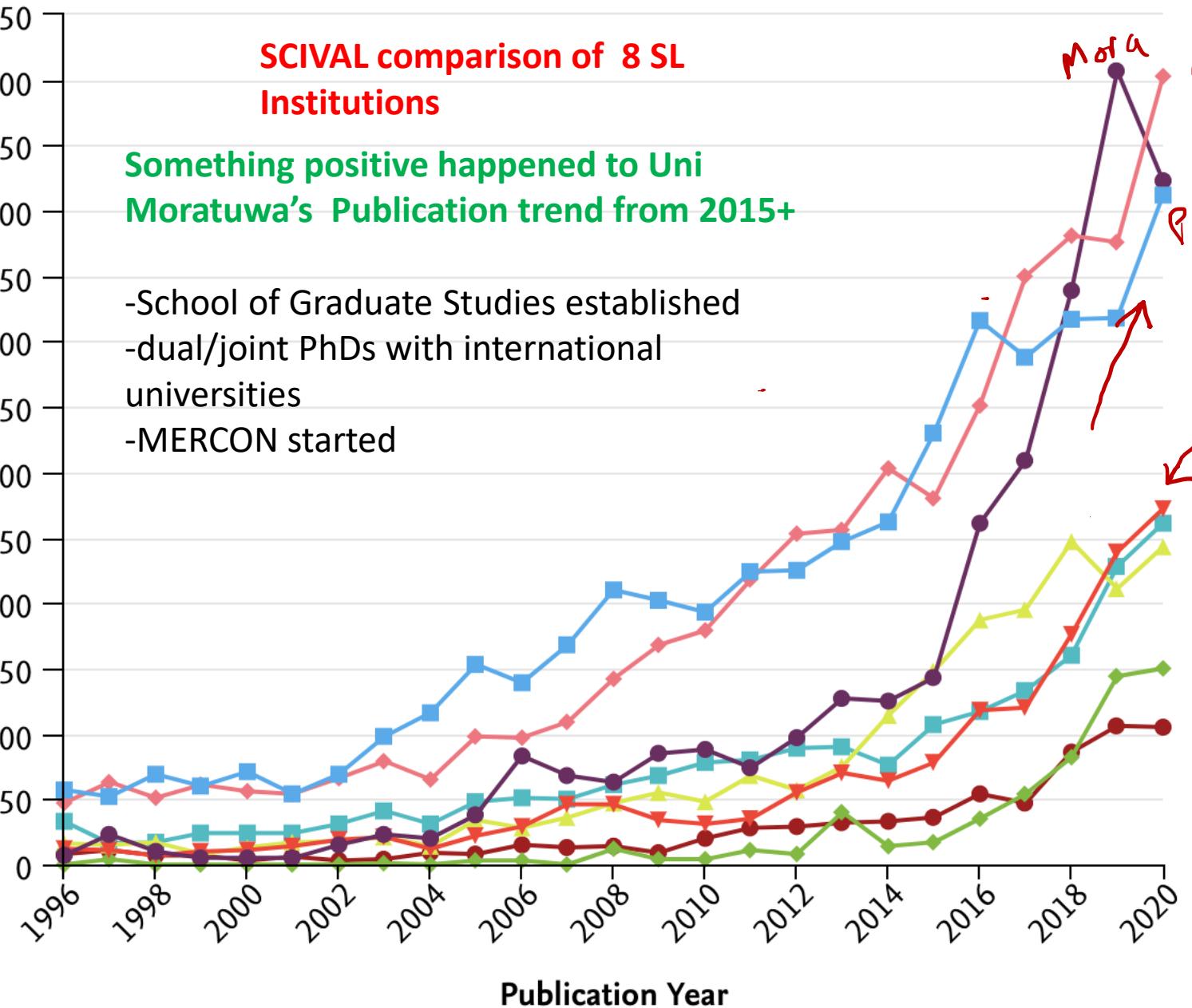
SciVal offers quick, easy access to the research performance of over 10,000 research institutions and 230 regions and countries

SCIVAL comparison of 8 SL Institutions

Something positive happened to Uni Moratuwa's Publication trend from 2015+

- School of Graduate Studies established
- dual/joint PhDs with international universities
- MERCON started

Scholarly Output



- University of Peradeniya
- University of Colombo
- University of Moratuwa
- University of Kelaniya
- University of Ruhuna
- University of Sri Jayewardenepura
- University of Jaffna
- Sri Lanka Institute of Information Technology

Hide all chart labels

View list of Scopus Sources for the selected Researchers and Groups

SCIVAL comparison of 5 SL Institutions (excluding Colombo, Moratuwa and Peradeniya)

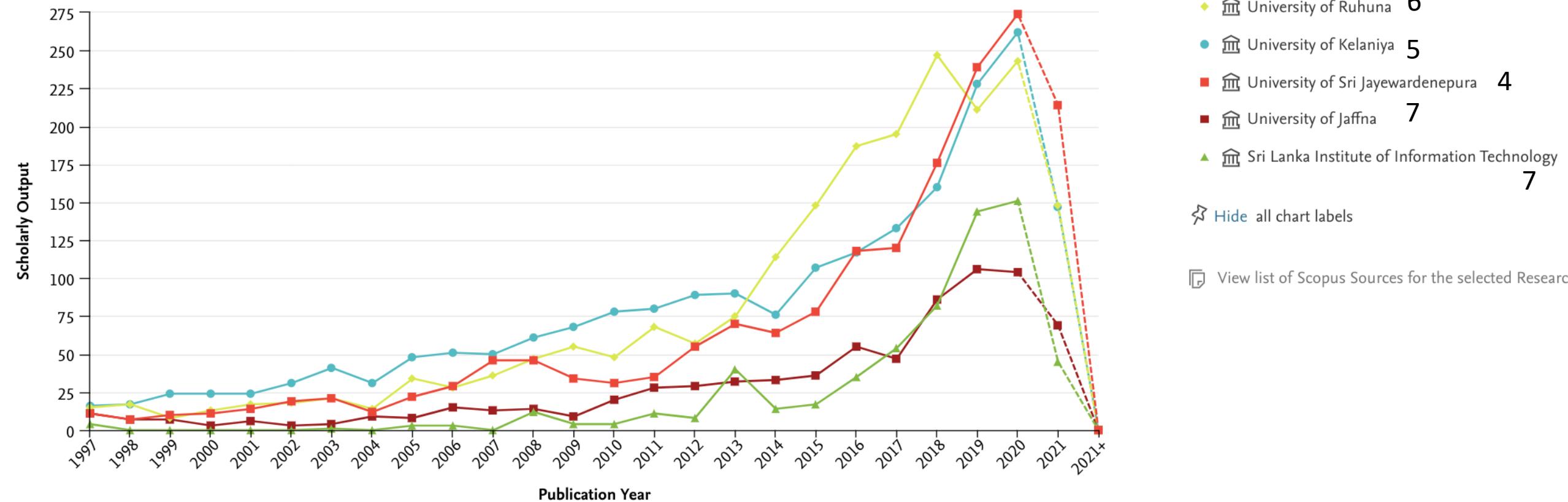
y-axis ▾

x-axis ▾

Bubble size ▾

Scholarly Output ⚡

Publication Year



Publication numbers of USJP



Scopus

Search

1,645 document results

ALL TIMES

(AFFIL(vidyodaya* OR (university AND of AND sri AND jayewardenepura)) AND AFFILCOUNTRY(sri AND lanka))



Scopus

Search Sources Lists

1,093 document results

Last 5 years

Most in
Sri Lanka.
Last 5 years!

(AFFIL(vidyodaya* OR (university AND of AND sri AND jayewardenepura)) AND AFFILCOUNTRY(sri AND lanka)) AND PUBYEAR > 2015



SUBJECT AREAS of USJP Publications- Since 2016

Filter by subject area

- Medicine (264) >
- Environmental Science (218) >
- Agricultural and Biological Sciences (187) >
- Engineering (141) >
- Social Sciences (135) >
- Biochemistry, Genetics and Molecular Biology (127) >
- Computer Science (122) >
- Business, Management and Accounting (84) >
- Chemistry (77) >
- Materials Science (66) >
- Immunology and Microbiology (59) >
- Multidisciplinary (51) >
- Chemical Engineering (48) >
- Economics, Econometrics and Finance (45) >
- Decision Sciences (42) >
- Earth and Planetary Sciences (39) >
- Energy (39) >
- Mathematics (37) >
- Pharmacology, Toxicology and Pharmaceutics (36) >
- Physics and Astronomy (36) >
- Nursing (26) >
- Arts and Humanities (21) >
- Neuroscience (20) >
- Psychology (13) >
- Health Professions (9) >
- Dentistry (5) >
- Veterinary (1) >

Sponsors/Funding agencies acknowledged in USJP publications- Since 2016

most by USJ research grants!

- University of Sri Jayewardenepura
- National Research Council Sri Lanka
- National Science Foundation
- Ministry of Science, Technology and Research
- National Science Foundation of Sri Lanka
- National Natural Science Foundation of China
- National Research Council
- Medical Research Council
- National Research Foundation of Korea
- UK Research and Innovation

- (184) > Japan Society for the Promotion of Science
- (44) > Open University of Sri Lanka
 Chinese Academy of Sciences
- (37) > Ministry of Education, Culture, Sports, Science and Technology
- (26) > World Bank Group
- (23) > Department of Science and Technology, Ministry of Science and Technology, India
- (17) > University of Colombo
- (17) > Chiang Mai University
- (15) > European Commission
- (14) > Ministry of Science, ICT and Future Planning
- (13) > Eastern University, Sri Lanka

- (12) > Government of Canada
 National Institute for Health
- (12) > Research
- (10) > National Institutes of Health
- (10) > Thailand Research Fund
 University Grants Commission - Sri Lanka
- (10) > Ministry of Higher Education,
- (9) > Malaysia
 United Nations Educational, Scientific and Cultural Organization
- (8) > University of Moratuwa
- (8) > China Postdoctoral Science Foundation
- (8) > Commonwealth Scholarship Commission
- (7) > International Development

USJP's 1st-5th most impactful papers (all times)

	Document title	Authors	Year	Source	Cited by
<input type="checkbox"/> 1	Prevalence of obstructive sleep apnea in the general population: A systematic review	Senaratna, C.V., Perret, J.L., Lodge, C.J., (...), Hamilton, G.S., Dharmage, S.C.	2017	Sleep Medicine Reviews 34, pp. 70-81	577
	View abstract  View at Publisher Related documents				
<input type="checkbox"/> 2	Transmission of COVID-19 virus by droplets and aerosols: A critical review on the unresolved dichotomy <i>Open Access</i>	Jayaweera, M., Perera, H., Gunawardana, B., Manatunge, J.	2020	Environmental Research 188,109819	236
	View abstract  View at Publisher Related documents				
<input type="checkbox"/> 3	Oxidative stress: Apoptosis in neuronal injury	Kok, P.L., Shan, H.H., De Silva, R., Tan, B.K.H., Yi, Z.Z.	2006	Current Alzheimer Research 3(4), pp. 327-337	212
	View abstract  View at Publisher Related documents				
<input type="checkbox"/> 4	Biochar based removal of antibiotic sulfonamides and tetracyclines in aquatic environments: A critical review	Peiris, C., Gunatilake, S.R., Mlsna, T.E., Mohan, D., Vithanage, M.	2017	Bioresource Technology 246, pp. 150-159	195
	View abstract  View at Publisher Related documents				
<input type="checkbox"/> 5	XPS study of nitrogen dioxide adsorption on metal oxide particle surfaces under different environmental conditions	Baltrusaitis, J., Jayaweera, P.M., Grassian, V.H.	2009	Physical Chemistry Chemical Physics 11(37), pp. 8295-8305	160
	View abstract  View at Publisher Related documents				

Why local/international collaboration between institutions should be encouraged and how?

How does this list different from some other SL Universities?

What are the similarities?

USJP's 6th-10th most impactful paper (all times)

- 6 Applications of biochar in redox-mediated reactions Yuan, Y., Bolan, N., Prévost, A., (...), Ok, Y.S., Wang, H. 2017 Bioresource Technology 246, pp. 271-281 154

[View abstract](#) [!\[\]\(75d0e4c5336835eb7c396afa300d1dc0_img.jpg\) Find-It!](#) [View at Publisher](#) [Related documents](#)

- 7 Relation of waste generation and composition to socio-economic factors: A case study Bandara, N.J.G.J., Hettiaratchi, J.P.A., Wirasinghe, S.C., Pilapiyaya, S. 2007 Environmental Monitoring and Assessment 135(1-3), pp. 31-39 153

[View abstract](#) [!\[\]\(75f5fa6c53ae03e669fc3d7e4af55ae1_img.jpg\) Find-It!](#) [View at Publisher](#) [Related documents](#)

- 8 Enhancing immunity in viral infections, with special emphasis on COVID-19: A review Jayawardena, R., Sooriyaarachchi, P., Chourdakis, M., Jeewandara, C., Ranasinghe, P. 2020 Diabetes and Metabolic Syndrome: Clinical Research and Reviews 14(4), pp. 367-382 148
Open Access

[View abstract](#) [!\[\]\(c304765eaff2580582d718e36e0c4ff0_img.jpg\) Find-It!](#) [View at Publisher](#) [Related documents](#)

- 9 Urea-Hydroxyapatite Nanohybrids for Slow Release of Nitrogen Kottegoda, N., Sandaruwan, C., Priyadarshana, G., (...), Karunaratne, V., Amaralunga, G.A.J. 2017 ACS Nano 11(2), pp. 1214-1221 144
Open Access

[View abstract](#) [!\[\]\(665ec0fc507f33bcd95bfeefb480b4db_img.jpg\) Find-It!](#) [View at Publisher](#) [Related documents](#)

- 10 Isolation and identification of novel microcystin-degrading bacteria Manage, P.M., Edwards, C., Singh, B.K., Lawton, L.A. 2009 Applied and Environmental Microbiology 75(21), pp. 6924-6928 123
Open Access

[View abstract](#) [!\[\]\(9bc21b6802e57041f8d6ba111ccde395_img.jpg\) Find-It!](#) [View at Publisher](#) [Related documents](#)

SJP's 2nd most impactful paper (all times): 236 citations, FWCI=31.26, published in 2020- LOCAL Collaboration

[Back to results](#) | [Previous](#) 2 of 1,645 [Next](#)

[Export](#) [Download](#) [Print](#) [E-mail](#) [Save to PDF](#) [Save to list](#) [More... >](#)

[Find-it!](#) | [View at Publisher](#)

FWCI greater than 1 means that the paper is ABOVE AVERAGE

Environmental Research • Open Access • Volume 188 • September 2020 • Article number 109819

Document type

Review

Source type

Journal

ISSN

00139351

DOI

10.1016/j.envres.2020.109819

[View more](#) ▾

Transmission of COVID-19 virus by droplets and aerosols: A critical review on the unresolved dichotomy

Jayaweera M.^a [✉](#), Perera H.^b, Gunawardana B.^a, Manatunge J.^a

[Save all to author list](#)

Scopus metrics
236 99th percentile
Citations in Scopus
Views count 19 May 2021
Last updated on 19 May 2021

FWCI

31.26
Field-Weighted citation impact (?)

107
Views count 2020

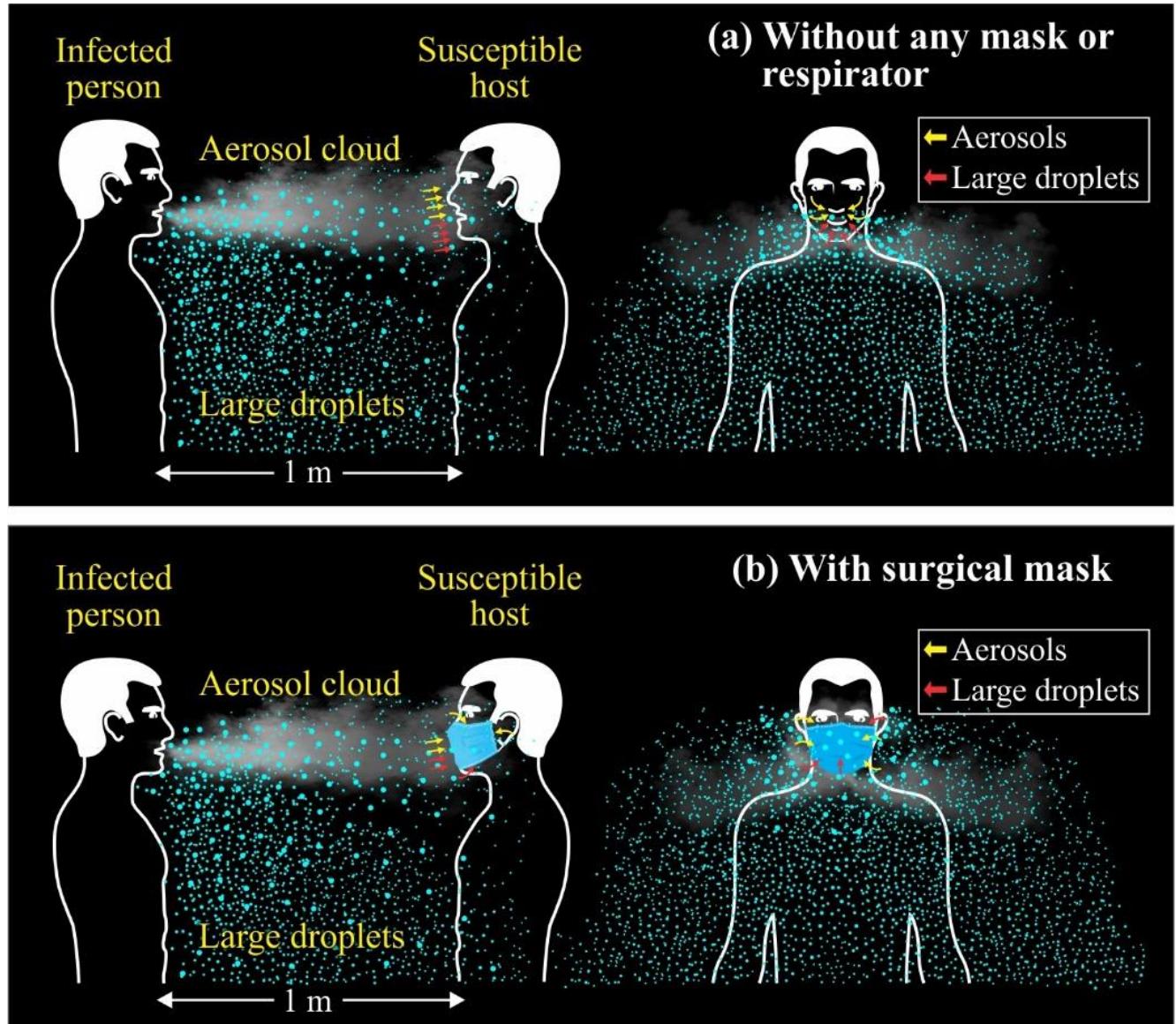
50
Views count 2021

157
Views count 2012-2021

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^b Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka

Language,
Analytics,
Systematic Critical
review, Data
visualization,
Selection of Journal
= success for
research paper



THE Ranking 2022



PROFESSIONAL

CAMPUS

JOBs

EVENTS

RANKINGS

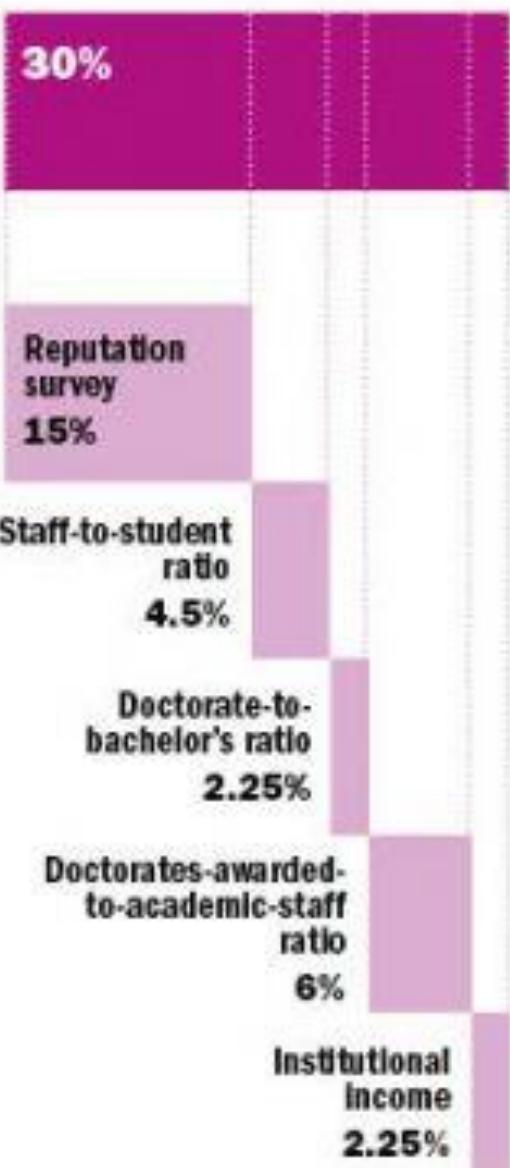
STUDEN

Rank	Name Country/Region	No. of FTE Students	No. of students per staff	Internation- al Students	Female:Male Ratio
401– 500	University of Peradeniya 	16,647	11.1	1%	59 : 41
801– 1000	University of Colombo 	30,227	31.1	0%	65 : 35
Reporter	Sri Lanka Institute of Information Technology 	10,272	40.6	0%	36 : 64

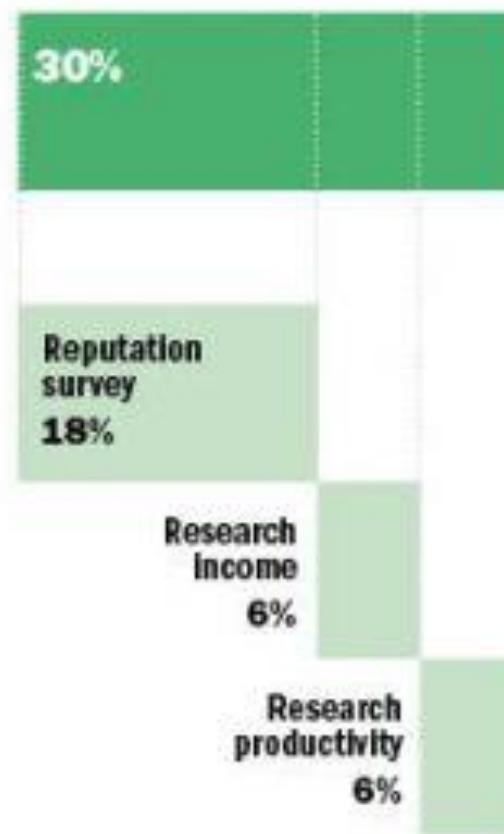
1 to 3 of 3 - Page 1 of 1 (filter)

Raaj Kumar Sah

Teaching (the learning environment)



Research (volume, income and reputation)



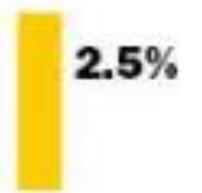
Citations (research influence)



International outlook (staff, students, research)



Industry income (knowledge transfer)



THE World University Rankings 2021:
methodology



Whys some prestigious institutions are not included in Ranking?

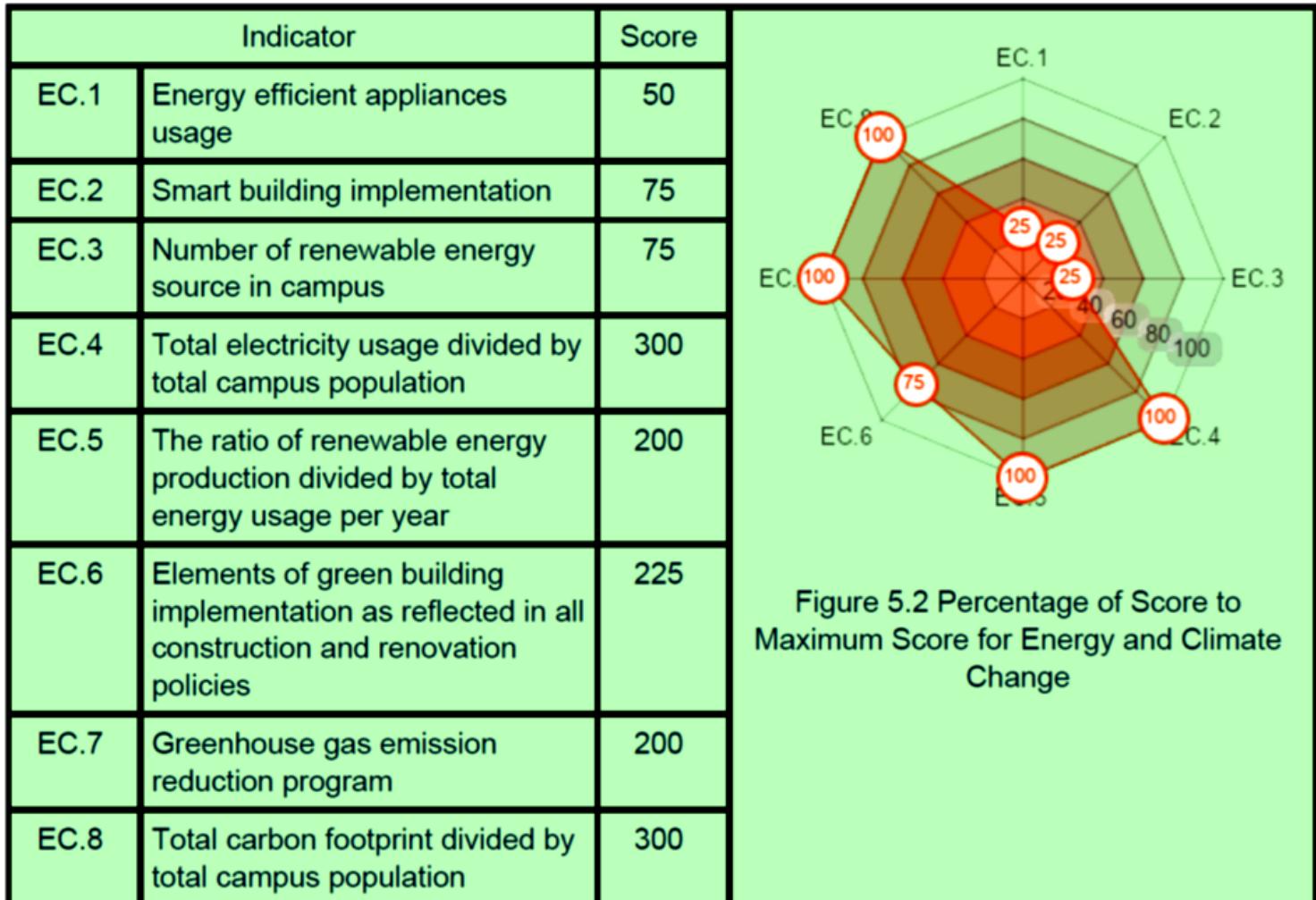
Too specialized,
only teaching
at one level

Not producing
enough highly
cited research



USJ achieved
a **world
ranking of
599** out of
912
participants
from **84**
countries.

Country Ranking	SI Ranking	EC Ranking	WS Ranking
6	6	1	6
	WR Ranking	TR Ranking	ED Ranking
	6	6	2



Skills

- Communication – Language
- Inferential statistics
- Systematic Review and Meta-analysis – Prof Mahesh Jayaweera
- Machine Learning
- Python or R
- Read current papers – Prof Neelika reads 5+ per day

Tools for impactful
research
Statistics
Data visualization
Machine Learning
Language – Scientific
writing

Simulations – Bootstrap



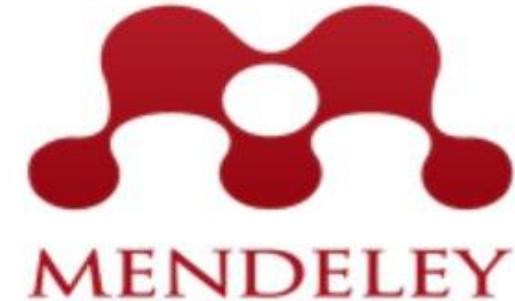
+a|**leau**



WEB OF SCIENCE



Scopus®



ORCID



RESEARCHERID

SRI
Surrey Research Insight



Academia.edu
share research



ResearchGate

Google™
Scholar



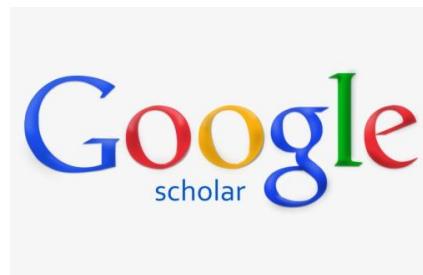
PUBLONS
EVALUATING ACADEMIC RESEARCH



What can you do? - Research

- Concentrate on Scopus not Google Scholar
- Need more citations
- New trends in publication – Topics, Titles, Data visualization
- IEEE Scopus indexed conferences
- Research Commercialization/ Patents

Sri Lankan Journal of Management



University symposia and Journals

- We provide doi for all journals, symposium abstracts, digital repository documents
- You get Google Scholar indexing
- You can submit to other indexing platforms (do not pay money!)

University Symposia and Journals

1

Need Scopus indexing

2

Do IEE conferences –
Eg

- UoM - MORCON
- SLAAS - 2020 From
Innovation to Impact (FITI)

3

Request Scopus
journal to publish
your full papers/
abstracts as a Special
Volume



Collaborate

- Within university, between and international
- International grant applications
- increase co-authorship for publications (and patents)

Internationalization

Recruit International students/ staff/ exchange

Accommodation and facilities for foreign students

Courses for International students

International collaboration – researchers, academics

Sri Lankans living abroad

Online courses

International office with hotline

What can you do? Diversify

- DP Education – Digital disruption
- New Disciplines – e.g. Data Science, Analytics
- Online Courses
- Blended Learning

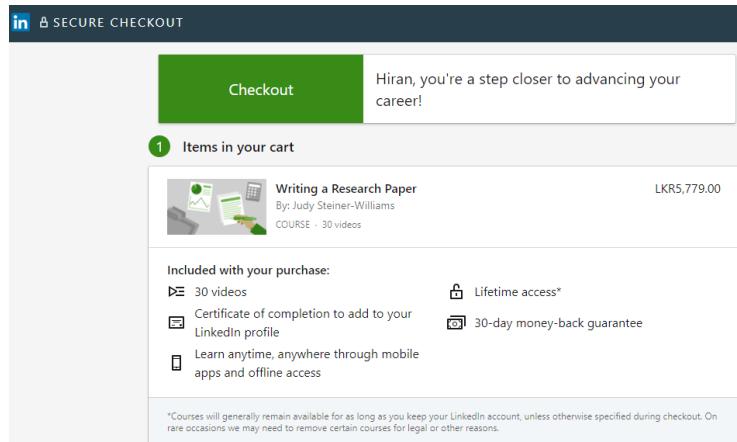
Collaborate more with USJ

Research (Nature papers have 40+ authors – increase the quality of the paper and citations (impact)

Innovations

Use USJ facilities – Coursera courses, Scopus database, digital book collection of the Management Faculty, Digital Library resources

If Possible, provide Financial support to Research tools – Scopus etc. which costs USG 18000 per year/ doi also costs money



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Learn from expert professionals and join the largest online community for creatives.

The image shows two course cards. The first card for "Introduction to Data Visualization" features a man in a teal t-shirt standing in front of a wall covered in various data visualizations like bar charts and line graphs. It has a price of €12.90 and a原价 of €39.90. The second card for "Data Visualization Design: Creative" shows a person working at a desk with a computer monitor displaying a circular data visualization. It has a price of €9.90 and a原价 of €39.90.

Introduction to Data Visualization

Data Visualization Design: Creative

A screenshot of a Coursera course page for "Writing in the Sciences" offered by Stanford. The page includes a search bar, navigation links for "Explore", "Health", and "Basic Science", and a "For Enterprise" link. The course card features a photo of Dr. Kristin Sainani, a 4.9 rating with 5,223 ratings, and a 97% completion rate. It shows 256,919 already enrolled students. There are "Go To Course" and "Already enrolled" buttons.

Learn new skills – Coursera, LinkedIn, Domestika etc. – Micro-credentials

USJ staff/ students can follow and get a certificate from Coursera free

The image consists of two main parts. On the left, there is a photograph of three electronic devices: a laptop, a smartphone, and a tablet. The laptop screen shows a red-themed interface with the word 'LMS' prominently displayed. The smartphone screen displays a dark-themed mobile application with a user profile picture and some text. The tablet screen shows a white-themed web page with a list of items. On the right, there is a screenshot of a university website for the University of Sri Jayewardenepura. The top navigation bar includes links for Home, Courses, Faculties, Students, Staff, Research, PIM, and a search icon. A large banner on the right side is titled 'Important Links during COVID-19 University Closure'. It features four yellow rectangular buttons with white text, each linking to a specific resource: 'LMS e Learning', 'Zoom Online Classes', 'Follow Free Coursera Courses', and 'Library Digital Repository'. Below this section, the word 'Health & Safety' is visible.

University of Sri Jayewardenepura
ශ්‍රී ජයෙන්ද්‍රපුර මධ්‍යමාල
ශ්‍රී ජයෙන්ද්‍රපුර ප්‍රාගධනකාලීන ව්‍යාපෘති

Home Courses Faculties Students Staff Research PIM

Important Links during COVID-19 University Closure

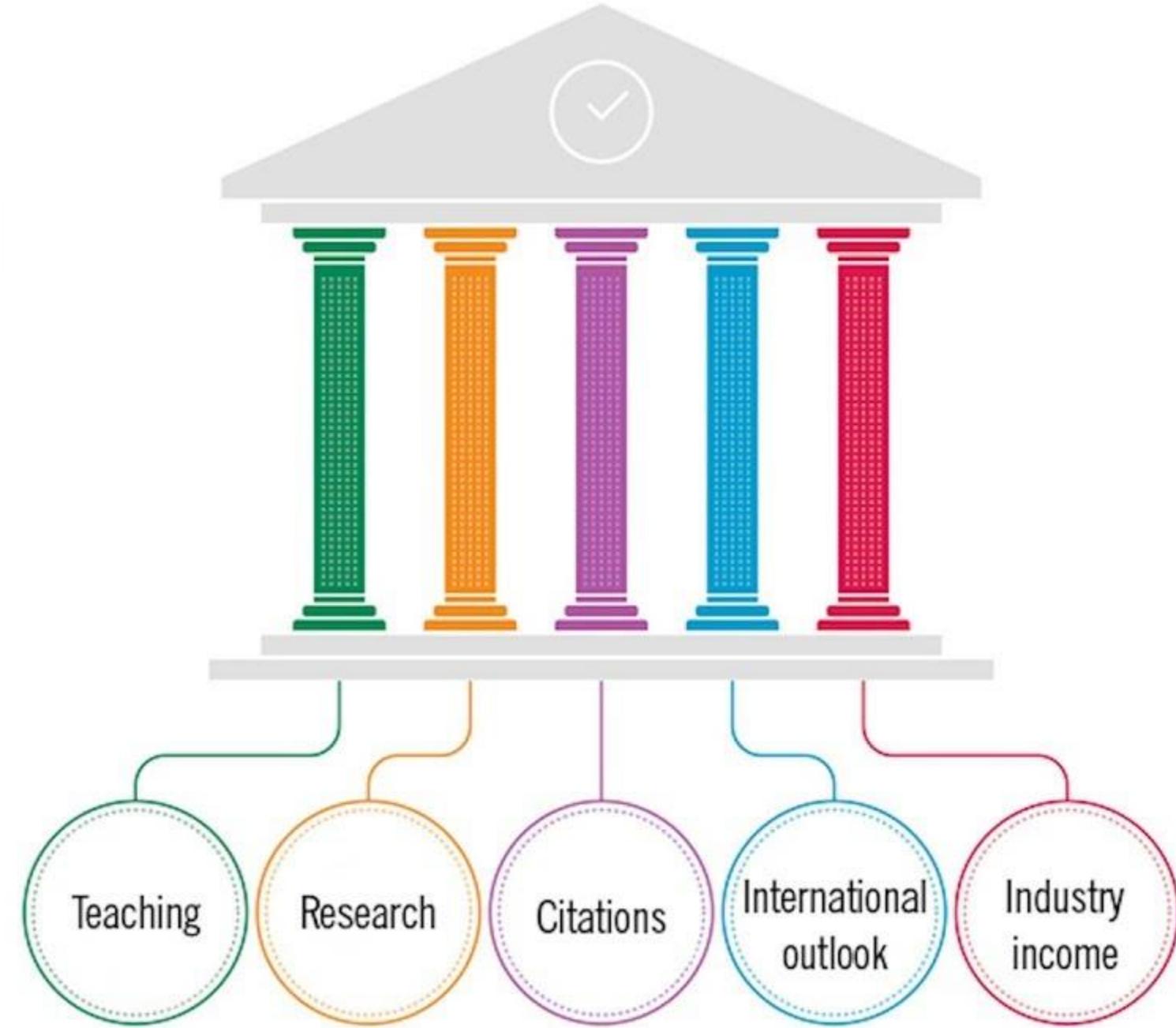
Learning

- LMS e Learning
- Zoom Online Classes
- Follow Free Coursera Courses
- Library Digital Repository

Health & Safety



A quick guide to our methodology





vs.



What is world class university?

Prof Hiran Amarasekera

hiran@sjp.ac.lk

