

Curriculum Vitae - Prof. Abdeslam ASEHRAOU

Name: ASEHRAOU

First name: Abdeslam

Nationality: Moroccan

Date of birth: May 10, 1966, Demnate (Morocco)

Full Professor at the University Mohammed Premier (UMP), Oujda, Morocco

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Education (last degree) : PhD, Microbiology (1999) at University Mohammed Premier, Oujda, Morocco

Current position:

- Professor of Food Microbiology and Biotechnology: University Mohammed Premier, Faculty of Sciences, Oujda, Morocco. (since 1995 to ...)
- Coordinator of the Research Team of « Microbial Biotechnology », Laboratory of Bioresources, Biotechnology, Ethnopharmacology and Health, University Mohammed Premier, Faculty of Sciences, Oujda, Morocco. (2020-2024)

Educational activities: General Microbiology, Food microbiology, Microbial biotechnology

Research topics:

- Selection of probiotic starters (Lactic acid bacteria and yeasts) for food fermentations;
- Development of antimicrobials from natural (microorganisms, plants) and synthetic molecules;
- Selection of microorganisms (lactic acid bacteria, yeasts, molds) with important enzymatic activities (beta-glucosidase, lipase, xylanase, protease...) of industrial and environmental applications.

Research profiles :

- Scopus : <https://www.scopus.com/authid/detail.uri?authorId=56009868100> (H-index : 18)
- Google Scholar : <https://scholar.google.com/citations?user=hmQ1GVwAAAAJ&hl=fr&oi=ao> (H-index: 22).
- Web of Science Researcher ID: G-1872-2016
- ORCID: <https://orcid.org/0000-0001-5195-8217>
- PhD thesis: supervised (07), in progress (04), examined (23)
- Masters: supervised (18), examined (28)

Patent :

- Asehraou A., Ghabbour N. et Rokni Y. 2018. A bio-product for improving preservation conditions of fermented green olives during storage. Moroccan Office of Industrial and Commercial Property (OMPIC, Morocco), Patent number: MA 39150 A1. (<http://www.ompic.org.ma/en>)

Award, 2017: Award of innovation (3rd place) of the Euro-mediterranean competition (countries 5+5 : Portugal, Spain, France, Italy, Malte, Morocco, Tunisia, Mauritanie, Algeria & Libya), Action : Entrepreneurship, on the project «A bio-process for green table olive processing».

Evaluation of Scientific Research projects for public Scientific Research Centers and Universities (Morocco, Qatar, Poland).

Reviewer for scientific journals: International Journal of Food Microbiology, Current Microbiology, Applied Biochemistry and Biotechnology, Polycyclic and aromatic compounds, Archive of microbiology, Journal of Molecular Structure, Biocatalysis and Agricultural Biotechnology, MDPI journals (Toxins, Coatings, Agriculture, Molecules), Preparative Biochemistry & Biotechnology, Frontiers in Food Science and Technology, Environmental Science and Pollution Research.

Research projects (2018-2023):

- Coordinator at the University Mohammed Premier of the European project Erasmus+, CBHE, 2021-2023 (ref : 618518-EPP-1-2020-1-PT-EPPKA2-CBHE-JP), entitled: Enhancing Food Safety in the Mediterranean (FoSaMed), Partners . University of Evora, Univ. of Barcelona, Univ. Mediterranean (UNIMED), IAV-Hassan-II, Univ. Ibn Tofail (Kenitra), ENA(Meknes), Univ. Mohammed Premier (Oujda). Program: EPPKA2 - Cooperation for innovation and exchange of good practices, Action: CBHE-JP - Capacity Building in higher education - Joint Projects.

- Coordinator of the project PHC-Maghreb (01MAG20), 2020-2022, entitled « Biodiversity of microorganisms of biotechnological interest, isolated from extreme environments: enzymatic processes and their impact on the environment », partners: University of Claude Bernard Lyon 1-France, Centre of Biotechnology of Sfax-Tunisia, FSB-USTHB à Alger-Algeria, University Chouaib Eddoukali, Morocco, University Mohammed Premier -Oujda-Morocco.
- Coordinator of the project Morocco-Italy (CNRST/307/2018), 2018-2019, on: « application of antifungal lactic acid bacteria against post-harvest spoilage of certain fruits of Morocco and Italy (orange, apple, peach, nectarine) », University Mohammed Premier, Oujda, Morocco & Institute of Sciences of Food Production, CNR Italy.
- Coordinator of Morocco-Tunisia project (17/TM/06), 2017-2019, on: « application of lactic acid bacteria in the preservation of meat and olives ». Ministry of Higher Education and Scientific Research (Morocco)
- Coordinator of the project CNRST, Morocco (CNRST/PPR1/2015/19), 2015-2020, on: «Development of a new process for green table olive processing with probiotic properties ».

Book Chapters :

- Houssam Abouloifa, Ismail Hasnaoui, Yahya Rokni, Reda Bellaouchi, Nabil Ghabbour, Salwa Karboune, Milena Brasca, Abdelkarim Abousalham, Bassem Jaouadi, Ennouamane Saalaoui, Abdeslam Asehrou. 2022. Antifungal activity of lactic acid bacteria and their application in food biopreservation. *Advances in Applied Microbiology*. <https://www.sciencedirect.com/science/article/pii/S006521642200020X?dgcid=author>
- Abouloifa H., Rokni Y., Ghabbour N., Karboune S., Brasca M., D'hallewin G., Ben Salah R., Ktari N., Saalaoui E., Asehrou A. 2021. Probiotics from Fermented Olives; in: *Olives and Olive Oil in Health and Disease Prevention, Second Edition*. Edited by Ronald Ross Watson and Victor R Preedy, Elsevier, Academic Press, London, pp: 215-229. <https://www.elsevier.com/books/olives-and-olive-oil-in-health-and-disease-prevention/preedy/978-0-12-819528-4>.

Publications (2018-2023) :

- Jerdioui S., Zahraoui K., Elansari L. L., Bouammali H. Zelmimi N., Taibi M., Moumnassi S., Sabbahi R., Azzaoui K., Nandiyanto A.B.D., Bellaouchi R., Asehrou A. 2024. Synthesis and Characterization of Phosphocalcic Apatites with Phosphite Ions for Biomedical Applications. *Mor. J. Chem.*, 2024, Volume 12, Issue 1, Page 233-248. <https://doi.org/10.48317/IMIST.PRSM/morjchem-v12i1.44324>.
- Yousra Hammouti, Amine Elbouzidi, Mohamed Taibi, Reda Bellaouchi, El Hassania Loukili, Mohamed Bouhrim 4,5, Omar M. Noman, Ramzi A. Mothana, Mansour N. Ibrahim, Abdeslam Asehrou, Bouchra El Guerrouj and Mohamed Addi. 2023. Screening of Phytochemical, Antimicrobial, and Antioxidant Properties of *Juncus acutus* from Northeastern Morocco. *Life* 2023, 13, 2135. <https://doi.org/10.3390/life13112135>.
- Nora Hamdaoui, Yahya Rokni, Abdeslam Asehrou, Mohamed Mouncif, Zakaria Mennane, Abdelouadoud Omari1, Asmae Sellam, Belkheir Hammouti, Mustapha Meziane. 2023. Technological Aptitude and Sensitivity of Lactic Acid Bacteria *Leuconostoc* Isolated from Raw Milk of Cows: From Step-by-Step Experimental Procedure to the Results. *Indonesian Journal of Science & Technology*, 8(2) (2023), 157-170. <http://ejournal.upi.edu/index.php/ijost/>.
- Houssam Abouloifa, Sara Gaamouche, Meryem Idrissi Yahyaoui, Sara Moumnassi, Ismail Hasnaoui, Reda Bellaouchi, Yahya Rokni, Nabil Ghabbour, Ennouamane Saalaoui, Abdeslam Asehrou. 2023. The efficiency of *Lactiplantibacillus plantarum* S61 strain as protective cultures in ground beef against foodborne pathogen *Escherichia coli*. *World Journal of Microbiology and Biotechnology*, (2023), 39: 327. <https://doi.org/10.1007/s11274-023-03763-5>.
- El Hassania Loukili, Safae Ouahabi, Amine Elbouzidi, Mohamed Taibi, Meryem Idrissi Yahyaoui, Abdeslam Asehrou, Abdellah Azougay, Asmaa Saleh, Omkulthom Al Kamaly, Mohammad Khalid Parvez, Bouchra El Guerrouj, Rachid Touzani and Mohammed Ramdani. 2023. Phytochemical Composition and Pharmacological Activities of Three Essential Oils Collected from Eastern Morocco (*Origanum compactum*, *Salvia officinalis*, and *Syzygium aromaticum*): A Comparative Study. *Plants* 2023, 12, 33, 76. <https://doi.org/10.3390/plants12180000>.
- A. Oulous, T. Harit, M. Idrissi Yahyaoui, A. Asehrou, F. Malek 2023. New family of tetrazole-pyrazole compounds: Synthesis, characterization, antimicrobial activity and docking study, *Arabian Journal of Chemistry* (2023), doi: <https://doi.org/10.1016/j.arabjc.2023.105268>.
- Salima Haddou, Kadi Mounime, El Hassania Loukili, Douâae Ou-yahia, Asmae Hbika, Meryem Yahyaoui Idrissi, Abdelkhaleq Legssyer, Hassane Lgaz, Abdeslam Asehrou, Rachid Touzani, Belkheir Hammouti, Abdelkrim Chahine. 2023. Investigating the Biological Activities of Moroccan Cannabis *Sativa* L Seed Extracts: Antimicrobial, Anti-inflammatory, and Antioxidant Effects with Molecular Docking Analysis. *Mor. J. Chem.*, 2023, 11(44), 1116-1136. <https://doi.org/10.48317/IMIST.PRSM/morjchem-v11i04.42100>.

- Dab A., Ismail Hasnaoui, Sondes Mechri, Fawzi Allala, Khelifa Bouacem, Alexandre Noiriél, Amel Bouanane-Darenfed, Ennouamane Saalaoui, Abdeslam Asehraou, Fanghua Wang, Abdelkarim Abousalham, Bassem Jaouadi. (2023) Biochemical characterization of an alkaline and detergent-stable Lipase from *Fusarium annulatum* Bugnicourt strain CBS associated with olive tree dieback. *PLoS ONE* 18(5): e0286091. <https://doi.org/10.1371/journal.pone.0286091>.
- Mounir cherfi, Tarik Harit, Ikram Dib, Meryem Idrissi Yahyaoui, Abdeslam Asehraou, Abderrahmane Yahyi, Abderrahim Ziyat, Fouad Malek. 2023. Pyrazole-tetrazole hybrid compounds: Synthesis, characterization and their biological activities. *Chemical Data Collections*, 45 (2023) 101026 <https://doi.org/10.1016/j.cdc.2023.101026>.
- Ismail Hasnaoui, Houssam Abouloifa, Yahya Rokni, Reda Bellaouchi, Meryem Idrissi Yahyaoui Ennouamane Saalaoui, Alexandre Noiriél, Abdelkarim Abousalham, Kamal Essifi, Abdesselam Tahani, Bassem Jaouadi, Abdeslam Asehraou. 2023. Antimicrobial activity of *Lactiplantibacillus* and *Levilactobacillus* strains isolated from fermented olive and their application in milk and Pastilla leaf biopreservation. *Journal of Microbiology, Biotechnology and Food Sciences*, <https://doi.org/10.55251/jmbfs.6021>.
- Mohamed Taibi, Amine Elbouzidi, Douaa Ou-Yahia, Mohammed Dalli, Reda Bellaouchi, Aziz Tikent, Mohammed Roubi, Nadia Geyra, Abdeslam Asehraou, Christophe Hano, Mohamed Addi, Bouchra El Guerrouj and Khalid Chaabane. 2023. Assessment of the Antioxidant and Antimicrobial Potential of *Ptychotis verticillata* Duby Essential Oil from Eastern Morocco: An In Vitro and In Silico Analysis. *Antibiotics*. <https://doi.org/10.3390/antibiotics12040655>.
- Ghabbour N, Rokni Y, Abouloifa H, Bellaouchi R, Hasnaoui I, Gaamouche S, Houmy N, El Yamani M, Ben Salah R, Ktari N, Saalaoui E, Asehraou A. 2023. Controlled fermentation of heat-shocked, un-salted and inoculated Moroccan Picholine green olives. *Grasas Aceites*. <https://doi.org/10.3989/gya.0890211>.
- Nadia Hidar, Abdelhamid Noufid, Houssam Abouloifa, Mohammed Mouhib, Abdeslam Asehraou, Abderrahim Jaouad, Mostafa Mahrouz. 2023. Comparative study of two preservation methods (freeze drying and gamma irradiation) on the phenolic profile, antioxidant and antimicrobial activities of the essential oils of stevia. *Journal of Food Measurement and Characterization*. <https://doi.org/10.1007/s11694-023-01904-w>.
- F. E.Tabaght, K. Azzaoui, A. El Idrissi, S. Jodeh, B. Khalaf, L. Rhazi, R. Bellaouchi, A. Asehraou, B. Hammouti & R. Sabbahi. 2023. Synthesis, characterization, and biodegradation studies of new cellulose-based polymers. *Scientific Reports*, (2023), 13 : 1673. <https://doi.org/10.1038/s41598-023-28298-5>.
- Hassan Erraji, Abdeslam Asehraou, Anas Tallou, Yahya Rokni. 2023. Assessment of biogas production and fertilizer properties of digestate from cow dung using household biogas digester. *Biomass Conversion and Biorefinery*, <https://doi.org/10.1007/s13399-023-03818-5>.
- Chaymae Bourhou, Hind Benouda, Reda Bellaouchi, Mohammed Merzouki, Elmehdi Fraj, Tarik Harit, Allal Challioui, Abdeslam Asehraou, Rachid Touzani, Ismail Ozdemir, Boufelja Bouammali. 2023. Synthesis of novel tetrazolic derivatives and evaluation of their antimicrobial activity. *Journal of Molecular Structure*, <https://doi.org/10.1016/j.molstruc.2023.134913>.
- Ziani, I., Bouakline, H., Yahyaoui, M.I., Belbachir Y., Fauconnier M.L., Asehraou A., Tahani A., Talhaoui A., El Bachiri A. 2022. The effect of ethanol/water concentration on phenolic composition, antioxidant, and antimicrobial activities of *Rosmarinus tournefortii* de Noé hydrodistillation solid residues. *Food Measure* (2022). <https://doi.org/10.1007/s11694-022-01722-6>.
- Hasnaoui I., Dab A., Mechri S., Abouloifa H., Saalaoui E., Jaouadi B., Noiriél A., Asehraou A., and Abousalham A. 2022. Purification, Biochemical and Kinetic Characterization of a Novel Alkaline sn-1,3-Regioselective Triacylglycerol Lipase from *Penicillium crustosum* Thom Strain P22 Isolated from Moroccan Olive Mill Wastewater. *Int. J. Mol. Sci.* 2022, 23, 11920. <https://doi.org/10.3390/ijms231911920>.
- Mechri S., Allala F., Bouacem K., Hasnaoui I., Gwaithan H., Chalbi T.B., Saalaoui E., Asehraou A., Noiriél A., Abousalham A., Hacene H., Bouanane-Darenfed A., Le Roes-Hill M., Jaouadi B. 2022. Preparation, characterization, immobilization, and molecular docking analysis of a novel detergent-stable subtilisin-like serine protease from *Streptomyces mutabilis* strain TN-X30. *International Journal of Biological Macromolecules*. <https://doi.org/10.1016/j.ijbiomac.2022.09.161>.
- Cherfi M., Harit T., Idrissi-Yahyaoui M., Asehraou A., Malek F. 2022. New tetrapodal pyrazole-tetrazole ligands: Synthesis, characterization, and evaluation of antibacterial activity. *Polycyclic Aromatic Compounds*, <https://doi.org/10.1080/10406638.2022.2105912>.
- Abouloifa H., Rokni Y., Hasnaoui I., Bellaouchi R., Gaamouche S., Ghabbour N., Karboune S., Ben Salah R., Brasca M., D'hallewin G., Saalaoui E., Asehraou A. 2022. Characterization of antimicrobial compounds obtained from the potential probiotic *Lactiplantibacillus plantarum* S61 and their application as a biopreservative agent. *Brazilian Journal of Microbiology*, <https://doi.org/10.1007/s42770-022-00791-5>.

- Abouloifa H., Hasnaoui I., Ben Slima S., Rokni Y., Gaamouche S., Trabelsi I., Bellaouchi R., Ghabbour N., Ben Salah R., Jaouadi B., Saalaoui E., Asehraou A. 2022. Bio-preservation effect of probiotic *Lactiplantibacillus plantarum* S61 against *Rhodotorula glutinis* and *Listeria monocytogenes* in poultry meat. *Current Microbiology*, 79: 232. <https://doi.org/10.1007/s00284-022-02923-4>.
- Ouahhoud S., Khoulati A., Kadda S., Bencheikh N., Mamri S., Ziani A., Baddaoui S., Eddabbeh F.E., Lahmass I., Benabbes R., Addi M., Hano C., Asehraou A. and Saalaoui E. 2022. Antioxidant Activity, Metal Chelating Ability and DNA Protective Effect of the Hydroethanolic Extracts of *Crocus sativus* Stigmas, Tepals and Leaves. *Antioxidants* 2022, 11, 932. <https://doi.org/10.3390/antiox11050932>.
- MAMRI S., DAOUDI N.E., MARGHICH M., OUAHHOUD S., KHOULATI A., CHOUKRI M., ASEHRAOU A., BNOUHAM M., SAALAOUI E. 2022. Protective effect of *Crocus sativus* stamens extract on gentamicin-induced nephrotoxicity and oxidative damage in rat kidney. *Journal of Experimental Biology and Agricultural Sciences*, 2022; 10(1), 73-82. DOI: [http://dx.doi.org/10.18006/2022.10\(1\).73.82](http://dx.doi.org/10.18006/2022.10(1).73.82).
- Cherfi M., Harit T., Idrissi-Yahyaoui M., Riahi A., Asehraou A. and Malek F. 2022. Synthesis, antimicrobial activity and in-silico docking of two macrocycles based on pyrazole-tetrazole subunit. *Journal of Molecular Structure*. <https://doi.org/10.1016/j.molstruc.2022.132947>.
- Correa-Galeote, D., Ghomari, I., Asehraou, A., González-López, J. 2022. Revealing the bacterial abundance and diversity in brines from started Spanish-style green table olives, *LWT - Food Science and Technology* (2022), doi: <https://doi.org/10.1016/j.lwt.2022.113212>.
- Tiji S., Mohammed Lakrat, Yahya Rokni, El Miloud Mejdoubi, Christophe Hano, Mohamed Addi, Abdeslam Asehraou and Mostafa Mimouni. 2022. Characterization and Antimicrobial Activity of *Nigella sativa* Extracts Encapsulated in Hydroxyapatite Sodium Silicate Glass Composite. *Antibiotics*, 2022, 11, 170. <https://doi.org/10.3390/antibiotics11020170>.
- Bouabdallah I., Tarik Harit, Yahya Rokni, Mahmoud Rahal, Monique Tillard, Driss Eddike, Abdeslam Asehraou, and Fouad Malek. 2022. A New C,C-Linked Functionalized Bipyrazole: Synthesis, Crystal Structure, Spectroscopies and DFT Studies. Evaluation of the Antibacterial Activity and Catalytic Properties. *Heterocycles*, 104, 3,495-511. DOI: 10.3987/COM-21-14592.
- Chouikhi A., Naourez Ktari, Sana Bardaa, Amina Hzami, Sirine Ben Slima, Imen Trabelsi, Abdeslam Asehraou, Riadh Ben Salah. 2022. A novel probiotic strain, *Lactiplantibacillus plantarum* LC38, isolated from Tunisian camel milk promoting wound healing in Wistar diabetic rats. *Archives of Microbiology*, 2022) 204:24. <https://doi.org/10.1007/s00203-021-02634-7>.
- Erraji H., Mohamed Elamin Afilal, Abdeslam Asehraou, Khalid Azim. 2021. Biogas and digestate production from food waste: a case study of dome digester in Morocco. *Biomass Conversion and Biorefinery*. <https://doi.org/10.1007/s13399-021-01999-5>.
- Tiji S., Yahya Rokni, Oujidane Benayad, Nassima Laaraj, Abdeslam Asehraou, and Mostafa Mimouni. 2021. Chemical Composition Related to Antimicrobial Activity of Moroccan *Nigella sativa* L. Extracts and Isolated Fractions. *Evidence-Based Complementary and Alternative Medicine*, <https://doi.org/10.1155/2021/8308050>.
- Rokni Y., Abouloifa H., Ghabbour N., Bellaouchi R., Chaoui J., Hasnaoui A., Karboune S., Saalaoui E. and Asehraou A. 2021. β -Glucosidase activity of *Lactobacillus plantarum* FSO1 and *Candida pelliculosa* L18 isolated from fermenting Moroccan green olive. *Journal of Genetic Engineering and Biotechnology*. DOI: [10.1186/s43141-021-00213-3](https://doi.org/10.1186/s43141-021-00213-3).
- Ouahhoud Sabir., Touiss I., Lahmass I., Mamri S., Meziane M., Ellassri S., Bencheikh N., Benabbas R., Asehraou A., Choukri M., Saalaoui E. 2021. Hepatoprotective effects of hydroethanolic extracts of *Crocus sativus* tepals, stigmas and leaves on carbon tetrachloride induced acute liver injury in rats. *Physiol Pharmacol* 2021, 25(2), 178-188. DOI : [10.32598/ppj.25.2.30](https://doi.org/10.32598/ppj.25.2.30).
- Khoulati, A., Ouahhoud S., Bekkouch O., Mamri S., Choukri M., Amrani S., Asehraou A. Saalaoui E. 2021. Impact of the saffron extract on growth and antioxidant enzymes activity of *Solanum lycopersicum* L. seedlings in Moroccan open field conditions. *Vegetos*. <https://doi.org/10.1007/s42535-021-00238-6>.
- Abouloifa H., Gaamouche S., Rokni Y., Hasnaoui I., Bellaouchi R., Ghabbour N., Karboune S., Brasca M., D'hallewin G., Ben Salah R., Saalaoui E. and Asehraou A. 2021. Antifungal activity of probiotic *Lactobacillus* strains isolated from natural fermented green olives and their application as food bio-preservative. *Biological Control*, 152, 104450. <https://doi.org/10.1016/j.biocontrol.2020.104450>.

- Reda Bellaouchi, Houssam Abouloifa, Yahya Rokni, Amina Hasnaoui, Nabil Ghabbour, Abdelkader Hakkou, Abdelmajid Bechchari and Abdeslam Asehraou. 2021. Characterization and optimization of extracellular enzymes production by *Aspergillus niger* strains isolated from date by-products. *Journal of Genetic Engineering and Biotechnology*. <https://doi.org/10.1186/s43141-021-00145-y>.
- Karima Alaoui, Zouheir Chafik, Mourad Arabi, Houssam Abouloifa, Abdeslam Asehraou, Jabir Chaoui, Ez-Zahra Kharmach. 2021. In vitro antifungal activity of *Lactobacillus* against potato Late blight *Phytophthora infestans*. *Materials Today : Proceedings*. <https://doi.org/10.1016/j.matpr.2021.03.338>.
- Fatima Brahmi, Ouafae Mokhtari, Bouchra Legssyer, Imad Hamdani, Abdeslam Asehraou, Ismail Hasnaoui, Yahya Rokni, Khaoula Diass, Imane Oualdi, Abdeslam Tahani. 2021. Chemical and biological characterization of essential oils extracted from citrus fruits peels. *Materials Today : Proceedings*. <https://doi.org/10.1016/j.matpr.2021.03.587>.
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- Khoulati, A., Ouahhoud S., Mamri S., Meziane M., Choukri M., Asehraou A. Saalaoui E. 2020. Valorization of Moroccan *Crocus sativus* L. by-products: foliar spraying of aqueous tepal extract stimulates growth and confers antioxidant properties in eggplant seedling under greenhouse conditions. *BioMed Research International*, <https://doi.org/10.1155/2020/8812157>.
- Tarik Harit, Mounir Cherfi, Houssam Abouloifa, Jalal Isaad, Ibrahim Bouabdallah, Mahmoud Rahal, Abdeslam Asehraou & Fouad Malek. 2020. Synthesis, Characterization, Antibacterial Properties and DFT Studies of Two New Polypyrazolic Macrocycles, *Polycyclic Aromatic Compounds*, 40:5, 1459-1469, DOI: 10.1080/10406638.2018.1555175.
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- Tabaght F. E., El Idrissi A., Aqil M., Benahemad A., El Barkany S., Bellaouchi R. and Asehraou A. 2020. Synthesis and characterization of (thio)carbamates based on cellulose and cellulose acetate: biodegradation and solubility studies. *Cellulose Chem. Technol.*, 54 (3-4), 207-223(2020). <https://doi.org/10.35812/CelluloseChemTechnol.2020.54.23>.
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- Sirine Ben Slima, Imen Trabelsi, Naourez Ktari, Mouna Kriaa, Asehraou Abdeslam, Ana Maria Herrero, Francisco Jiménez-Colmenero, Claudia Ruiz-Capillas and Riadh Ben Salah. 2020. Modeling the influence of functional additives in beef sausages using a Box-Benken design: Effects on quality characteristics. *Food Bioscience*. <https://doi.org/10.1016/j.fbio.2020.100572>.
- Ghabbour N., Rokni Y., Abouloifa H., Bellaouchi R., Chihib N., Ben Salah R., Lamzira Z. and Asehraou A. 2020. In vitro Biodegradation of Oleuropein by *Lactobacillus plantarum* FSO175 in stress conditions (pH, NaCl and glucose). *Journal of Microbiology, Biotechnology and Food Sciences*, 9(4), 769-773. DOI: 10.15414/jmbfs.2020.9.4.769-773.
- Tabaght F. E., El Idrissi A., Benarbia A., Achelhi N., Aqil M., El Barkany S., Bellaouchi R. and Asehraou A. 2020. Grafting of Biodegradable Polyesters on Cellulose for Biocomposites: Characterization and Biodegradation. *International Polymer Processing*, 35 (1): 107-120. <https://doi.org/10.3139/217.3869>.
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