

COMMITTEE FOR PREPARATION OF PROPOSAL FOR APPOINTMENT
 INTO ACADEMIC TITLE OF SCIENTIFIC FIELD OF "BIOLOGICAL SCIENCES"

International University of Sarajevo			
JENO-ARHIVE 3-8-2018			
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INTERNATIONAL UNIVERSITY OF SARAJEVO
 Faculty of Engineering and Natural Sciences

Pursuant to Article 107, paragraph (3) of the Law on Higher Education ("Official Gazette of Sarajevo Canton" 33/2017) and based on the Decision of the Council of the Faculty of Engineering and Natural Sciences, number: IUS-FENS 06-1849/18 dated July 31, 2018, acting in accordance with the submitted Confirmation Certificate by Administrative Service No. IUS-FENS 06-1776-1/18 (attached to this Report), the Committee for preparation of proposals for the appointment to academic titles composed of:

1. **Prof. Dr. Sabina Semiz**, full professor at the Faculty of Engineering and Natural Sciences – field: Biological Sciences (chairman),
2. **Assoc. Prof. Dr. Ayla Arslan**, associate professor at the Faculty of Engineering and Natural Sciences – field: Biological Sciences (member)
3. **Asst. Prof. Dr. Mirza Suljagic**, assistant professor at the Faculty of Engineering and Natural Sciences – field: Biological Sciences (member).

Evaluated application of Dr. Altijana Hromić-Jahjaefendić for the appointment into position of Assistant Professor in the field of Biological Sciences upon public vacancy announcement published in newspaper "Nezavisne novine" and web page on July 12th, 2018, and submits the following

REPORT
(detailed)

Applicant's name: ALTIJANA HROMIĆ-JAHJAEFENDIĆ per her application for appointment into academic title of Assistant Professor

Dr. Altijana Hromić-Jahjaefendić was born in Sarajevo, BiH in 1987. Dr. Hromić-Jahjaefendić graduated from Graz University of Technology, Austria, where she completed Bachelor Studies in Chemistry in 2010. In 2013, at Institute of Biochemistry of the Graz University of Technology, Dr. Hromić-Jahjaefendić completed Master studies in Biochemistry and Molecular Biomedicine and in 2017 she obtained PhD from Institute of Molecular Bioscience of University of Graz, Austria.

Dr. Hromić-Jahjaefendić has been working in Institute of Pathology, St. Leonhard hospital, Graz in 2011, and in period from 2013 until 2014, she has been working in ACIB GmbH-Austrian Center of Industrial Biotechnology, Graz. Dr. Hromić-Jahjaefendić has teaching experience in courses NS103 Biology and BIO306 General Microbiology, working as adjunct instructor and expert in practice at International University of Sarajevo in Spring semester of 2017/2018 Academic Year.

Dr. Hromić-Jahjaefendić is the author of several journal publications.

BILINGUAL REPORT - DVOJEZIČNI IZVJEŠTAJ

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

VIJEĆU FAKULTETA PRIRODNIH I TEHNIČKIH NAUKA

Na osnovu člana 107., stav (3) Zakona o visokom obrazovanju („Službene novine Kantona Sarajevo“ 33/17), postupajući na osnovu Odluke Vijeća Fakulteta prirodnih i tehničkih nauka, broj: IUS-FENS 06-1849/18 od 31.07.2018. godine i Potvrde Stručne službe broj IUS-FENS 06-1776-1/18, Komisija za pripremanje prijedloga za izbor u akademska zvanja za naučnu oblast „Biološke nauke“, u sastavu:

1. **Prof. dr Sabina Semiz**, redovni profesor na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu, izabrana za naučnu oblast “Biološke nauke” (predsjednik);
2. **Vanr. prof. dr Ayla Arslan**, vanredni profesor na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu, izabrana za naučnu oblast “Biološke nauke” (član);
3. **Doc. dr Mirza Suljagić**, docent na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu, izabran za naučnu oblast “Biološke nauke” (član).

Nakon izvršene analize prijave za zvanje docent, podnesene po javnom konkursu od 12.07.2018. godine u dnevnim novinama „Nezavisne novine“ i internet stranici Internacionalnog univerziteta u Sarajevu, od strane aplikanta Dr. Altijane Hromić-Jahjaefendić, Komisija podnosi sljedeći:

IZVJEŠTAJ (s detaljima)

Kandidat: DR. ALTIJANA HROMIĆ-JAHJAEFENDIĆ, postupajući po prijavi za zvanje docenta

Dr. Altijana Hromić-Jahjaefendić rođena je 1987. godine u Sarajevu, BiH. Svoje univerzitetsko obrazovanje započela je na Tehnološkom univerzitetu u Gracu, Austrija, gdje je 2010. godine stekla titulu Bachelor hemije. 2013. godine na Institutu za Biohemiju Tehnološkog univerziteta u Gracu, Dr. Hromić-Jahjaefendić završila je magistarske studije iz biohemije i molekularne biomedicine, a 2017. godine je stekla zvanje doktora nauka na Institutu za molekularnu bioznanost Univerziteta u Gracu, Austrija.

Dr. Hromić-Jahjaefendić je radila na Institutu za patologiju u bolnici St. Leonhard u Grazu tokom 2011. godine, a u periodu od 2013. do 2014. godine radila je Austrijskom centru za industrijsku biotehnologiju u Gracu (ACIB GmbH). Dr. Hromić-Jahjaefendić ima iskustvo predavača na predmetima NS103 Biologija i BIO306 Opća mikrobiologija, radeći kao dodatni instruktor i ekspert iz prakse na Internacionalnom univerzitetu u Sarajevu tokom ljetnog semestra 2017/2018 akademske godine

Dr. Hromić-Jahjaefendić autor je više naučnih radova.

A. EDUCATION/OBRAZOVANJE

PhD	PhD studies in Biochemistry and Molecular Biomedicine Institute of Molecular Bioscience, University of Graz, Austria	2015-2017
Master of Science	Master studies in Biochemistry and Molecular Biomedicine Institute of Biochemistry, Graz University of Technology, Austria	2010-2013
Bachelor of Science	Bachelor studies in Chemistry Graz University of Technology, Austria	2006-2010

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

C. 1. JOURNAL PUBLICATIONS / NAUČNI RADOVI OBJAVLJENI U NAUČNIM ČASOPISIMA

1. Christiane Wuensch, Tea Pavkov-Keller, Georg Steinkellner, Johannes Gross, Michael Fuchs, Altijana Hromic, Andrzej Lyskowski, Kerstin Fauland, Karl Gruber, Silvia M. Glueck and Kurt Faber: "Regioselective Enzymatic β -Carboxylation of para-Hydroxy-styrene Derivatives Catalyzed by Phenolic Acid Decarboxylases", *Adv.Synth.Catal.*, 357, 1909-1918, 2015.
2. Domen Zafred, Barbara Steiner, Andrea R. Teufelberger, Altijana Hromic, P. Andrew Karplus, Christopher J. Schofield, Silvia Wallner and Peter Macheroux: "Rationally engineered flavin-dependent oxidase reveals steric control of dioxygen reduction", *FEBS Journal*, 282, 3060-3074, 2015.
3. Matthias Engleder, Tea Pavkov-Keller, Anita Emmerstorfer, Altijana Hromic, Sabine Schremppf, Georg Steinkellner, Tamara Wriessnegger, Erich Leitner, Gernot A. Strohmeier, Iwona Kaluzna, Daniel Mink, Martin Schürmann, Silvia Wallner, Peter Macheroux, Karl Gruber, and Harald Pichler: "Structure-based mechanism of oleate hydratase from *Elizabethkingia meningoseptica*", *ChemBioChem*, 16, 1730-1734, 2015.
4. Veronika Perz, Armin Baumschlager, Klaus Bleymaier, Sabine Zitzenbacher, Altijana Hromic, Georg Steinkellner, Andris Pairitsch, Andrzej Lyskowski, Karl Gruber, Carsten Sinkel, Ulf Küper, Doris Ribitsch, Georg M. Guebitz: "Hydrolysis of synthetic polyesters by *Clostridium botulinum* esterases", *Biotechnology & Bioengineering*, 113(5), 1024-1034, 2015.
5. Biundo, Antonino; Hromic, Altijana; Pavkov-Keller, Tea; Gruber, Karl; Quartinello, Felice; Haernvall, Karolina; Perz, Veronika; Arrell, Miriam; Zinn, Manfred; Ribitsch, Doris; Guebitz, Georg M.: "Characterization of a Poly(butylene adipate-co-terephthalate)-Hydrolyzing Lipase from *Pelosinus fermentans*", *Applied Microbiology and Biotechnology*, 100(4), 1753-1764, 2015.
6. Veronika Perz, Altijana Hromic, Armin Baumschlager, Georg Steinkellner, Tea

BILINGUAL REPORT - DVOJEZIČNI IZVJEŠTAJ

- Pavkov-Keller, Karl Gruber, Klaus Bleymaier, Sabine Zitzenbacher, Armin Zankel, Claudia Mayrhofer, Carsten Sinkel, Ulf Kueper, Katharina A. Schlegel, Doris Ribitsch, Georg M. Guebitz: "An esterase from anaerobic *Clostridium hathewayi* can hydrolyze aliphatic-aromatic polyesters", *Environmental Science and Technology*, 50(6), 2899-2907, 2016.
7. Peter Augustin, Altijana Hromic, Tea Pavkov-Keller, Karl Gruber, Peter Macheroux: "Structure and biochemical properties of recombinant human dimethylglycine dehydrogenase and comparison to disease-related H109R variant", *FEBS Journal*, 283(19), 3587-3603, 2016.
 8. Karin Koch, Altijana Hromic, Marija Sorokina, Emilia Strandback, Manuel Reisinger, Karl Gruber, Peter Macheroux: "Structure, biochemical and kinetic properties of 5 recombinant Pst2p from *Saccharomyces cerevisiae*, a FMN-dependent NAD(P)H:quinone oxidoreductase", *BBA-Proteins and Proteomics*, 1865(8), 1046-1056, 2017.
 9. Michael Prattes, Mathias Loibl, Gertrude Zisser, Daniel Luschnig, Lisa Kappel, Ingrid Rössler, Manuela Grassegger, Altijana Hromic, Elmar Krieger, Karl Gruber, Brigitte Pertschy, Helmut Bergler: "A conserved inter-domain communication mechanism regulates the ATPase activity of the AAA-protein Drg1", *Nature Scientific Reports*, 7, 44751, 2017.
 10. Doris Ribitsch*, Altijana Hromic*, Sabine Zitzenbacher, Barbara Zartl, Caroline Gamerith, Alessandro Pellis, Alois Jungbauer, Andrzej Łyskowski, Georg Steinkellner, Karl Gruber, Rupert Tscheliessnig, Enrique Herrero Acero, Georg M. Guebitz: "Small cause, large effect: Structural characterization of cutinases from *Thermobifida cellulosilytica*", *Biotechnology & Bioengineering*, 114(11), 2481-2488, 2017.
 11. Altijana Hromic-Jahjefendić*, Nina Jajcanin Jozic*, Saša Kazazić, Marina Grabar Branilović, Zrinka Karačić, Jörg Schrittwieser, Krishna Mohan Padmanabha Das, Marko Tomin, Monika Oberer, Karl Gruber, Marija Abramić, Sanja Tomić: "A novel *Porphyromonas gingivalis* enzyme: an atypical dipeptidyl peptidase III with an ARM repeat domain", *PLOS ONE*, 12(11), e0188915, 2017.

D. INTRODUCTORY LECTURE

Dr. Altijana Hromić-Jahjaefendić does not need to deliver introductory lecture, since she actively participated in the realization of the lecturing process at higher education institutions.

Dr. Altijana Hromić-Jahjaefendić ne treba održati pristupno predavanje, jer već posjeduje iskustvo predavača na visokoškolskim ustanovama.

E - PROPOSAL AND RATIONALE

Based on the scientific work, in accordance with the Law on Higher Education of Sarajevo Canton ("Official Gazette of Sarajevo Canton" No: 33/17), we are pleased to propose to the Council of the Faculty of Engineering and Natural Sciences to appoint Dr. Altijana Hromić-Jahjaefendić to the academic title of ASSISTANT PROFESSOR in the scientific field of "Biological Sciences", at the Faculty of Engineering and Natural Sciences of the International University of Sarajevo.

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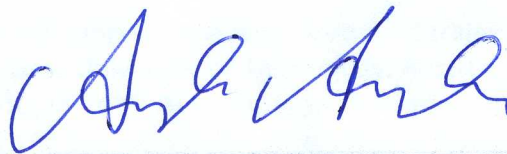
Na osnovu naučnog rada, u skladu sa odredbama Zakona o visokom obrazovanju Kantona Sarajevo ("Službene novine Kantona Sarajevo" br: 33/17), sa zadovoljstvom predlažemo Vijeću Fakulteta prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu da se dr. Altijana Hromić-Jahjaefendić izabere za nastavnika u naučno-nastavnom zvanju DOCENTA na naučnoj oblasti "Biološke nauke", na Fakultetu prirodnih i tehničkih nauka Internacionalnog univerziteta u Sarajevu.

COMMITTEE / KOMISIJA

1. Prof. dr Sabina Semiz (chairman/predsjednik)



2. Vanr. Prof. dr Ayla Arslan (member/član)



3. Doc. dr Mirza Suljagić (member/član)