

## IZVJEŠTAJ

COMMITTEE FOR PREPARATION OF PROPOSALS FOR APPOINTMENT INTO ACADEMIC TITLE OF SENIOR ASSISTANT FOR SCIENTIFIC FIELD OF "BIOLOGICAL SCIENCES"

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KOMISIJA ZA PRIPREMANJE PRIJEDLOGA ZA IZBOR U AKADEMSKO ZVANJE VIŠEG ASISTENTA ZA NAUČNU OBLAST „BIOLOŠKE NAUKE”

ATTN: TO THE COUNCIL OF FENS

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VIJEĆU FAKULTETA PRIRODNIH I TEHNIČKIH NAUKA

International University of Sarajevo			
PRIMLJENO-ARHIVE		23.02.2023	
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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 06-439/23, the Committee for preparation of proposals for the appointment to academic titles composed of:

1. Dr. Muhamed Adilovic, Assistant professor at the Faculty of Engineering and Natural Sciences; appointed for the scientific field of *Biological Sciences*,
2. Dr. Altijana Hromic-Jahjefendic, Assistant professor at the Faculty of Engineering and Natural Sciences; appointed for the scientific field of *Biological Sciences*, and
3. Dr. Jasmin Sutkovic, Assistant professor at the Faculty of Engineering and Natural Sciences; appointed for the scientific field of *Biological Sciences*,

evaluated received applications for the appointment into position of *Senior Assistant* in the field of *Biological Sciences* upon public vacancy announcement published on IUS webpage on 31.1.2023. One candidate applied for an appointment to the academic title of *Senior assistant* for scientific field of *Biological Sciences*: Lejla Mahmutovic. The application is full and timely submitted. Selection Committee submits the following:

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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 06-439/23, Komisija za pripremanje prijedloga za izbor u akademska zvanja za naučnu oblast „Biološke nauke“, u sastavu:

1. Dr. Muhamed Adilovic, docent na Fakultetu prirodnih i tehničkih nauka Internacionallnog univerziteta u Sarajevu, izabran za naučnu oblast „Biološke nauke“,
2. Dr. Altijana Hromic-Jahjefendic, docent na Fakultetu prirodnih i tehničkih nauka Internacionallnog univerziteta u Sarajevu, izabrana za naučnu oblast „Biološke nauke“, i
3. Dr. Jasmin Sutkovic, docent na Fakultetu prirodnih i tehničkih nauka Internacionallnog univerziteta u Sarajevu, izabran za naučnu oblast „Biološke nauke“,

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evaluirala je pristiglu prijave za izbor u akademsko zvanje višeg asistenta za naučnu oblast "Biološke nauke" po javnom konkursu za izbor u zvanje, objavljenim 31.1.2023. godine na web stranici univerziteta. Na konkurs se prijavio jedan kandidat: **Lejla Mahmutović**. Prijava je potpuna i blagovremena. Komisija u nastavku podnosi sljedeći:

## REPORT / IZVJEŠTAJ

- I. Applicant's name: **Lejla Mahmutović**, per application for appointment into academic title of Senior Assistant

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**Kandidat: Lejla Mahmutović, postupajući po prijavi za izbor u zvanje višeg asistenta**

**Biographical data:**

Lejla Mahmutović is a Bosnian citizen, born in 1992. She graduated from the Genetics and Bioengineering Program, International University of Sarajevo. She obtained her MSc degree in Genetics and Bioengineering Program in 2016, from International University of Sarajevo. She obtained her PhD degree in Genetics and Bioengineering Program in 2021.

After her graduation, she worked as Assistant at International University of Sarajevo.

**Biografski podaci:**

Lejla Mahmutović, državljanka BiH, rođena je 1992. godine. Diplomirala je na studijskom programu Genetika i bioinžinjerstvo na Internacionalnom univerzitetu u Sarajevu. Magistrirala je na studijskom programu Genetika i bioinžinjerstvo 2016. godine na Internacionalnom univerzitetu u Sarajevu. Doktorirala je na studijskom programu Genetika i bioinžinjerstvo 2021. godine na Internacionalnom univerzitetu u Sarajevu. Nakon diplomiranja je radila kao asistent na Internacionalnom univerzitetu u Sarajevu.

**A. HIGHER EDUCATION / VISOKO OBRAZOVANJE****LEJLA MAHMUTOVIC:**

Acquired qualification / Stečena kvalifikacija	Institution / Institucija	Period
Ph.D. in Genetics and Bioengineering, GPA 9.33	International University of Sarajevo	2016 - 2021
M.Sc. in Genetics and Bioengineering, GPA 9.17	International University of Sarajevo	2015 - 2016
B.Sc. in Genetics and Bioengineering, GPA 9.34	International University of Sarajevo	2011-2015

**IZVJEŠTAJ****B. ACADEMIC WORK EXPERIENCE / AKADEMSKO RADNO ISKUSTVO**

Feb 2021 until now - Assistant - *International University of Sarajevo*

Dec 2019 - Feb 2021 - Lab Assistant - *International University of Sarajevo*

Sep 2016 - March 2017 - Scholarship Assistant - *International University of Sarajevo*

**C. TEACHING PORTFOLIO / NASTAVNI PORTOFOLIO**

1. Engaged with the course Techniques in Molecular Biology,
2. Biochemistry - Tutorial
3. General Microbiology – Tutorial
4. Organic Chemistry – Tutorial.

1. Angažovana na predmetu Tehnike u molekularnoj biologiji,
2. Biohemija - vježbe
3. Generalna mikrobiologija - vježbe
4. Organska hemija - vježbe.

**D. LIST OF SCIENTIFIC AND OTHER PUBLICATIONS / PREGLED NAUČNIH I DRUGIH RADOVA**

1. Bilajac E., Mahmudovic L., Glamočlija U., Osmanovic A., Hromić-Jahjefendić A., Tambuwala M., Suljagic M. Curcumin Decreases Viability and Inhibits Proliferation of Imatinib-Sensitive and Imatinib-Resistant Chronic Myeloid Leukemia Cell Lines. *Metabolites*, 13(1), 58; <https://doi.org/10.3390/metabo13010058>, January 2023.
2. Bilajac E., Mahmudovic L., Lundstrom K., Glamočlija U., Šutković J., Sezer A., Hromić-Jahjefendić A. Viral Agents as Potential Drivers of Diffuse Large B-Cell Lymphoma Tumorigenesis. *Viruses*, 14(10):2105, doi: 10.3390/v14102105, September 2022.
3. Glamoclija, U., Mahmudovic, L., Bilajac E., Soljic, V., Vukojevic, K., Suljagic M. Metformin and Thymoquinone Synergistically Inhibit Proliferation of Imatinib-Resistant Human Leukemic Cells. *Frontiers in Pharmacology*, 13:867133, April 2022.
4. Kumasin, A., Mahutovic, L., Hromic-Jahjefendic, A. Testing temperature and pH stability of the catalase enzyme in the presence of inhibitor. *Periodicals of Engineering and Natural Sciences*, 10 (2), 18-29, February 2022.
5. Mahmudović L., Bilajac E., Hromić-Jahjefendić A. Meet the Insidious Players: Review of Viral Infections in Head and Neck Cancer Etiology with an Update on Clinical Trials. *Microorganisms*, 9 (5), 1001, May 2021.
6. Adilovic A., Mahmudović L., Huseinbegović E., Suljagic M. Characterization of solvents and optimization of stability and solubility of bioactive compounds used in lymphoma cell culture treatments. *Periodicals of Engineering and Natural Sciences*, 8 (4), 2553- 2563, December 2020.
7. Sutkovic J., Mahmudovic L., Huseinbegovic E., Adilovic M., Sinanovic F., Akcesme Berat F. Ethical, legal and social implications of genetically modified organism in the shadow of advanced genetic tools. *Periodicals of Engineering and Natural Sciences*, 8 (4), 2118- 2128, October 2020.
8. Mahmudovic, L., Bego, T., Sterner, M., Gremperger, G., Ahlqvist, E., Velija Asimi, Z., Prnjavorac, B., Hamad, N., Causeciv, A., Groop, L., Semiz, S. Association of IRS1 genetic variants with glucose control and insulin resistance in type 2 diabetic patients from Bosnia and Herzegovina. *Drug Metabolism and Personalized Therapy*, 34(1), 38-41, March 2019.

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9. Mahmudovic, L., Akcesme, B., Durakovic, C., Akcesme, F., Maric, A., Adilovic, M., Hamad, N., Wjst, M., Feeney, O. and Semiz, S. Perceptions of students in health and molecular life sciences regarding pharmacogenomics and personalized medicine. *Human Genomics*, 12(1) Nov. 2018.
10. Mahmudovic, L. The Gut-Brain Axis in Foetal-Maternal Relationship. *Southeast Europe Journal of Soft Computing*, 7(1) March 2018.
11. Halilovic, L., Bego, T., Causevic, A., Hamad, N., Velija Asimi Z., Semiz, S. Association of IRS1 Genetic Variation with Type 2 Diabetes and Insulin Resistance in Patients from Bosnia and Herzegovina, *The FEBS Journal*, 283 (S1), Sept. 2016.
12. Hamad, N., Bego, T., Causevic, A., Halilovic, L., Velija Asimi Z., Semiz, S., Effects of ADRA2A genetic variants on Type 2 diabetes-related traits, *The FEBS Journal*, 283 (S1), Sept. 2016.

**E. INTRODUCTORY LECTURE**

Already engaged as Assistant at IUS.

**E. RATIONALE**

The Committee finds that Lejla Mahmudovic has completed 240 ECTS during her undergraduate study (9.34 GPA), 60 ECTS during her Master study (9.17 GPA) and 180 ECTS during her PhD study (9.33 GPA). The candidate satisfies the requirements for "Senior Assistant" position which are: "completed the second cycle of studies with at least 300 ECTS, 8 or 3.5 average grade".

Komisija konstatuje da je Lejla Mahmudović završila 240 ECTS tokom dodiplomskog studija (prosjek ocjena: 9.34), 60 ECTS tokom master studija (prosjek ocjena: 9.17), te 180 ECTS tokom doktorskog studija (prosjek ocjena: 9.33). Kandidat ispunjava uslove za zvanje „Viši asistent“ koji su: „Završen drugi ciklus studija sa najmanje 300 ECTS, i prosječnom ocjenom od najmanje 8“.

**PROPOSAL OF THE SELECTION COMMITTEE / PRIJEDLOG KOMISIJE**

**Based on above established facts which prove that candidate meet the conditions for appointment to the academic title, in accordance with the provisions of the Law on Higher Education of the Sarajevo Canton ("Official Gazette of the Sarajevo Canton" No. 36/22), and the announced vacancy for position of senior assistant, the Selection Committee unanimously proposes to the Council of the Faculty of Engineering and Natural Sciences to appoint LEJLA MAHMUTOVIĆ to the academic title of SENIOR ASSISTANT for the scientific field of "BIOLOGICAL SCIENCES", at the Faculty of Engineering and Natural Sciences of the International University of Sarajevo.**

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Na osnovu gore utvrđenih činjenica koje dokazuju da kandidat ispunjava uslove za izbor u akademsko zvanje, u skladu sa odredbama Zakona o visokom obrazovanju Kantona Sarajevo ("Službene novine Kantona Sarajevo" broj 36/22), i raspisanim konkursom za radno mjesto višeg asistenta, komisija za izbor jednoglasno predlaže Vijeću Fakulteta prirodnih i tehničkih nauka da imenuje LEJLU MAHMUTOVIĆ u akademsko zvanje VIŠEG ASISTENTA za naučnu oblast „BIOLOŠKE NAUKE“, na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevo.

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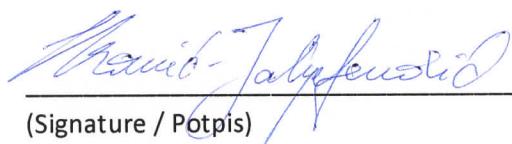
COMMITTEE / KOMISIJA

1. Assist. Prof. Dr. Muhamed Adilovic



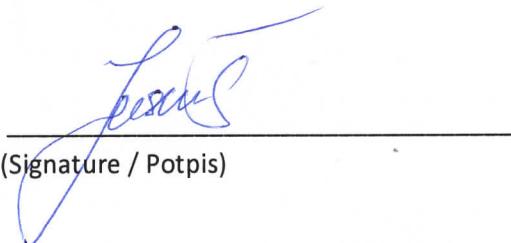
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2. Assist. Prof. Dr. Altijana Hromic-Jahjefendic



(Signature / Potpis)

3. Assist. Prof. Dr. Jasmin Sutkovic,



(Signature / Potpis)