



INTERNATIONAL UNIVERSITY OF SARAJEVO
INTERNACIONALNI UNIVERZITET U SARAJEVU

International University of Sarajevo			
PRIMLJENO-ARHIVE 01.02.2024			
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BILINGUAL REPORT – DVOJEZIČNI IZVJEŠTAJ

**COMMITTEE FOR PREPARATION OF PROPOSALS FOR APPOINTMENT
INTO ACADEMIC TITLE OF FULL PROFESSOR FOR THE SCIENTIFIC AREA OF "BIOLOGICAL SCIENCES"**

To the Faculty Council of the Faculty of Engineering and Natural Sciences

Pursuant to Article 124, of the Law on Higher Education ("Official Gazette of Sarajevo Canton" 36/22) and based on the Decision of the Council of the Faculty of Engineering and Natural Sciences, number: IUS-FENS 06-206/24, acting in accordance with the submitted Confirmation by the Faculty Secretary No. IUS-FENS-06-114/24 (attached to this Report) the Committee for preparation of proposals for the appointment to academic title of full professor for scientific area of *Biological Sciences*, composed of:

1. **Dr. Kasim Bajrović**, full professor at the Faculty of Science and Mathematics of the University of Sarajevo; appointed for the scientific field of *Genetics and biotechnology*, chairman,
2. **Dr. Ahmet Yildirim**, full professor at the Faculty of Engineering and Natural Sciences of the International University of Sarajevo; appointed for the scientific field of *Biological Sciences*, member,
3. **Dr. Lutvija Karić**, full professor at the Faculty of Agriculture and Food Sciences of the University of Sarajevo; appointed for the scientific field of *Plant agricultural production*, member.

evaluated the application of Dr. Mohamed Ibrahim for the appointment to position of Full professor for the scientific area of *Biological Sciences* upon public vacancy announcement published in the newspaper *Nezavisne novine* and web page on December 26th, 2023, and submits the following

REPORT with a Proposal for Appointment to the Academic Title

Applicant's name: DR. MOHAMED IBRAHIM per his application for appointment into academic title of Full professor

Dr. Mohamed Ibrahim was born in Fayum, Egypt in 1973. He graduated in 1995 from Minia University, Faculty of Science, Department of Botany. At the same university Dr. Ibrahim obtained a degree of Master of Science at Department of Botany in 1997. In 2003, Dr. Ibrahim was awarded the Higher Diploma of Study and Research (DSER) at Faculty of Sciences of University of Bourgogne in France.

Dr. Ibrahim obtained the PhD degree from Faculty of Sciences – Biology Department of the University of Perpignan in 2008.

Dr. Ibrahim has extensive work experience at higher education institutions. Currently, Dr. Ibrahim holds the position of associate professor in the field of Biological Sciences at the Faculty of Engineering and Natural Sciences at the International University of Sarajevo.



KOMISIJA ZA PRIPREMANJE PRIJEDLOGA ZA IZBOR U AKADEMSKO ZVANJE REDOVNOG PROFESORA ZA NAUČNU OBLAST „BIOLOŠKE NAUKE“

VIJEĆU FAKULTETA PRIRODNIH I TEHNIČKIH NAUKA

Na osnovu člana 124. Zakona o visokom obrazovanju („Službene novine Kantona Sarajevo“ 36/22), postupajući na osnovu Odluke Vijeća Fakulteta prirodnih i tehničkih nauka, broj: IUS-FENS 06-206/24 i Potvrde sekretara fakulteta, broj: IUS-FENS-06-114/24, koja je sastavni dio ovog izvještaja, Komisija za pripremanje prijedloga za izbor u akademska zvanja za naučnu oblast „Biološke nauke“, u sastavu:

1. **Dr. Kasim Bajrović**, redovni profesor na Prirodno-matematičkom fakultetu Univerziteta u Sarajevu, izabran za oblast „Genetika i biotehnologija“, predsjednik,
2. **Dr. Ahmet Yildirim**, redovni profesor na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu, izabran za oblast „Biološke nauke“, član, i
3. **Dr. Lutvija Karić**, redovna profesorica na Poljoprivredno-prehrambenom fakultetu Univerziteta u Sarajevu, izabrana za oblast „Biljna poljoprivredna proizvodnja“, član.

nakon izvršene analize prijave za zvanje Redovnog profesora, podnesene po javnom konkursu od 26.12.2023. godine u dnevnim novinama „Nezavisne novine“ i internet stranici Internacionalnog univerziteta u Sarajevu, od strane aplikanta dr. Mohameda Ibrahima, Komisija podnosi *sljedeći*:

IZVJEŠTAJ sa prijedlogom za izbor u zvanje

Kandidat: DR. MOHAMED IBRAHIM, postupajući po prijavi za zvanje redovnog profesora

Dr. Mohamed Ibrahim rođen je 1973. godine u Fayumu, Arapska Republika Egipat. Diplomirao je na Odsjeku za botaniku, Fakulteta prirodnih nauka na Minia univerziteta u Egiptu 1995. godine.

Na istom univerzitetu je stekao i diplomu magistra nauka iz botanike 1997. godine. Potom, 2003. godine, Dr. Ibrahim je potom na Fakultetu prirodnih nauka na Univerzitetu Bourgogne u Francuskoj stekao „Višu diploma studija i istraživanja“. Doktorirao je 2008. godine na Perpignan univerzitetu u Perpignanu, Francuska, Odsjek za biologiju na Fakultetu prirodnih nauka.

Dr. Ibrahim ima višegodišnje iskustvo rada na visokoškolskim ustanovama. Trenutno, dr. Ibrahim ima zvanje vanrednog profesora za oblast „Biološke nauke“ na Fakultetu prirodnih i tehničkih nauka, Internacionalnog univerziteta u Sarajevu.



A. EDUCATION / OBRAZOVANJE

PhD	Faculty of Sciences – Biology Dept, University of Perpignan, Perpignan, FRANCE	2008
Master of Science	Faculty of Sciences – Biology Dept, University of Bourgondy, Dijon, FRANCE	2003
Master of Science	Faculty of Sciences – Botany Dept, Minia University, Minia, EGYPT	1997
Bachelor of Science	Faculty of Sciences – Botany Dept, Minia University, Minia, EGYPT	1995

B. WORK EXPERIENCE / RADNO ISKUSTVO

Position / Title <i>Pozicija / Zvanje</i>	Program / Unit <i>Program / Odsjek</i>	University/Institution <i>Univerzitet/Institucija</i>	Dates <i>Datum</i>
Associate Professor <i>Vanredni profesor</i>	Genetics & Bioengineering	IUS	Dec. 2020 - danas
Associate Professor <i>Vanredni profesor</i>	Genetics & Bioengineering	IUS	Dec. 2014 – Dec. 2020
Assistant Professor <i>Docent</i>	Genetics & Bioengineering	IUS	Sept. 2010 – May 2015
Assistant Professor <i>Docent</i>	Genetics & Bioengineering	IUS	March 2009 – Dec. 2014
Postdoctoral research fellow <i>Postdoktorski istraživač</i>	Faculty of Sciences, LGDP Lab	Univ. of Perpignan, Perpignan, FRANCE	July 2008 – Dec. 2008
Senior Assistant <i>Viši asistent</i>	Faculty of Sciences – Botany Dept.	Fayoum University, Fayoum, EGYPT	July 2004 – July 2008
Assistant <i>Asistent</i>	Faculty of Sciences – Botany Dept.	Cairo University, Fayoum, EGYPT	January 1998 – June 2004
Assistant <i>Asistent</i>	Faculty of Sciences – Botany Dept.	Minia University, Minia, EGYPT	January 1996 – December 1997



C. TEACHING PORTFOLIO / NASTAVNI PORTOFOLIO

1st Cycle / Prvi ciklus studija

NS112 Understanding Science and Technology
NS202 Biochemistry I
BIO308 Plant Structure and Physiology
BIO310 Bioinformatics
BIO312 Techniques in Molecular Biology
BIO403 Plant Pathogenesis
BIO404 Agricultural Biotechnology
BIO407 Protein Engineering
BIO410 Ecology and environmental Biotechnology
BIO 412 Special Topics in Bioengineering
BIO420 Biophysics

2nd Cycle / Drugi ciklus studija

BIO507 Advanced Protein Engineering
BIO515 Bio-Imaging systems
BIO590 Master Thesis

3rd Cycle / Treći ciklus studija

BIO644 Advanced Plant Physiology
BIO645 Advanced Plant Biotechnology

D. LIST OF SCIENTIFIC AND OTHER PUBLICATIONS SINCE THE APPOINTMENT TO THE ACADEMIC TITLE OF ASSOCIATE PROFESSOR/ PREGLED NAUČNIH I DRUGIH RADOVA OD IZBORA U ZVANJE VANREDNOG PROFESORA

D.1. Journal Papers / Radovi objavljeni u načnim časopisima

1. Mohamed Ragab AbdelGawwad, Sükran Alpdemir and Edina Eminagic. 2015. Interactome Analysis and Docking Sites of PCNA Subunits Reveal New Function in Arabidopsis thaliana. Current Proteomics, 12(3): 152-167.
2. Secic Ena, Jasmin Sutkovic and Mohamed Ragab Abdel Gawwad. 2015. Interactome Analysis and Docking Sites Prediction of Radiation Sensitive 23 (RAD 23) Proteins in Arabidopsis Thaliana. Current proteomic, 12(4).
3. Mohamed R. AbdelGawwad and Mohamed A Musrati. 2015. In silico Structural and Functional Analysis of Arabidopsis thaliana's XPB Homologs. Current Proteomics, 12(4): 236-244.
4. Mohamed Ragab AbdelGawwad, Aida Kadunic, Muhamed Adilović, Aida Hamzi Kaljanac and Aida Maric. 2016. Analysis of DNA Damage-Binding Proteins (DDBs) in Arabidopsis thaliana

- and their Protection of the Plant from UV Radiation. *Current Proteomics*. 14 (2) 146-156. doi 10.2174/1570164614666161205143327.
5. Mohamed Ragab AbdelGawwad, Dilruba Ucuncu, Muhamed Adilović and Aida Marić. 2017. Interactome Analysis and Docking Site Prediction of Cockayne Syndrome A (CSA) Proteins in *Arabidopsis thaliana*. *Current Proteomics*, 14 (3) 242-251. doi 10.2174/1570164614666170118113545
 6. Jingjing Huang, Adnan Khan Niazi, David Young, Leonardo Astolfi Rosado, Didier Vertommen, Nandita Bodra, Mohamed Ragab AbdelGawwad, Florence Vignols, Bo Wei, Khadija Wahni, Talaat Bashandy, Laetitia Bariat, Frank Van Breusegem, Joris Messens, Jean-Philippe Reichheld, Self-protection of cytosolic malate dehydrogenase against oxidative stress in *Arabidopsis*, *Journal of Experimental Botany*, Volume 69, Issue 14, 22 June 2018, Pages 3491–3505, <https://doi.org/10.1093/jxb/erx396>
 7. AbdelGawwad, Mohamed R.; Marić, Aida; Al-Ghamdi, Abdullah A.; Hatamleh, Ashraf A. 2019. "Interactome Analysis and Docking Sites of MutS Homologs Reveal New Physiological Roles in *Arabidopsis thaliana*." *Molecules* 24, no. 13: 2493. <https://doi.org/10.3390/molecules24132493>
 8. Al Farraj, D., Ragab AbdelGawwad, M., Mehmood, A., Alsalme, A., Darwish, N., Al-Zaqri, N. and Warad, I., 2020. In-vitro antimicrobial activities of organic solvent extracts obtained from *Dipcadi viride* (L.) Moench. *Journal of King Saud University - Science*, <https://doi.org/10.1016/j.jksus.2020.01.007>
 9. AbdelGawwad, MR., Mahmood, A., Al Farraj, D., El-Abedein, A., Mahmoud, A. and Mohsin Bukhari, S., 2020. In-vitro antimicrobial activities of *Solanum villosum* (L.) lam; crude extract solvent comparison. *Journal of King Saud University - Science*. <https://doi.org/10.1016/j.jksus.2020.01.035>
 10. M. R. Abdel Gawwad, Mohamed Soliman Elshikh, and Haris Lokvancic. 2020. Interactome analysis and docking site prediction of DNA X-ray repair cross-complementing protein (XRCC) in *Arabidopsis thaliana*. *Network Biology*, 2020, 10(2): 32-44.
 11. AbdelGawwad, Mohamed Ragab, and Ali Taha Ozdemir. "Interactome Analysis and Docking Sites Prediction of (AtCHR8, AtCUL4 and AtERCC1/UVR7) Proteins in *Arabidopsis Thaliana*." *Heritage and Sustainable Development*, ISSN 2712-0554, 1 July 2020, hsd.ardascience.com/index.php/journal/article/view/32.
 12. Mohamed Ragab AbdelGawwad, Ensar Mahmutović, Dunia A. Al Farraj, Mohamed Soliman Elshikh, In silico prediction of silver nitrate nanoparticles and Nitrate Reductase A (NAR A) interaction in the treatment of infectious disease causing clinical strains of *E. coli*, *Journal of Infection and Public Health*, Vol. 13, no. 10, 2020, pp. 1580-1585. <https://doi.org/10.1016/j.jiph.2020.08.004>



13. A. Mahamat Baraka, K. Šabanović, and M. Ragab Abdel Gawwad, "An in-silico study of Polymerase Epsilon catalytic subunit proteins in *Arabidopsis thaliana*", *Bioengineering Studies*, vol. 1, no. 1, pp. 21–36, Dec. 2020. <https://doi.org/10.37868/bes.v1i1.id114>
14. Bindhu MR, Saranya P, Sheeba M, Vijilvani C, Rejiniemon TS, Al-Mohaimeed AM, AbdelGawwad MR, Elshikh MS. Functionalization of gold nanoparticles by β -cyclodextrin as a probe for the detection of heavy metals in water and photocatalytic degradation of textile dye. *Environ Res.* 2021 Jul 2; 201: 111628. DOI: 10.1016/j.envres.2021.111628
15. Asha S, Hentry C, Bindhu MR, Al-Mohaimeed AM, AbdelGawwad MR, Elshikh MS. Improved photocatalytic activity for degradation of textile dyeing waste water and thiazine dyes using PbWO₄ nanoparticles synthesized by co-precipitation method. *Environ Res.* 2021 Jul 19;200:111721. doi: 10.1016/j.envres.2021.111721
16. Murugan Prasathkumar, Kannan Raja, Krishnan Vasanth, Ameer Khusro, Subramaniam Sadhasivam, Muhammad Umar Khayam Sahibzada, Mohamed Ragab Abdel Gawwad, Dunia A. Al Farraj, Mohamed S. Elshikh. Phytochemical screening and in vitro antibacterial, antioxidant, anti-inflammatory, anti-diabetic, and wound healing attributes of *Senna auriculata* (L.) Roxb. Leaves. *Arabian Journal of Chemistry*, 14(9), 1-13. <https://doi.org/10.1016/j.arabjc.2021.103345>
17. SHAHEEN, F., KHAN, Z.I., AHMAD, T., ASHRAF, M.Y., AHMED, K., NAZAR, S., NADEEM, M., MEHMOOD, S., AWAN, M.U.F., ALWAHIBI, M.S., ELSHIKH, M.S., ABDELGAWWAD, M.R., Screening of Wheat (*Triticum aestivum* L.) Genotypes for Salt Tolerance on the Basis of Physiochemical Characteristics and Bio-Physiological Parameters and Indices, *Rev. Chim.*, 72(3), 2021, 71-80. <https://doi.org/10.37358/RC.21.3.8438>
18. K. Kayalvizhi, N.M.I. Alhaji, D. Saravanakkumar, S. Beer Mohamed, K. Kaviyarasu, A. Ayeshamariam, Amal M. Al-Mohaimeed, Mohamed Ragab AbdelGawwad, Mohamed S. Elshikh. Adsorption of copper and nickel by using sawdust chitosan nanocomposite beads – A kinetic and thermodynamic study, *Environmental Research*, Volume 203, 2022. <https://doi.org/10.1016/j.envres.2021.111814>
19. J.V. Priyanka, S. Rajalakshmi, Ponnusamy Senthil Kumar, Veena Gayathri Krishnaswamy, Dunia A. Al Farraj, Mohamed S. Elshikh, Mohamed Ragab Abdel Gawwad. Bioremediation of soil contaminated with toxic mixed reactive azo dyes by co-cultured cells of *Enterobacter cloacae* and *Bacillus subtilis*, *Environmental Research*, Volume 204, Part B, 2022. <https://doi.org/10.1016/j.envres.2021.112136>
20. Esmā Kurtanović, Mohamed Ragab Abdel Gawwad. In silico interactome and docking site study of DNA repair proteins (APE1 and APE2) and their role in base excision repair in *Arabidopsis thaliana*. *Network Biology*, 2021, 11(3): 241-246.
21. Madiha Rani, Rizwan Ullah, Mona S Alwahibi, Mohamed S. Elshikh, Mohamed Ragab AbdelGawwad, Adeel Mahmood. Health risk assessment by toxic metals in little egrets

- (*Egretta garzetta*) and food chain contaminations, Saudi Journal of Biological Sciences, 2021. <https://doi.org/10.1016/j.sjbs.2021.08.106>
22. Arasu A, Pingley V, Prabha N, O V R, Annathurai K, Kasirajan S, Govindasamy A, Alwahibi MS, Elshikh MS, Abdel Gawwad MR, Arockiaraj J. Impact and fungitoxic spectrum of *Trachyspermum ammi* against *Candida albicans*, an opportunistic pathogenic fungus commonly found in human gut that causes Candidiasis infection. *J Infect Public Health*. 2021 Oct 6:S1876-0341(21)00318-X. <https://doi.org/10.1016/j.jiph.2021.09.027>
 23. Arumugam Dhanesh Gandhi, Katike Umamahesh, Sivaji Sathiyaraj, Gunasekaran Suriyakala, Rajendran Velmurugan, Dunia A. Al Farraj, Mohamed Ragab Abdel Gawwad, Kadarkarai Murugan, Ranganathan Babujanarthanam, R. Saranya. Isolation of bioactive compounds from lichen *Parmelia sulcata* and evaluation of antimicrobial property, *Journal of Infection and Public Health*, 2021. <https://doi.org/10.1016/j.jiph.2021.10.014>
 24. Aljowaie RM, Abdel Gawwad MR, Al Farraj DA, H JK, Rajendran P. In-vitro antimicrobial susceptibility pattern of lipopeptide against drug resistant *Vibrio* species. *J Infect Public Health*. 2021 Oct 14:S1876-0341(21)00336-1. <https://doi.org/10.1016/j.jiph.2021.10.015>
 25. Nithiyavathi R., S. John Sundaram, Theophil Anand G., Raj Kumar D., Dhayal Raj A., Al Farraj Dunia A., Aljowaie Reem M., AbdelGawwad Mohamed Ragab, Samson Y., Kaviyarasu K. Gum mediated synthesis and characterization of CuO nanoparticles towards infectious disease-causing antimicrobial resistance microbial pathogens, *Journal of Infection and Public Health*, 2021. <https://doi.org/10.1016/j.jiph.2021.10.022>
 26. Wani, S., Alwahibi, M., Elshikh, M., Abdel Gawwad, M., Ali, M., Alhaji, J., Naik, H. and Kumar, P., 2021. Sensory, functional characteristics and in vitro digestibility of snacks supplemented with non-traditional ingredient raw and processed fenugreek. *International Journal of Food Science & Technology*, 2021. <https://doi.org/10.1111/ijfs.15441>
 27. Rashid, N., Khan, S., Wahid, A., Ibrar, D., Irshad, S., Bakhsh, A., Hasnain, Z., Alkahtani, J., Alwahibi, M. S., AbdelGawwad, M. R., & Zuan, A. T. (2021). Exogenous application of moringa leaf extract improves growth, biochemical attributes, and productivity of late-sown quinoa. *PLOS ONE*, 16(11). <https://doi.org/10.1371/journal.pone.0259214>
 28. Mohamed S. Elshikh, E. Rani, Dunia A. Al Farraj, Fahad M.A. Al-Hemaid, Mohamed R. Abdel Gawwad, T.R.J. Jeba Malar, L. Dyona, P. Vijayaraghavan, 2022. Plant secondary metabolites extracted from *Acorus calamus* rhizome from Western Ghats, India and repellent activity on *Sitophilus oryzae*, *Physiological and Molecular Plant Pathology*, Volume 117, 101743, <https://doi.org/10.1016/j.pmpp.2021.101743>
 29. Subhaschandrabose Jeyabharathi, Suresh Naveenkumar, Subburaman Chandramohan, Narayanan Venkateshan, Mohamed Ragab Abdel Gawwad, Mohamed S. Elshikh, Rabab Ahmed Rasheed, Dunia A. Al Farraj, Azhaguchamy Muthukumar. 2022. Biological synthesis of zinc oxide nanoparticles from the plant extract, *Wattakaka volubilis* showed

- anti-microbial and anti-hyperglycemic effects, *Journal of King Saud University - Science*, Volume 34, Issue 3. <https://doi.org/10.1016/j.jksus.2022.101881>
30. S. Logambal, C. Maheswari, S. Chandrasekar, T. Thilagavathi, C. Inmozhi, S. Panimalar, F.A. Bassyouni, R. Uthrakumar, Mohamed Ragab Abdel Gawwad, Reem M. Aljowaie, Dunia A. Al Farraj, K. Kanimozhi. 2022. Synthesis and characterizations of CuO nanoparticles using *Couroupita guianensis* extract for and antimicrobial applications, *Journal of King Saud University - Science*, Volume 34, Issue 3. <https://doi.org/10.1016/j.jksus.2022.101910>
 31. Tang, K. H. D., Darwish, N. M. ., Alkahtani, A. M. ., AbdelGawwad, M. R., & Karácsony, P. (2022). Biological Removal of Dyes from Wastewater: A Review of Its Efficiency and Advances. *Tropical Aquatic and Soil Pollution*, 2(1), 59–75. <https://doi.org/10.53623/tasp.v2i1.72>
 32. Kristanti RA, Mardarveran P, Almaary KS, Elshikh MS, AbdelGawwad MR, Tang DKH. Phytoremediation of bauxite wastewater potentiality by *Jatropha curcas*. *Bioprocess Biosyst Eng*. 2023 Mar;46(3):373-379. <https://doi.org/10.1007/s00449-022-02745-5>
 33. Nor FHM, Abdullah S, Ibrahim Z, Nor MHM, Osman MI, Al Farraj DA, AbdelGawwad MR, Kamyab H. Role of extremophilic *Bacillus cereus* KH1 and its lipopeptide in treatment of organic pollutant in wastewater. *Bioprocess Biosyst Eng*. 2023 Mar;46(3) 381-391. <https://doi.org/10.1007/s00449-022-02749-1>
 34. Alkahtani, J., Asma, A., Adil, M., Rashid, A., Dawoud, T. M., Alsofi, A. A., Gawwad, M. R. A., & Elshaer, M. M. A. (2022). Phytochemical Investigation and Antimicrobial Potential of Medicinal Plant *Nepeta distans* Royle ex Benth. In A. Akbar (Ed.), *Journal of Food Quality* (Vol. 2022, pp. 1–6). <https://doi.org/10.1155/2022/8386326>
 35. Gaga, Y., Mehdaoui, I., Kara, M., Assouguem, A., Al-Hashimi, A., Ragab AbdelGawwad, M., Elshikh, M. S., Saoudi Hassani, E. M., Alwahibi, M. S., Bahhou, J., Taleb, M., & Rais, Z. (2023). Elaboration and Characterization of a Biochar from Wastewater Sludge and Olive Mill Wastewater. *Sustainability* (Vol. 15, Issue 3, p. 2409). MDPI AG. <https://doi.org/10.3390/su15032409>
 36. Jiang, W., Guo, P., Lin, Z., Fu, Y., Li, Y., Hua, Z., AbdelGawwad, M. R., & Ajmal Ali, M. (2023). The impact of sloping land conversion program on ecosystem services interaction in forest-tea landscape. In *Journal of King Saud University - Science* (Vol. 35, Issue 5, p. 102705). Elsevier BV. <https://doi.org/10.1016/j.jksus.2023.102705>
 37. Muhammad, K., Idrees, A., Iqbal, J., Arif, U., Safdar Baloch, M., Faisal Shahzad, M., Abid, I., & Ragab AbdelGawwad, M. (2023). Prevalence of cattle ticks in various agro-ecological zones of Khyber Pakhtunkhwa, and evaluation of botanical extracts against *Hyalomma detritum*. In *Journal of King Saud University - Science* (Vol. 35, Issue 6, p. 102732). Elsevier BV. <https://doi.org/10.1016/j.jksus.2023.102732>
 38. Lv, N., Yang, Q.-Y., Li, C.-C., Zhang, T.-W., Ali, S., Liu, C.-Z., Abid, I., & Ragab AbdelGawwad, M. (2023). Effects of different host plants on population fitness of pea aphid (*Acyrtosiphon*



- pisum). In Journal of King Saud University - Science (Vol. 35, Issue 6, p. 102764). Elsevier BV. <https://doi.org/10.1016/j.jksus.2023.102764>
39. Priya, P. S., Kumar, R. S., Gawwad, M. R. A., Alarjani, K. M., Elshikhe, M. S., Namasivayam, S. K. R., & Arockiaraj, J. (2023). Azadiradione (AZD) neem biomass derived limonoid: extraction, characterization, and potential biological activities with special reference to anti-microbial and anti-cancer activities. South African Journal of Botany (Vol. 158, pp. 405–416). Elsevier BV. <https://doi.org/10.1016/j.sajb.2023.05.042>
40. Mohamed Ragab Abdel Gawwad. 2014. In Silico Protocol for structure and function prediction of proteins in biological systems. Network Biology, 2023, 13(4): 186-191

The Committee finds that Dr. Ibrahim has published 40 papers after appointment to academic title of associate professor, which are relevant for appointment to the academic title of full professor. Thus, Dr. Ibrahim meets this criterion of published at least 8 papers in acknowledge publications for appointment to the academic title of full professor.

Komisija nalazi da je Dr. Ibrahim objavio 40 naučnih radova nakon izbora u zvanje vanrednog profesora, a koji su relevantni za izbor u akademsko zvanje redovnog profesora. Time je dr. Ibrahim ispunio uslov objave najmanje osam naučnih radova objavljenih u priznatim publikacijama za izbor u zvanje redovnog profesora.

D.2. Books / Knjige

1. Mohamed Ragab AbdelGawwad and Mona Soliman Alwahibi. 2020. Experimental Plant Physiology For Students. Dobraknjiga Sarajevo. ISBN 978-9958-27-543-2.
2. Mohamed Ragab AbdelGawwad. 2020. Atlas of Plant Cytology and Anatomy For Students. Dobraknjiga Sarajevo. ISBN 978-9958-27-541-8.

The Committee finds that Dr. Ibrahim published two books since the appointment to the academic title of associate professor, which is condition to appointment to full professor position.

Komsija nalazi da Dr. Ibrahim izdao dvije knjige od izbora u zvanje vanrednog profesora, a koja su uslov za izbor u zvanje redovnog profesora.

E. MENTORSHIP SINCE THE APPOINTMENT TO THE ACADEMIC TITLE OF ASSOCIATE PROFESSOR / MENTORSTVO OD IZBORA U ZVANJE VANREDNOG PROFESORA

E.1. Master theses / Magistarske teze



- Aida Hamzi Kaljanac, *Interactome Analysis of Nucleotide Excision Repair Proteins in Arabidopsis Thaliana*, Fakultet prirodnih i tehničkih nauka, Internacionalni univerzitet u Sarajevu, 2016;
- Aida Marić, *Interactome Analysis and Docking Sites Prediction of Muts Homologue (MSH) Proteins in Arabidopsis Thaliana*, Fakultet prirodnih i tehničkih nauka, Internacionalni univerzitet u Sarajevu, 2016;
- Muhamed Adilović, *Interactome Analysis and Docking Sites Prediction of RecA Homologue Proteins in Arabidopsis Thaliana*, Fakultet prirodnih i tehničkih nauka, Internacionalni univerzitet u Sarajevu, 2019;
- Edin Bušatlija, *Interactome Analysis of Pole Homologue Proteins and Their Function Related to DNA Repair in Arabidopsis Thaliana*, Fakultet prirodnih i tehničkih nauka, Internacionalni univerzitet u Sarajevu, 2019;
- Haris Lokvančić, *In Silico Search for Additional Roles of Transcription Factor Subunit 1-1 and 1-3 Proteins in DNA Repair Mechanism in Arabidopsis Thaliana*, Fakultet prirodnih i tehničkih nauka, Internacionalni univerzitet u Sarajevu, 2019;
- Annissa Van Wieren, *Phytoremediation potential of Brassica oleracea L. var. acephala D. C. from BiH*, Fakultet prirodnih i tehničkih nauka, Internacionalni univerzitet u Sarajevu, 2023.

E.2. PhD dissertations / Doktorske disertacije

NA

The Committee finds that Dr. Mohamed Ibrahim has successfully completed the assigned mentorships of second-cycle students and thus fulfilled the condition of mentorship of at least three master students prescribed by the Law on Higher Education for appointment to academic title of Full professor.

In relation to the requirement for successful mentorship of candidates in the third cycle of studies, in accordance with the Law on Higher Education, it can be substituted with two additional successful mentorships of second-cycle students and additional scientific paper published in recognized databases. Considering that, since the appointment to the position of Associate Professor, Dr. Ibrahim has successfully mentored a total of six second-cycle students, and published more than prescribed scientific papers for position of full professor, mentorship in the third cycle can be substituted with two additional mentorships in the second cycle of studies and additional scientific paper published in recognized databases.

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Komisija konstatuje da je dr. Mohamed Ibrahim uspješno okončao dodijeljena mentorstva, te time ispunio uslov mentorstva najmanje tri studenata drugog ciklusa studija, koji propisuje Zakon o visokom obrazovanju za izbor u akademsko zvanje redovnog profesora.



U odnosu na uslov uspješnog mentorstva kandidata trećeg ciklus studija, u skladu sa Zakonom o visokom obrazovanju može se zamijeniti sa dodatna dva uspješna mentorstva studenata drugog ciklusa i dodatnim naučnim radom objavljenim u priznatim publikacijama. Obzirom da je u period od izbora u zvanje vanrednog profesora dr. Ibrahim uspješno mentorisao ukupno šest studenata drugog ciklusa studija i objavio više od propisanog broja radova za zvanje redovnog profesora, mentorstvo na trećem ciklusu može se supstituirati sa dva dodana mentorstva na drugom ciklusu studija i dodatno objavljenim naučnim radom.

F. PATENTS, PROJECT, ORIGINAL METHOD / PATENT, PROJEKAT, ORIGINALNI METOD

The original professional achievement, such as a project, patent, or original method, can be substituted with two additional scientific papers published in a recognized publication in relevant scientific databases or with a published book. Dr. Ibrahim has published a total of 40 scientific papers, so the requirement for two original scientific works, such as a project, patent, or original method, can be replaced with additional scientific papers over the minimum of eight for the title of full professor.

Originalni stručni uspjeh kao što je projekt, patent ili originalni metod se može zamijeniti s dva dodatna naučna rada objavljena u priznatoj publikaciji u relevantnim naučnim bazama ili s objavljenom knjigom. Dr. Ibrahim je objavio ukupno 40 naučnih radova te se uslov dva originalna stručno-naučna djela, kao što je projekt, patent ili originalni metod, može zamijeniti sa dodatnim naučnim radovima u odnosu na minimalno osam za zvanje redovnog profesora.

G. INTRODUCTORY LECTURE

Dr. Mohamed Ibrahim does not need to deliver introductory lecture since he participated in the implementation of the teaching process at the higher education institution.

Dr. Mohamed Ibrahim ne treba održati pristupno predavanje obzirom da je sudjelovao u realizaciji nastavnog procesa na visokoškolskoj ustanovi.

H - PROPOSAL AND RATIONALE

Based on the scientific work since the appointment to the academic title of full professor, in accordance with the Law on Higher Education of Sarajevo Canton ("Official Gazette of Sarajevo Canton" No: 36/22), the Selection Committee unanimously propose to the Council of the Faculty of Engineering and Natural Sciences to appoint DR. MOHAMED IBRAHIM to the academic title of FULL PROFESSOR for the scientific area of "BIOLOGICAL SCIENCES" at the Faculty of Engineering and Natural Sciences of the International University of Sarajevo.

Na osnovu naučnog rada od izbora u akademsko zvanje Redovnog profesora, u skladu sa odredbama Zakona o visokom obrazovanju Kantona Sarajevo ("Službene novine Kantona



Sarajevo” br: 36/22), Komisja za izbor jednoglasno predlaže Vijeću Fakulteta prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu da se DR. MOHAMED IBRAHIM izabere za nastavnika u naučnonastavnom zvanju REDOVNOG PROFESORA za naučnu oblast “BIOLOŠKE NAUKE”, na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu.

COMMITTEE / KOMISIJA

1. Prof. Dr. Kasim Bajrović

(Signature / Potpis)

2. Prof. Dr. Ahmet Yildirim

(Signature / Potpis)

3. Prof. Dr. Lutvija Karić

(Signature / Potpis)