



Jasmin Šutković

Date of birth: 23/09/1984 | **Place of birth:** Travnik, Bosnia and Herzegovina |

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WORK EXPERIENCE

INTERNATIONAL UNIVERSITY OF SARAJEVO - MEDICAL FACULTY – SARAJEVO, BOSNIA AND HERZEGOVINA **ASSISTANT PROFESSOR – 10/11/2020 – CURRENT**

Lecturing and research.

Undergraduate courses lectured: Chemistry, Organic Chemistry, Medical Chemistry and Biochemistry, Biology, Cell Biology, Bioinformatics, Molecular Biology, Techniques in Molecular Biology, Molecular diagnostics, Bioengineering principles, Special topics in Bioengineering, Environmental engineering, Understanding Nature and knowledge, Bachelor graduation thesis.

Graduate MSc courses: Advanced Molecular Biology, Advanced Cell Biology, Special topics in life sciences 1.

Graduate PhD courses: Research activity, Special topics in Life sciences II.

INTERNACIONAL UNIVERSITY OF SARAJEVO – SARAJEVO, BOSNIA AND HERZEGOVINA **DIRECTOR OF INNOVATION AND ENTREPRENEURSHIP CENTER – 01/12/2023 – CURRENT**

Managing all activities related to the center.

INTERNATIONAL UNIVERSITY OF SARAJEVO **MANAGER OF RESEARCH AND DEVELOPMENT CENTER – 09/12/2020 – 30/11/2023**

Managing activities in the RDC facilities at IUS.

INTERNATIONAL UNIVERSITY OF SARAJEVO – SARAJEVO, BOSNIA AND HERZEGOVINA **VICE MANAGER OF RESEARCH AND DEVELOPMENT CENTER – 2014 – 09/12/2020**

INTERNATIONAL UNIVERSITY OF SARAJEVO - RESEARCH AND DEVELOPMENT CENTER (RDC) – SARAJEVO, BOSNIA AND HERZEGOVINA

MANAGEMENT ASSISTANT OF RESEARCH AND DEVELOPMENT CENTRE – 31/12/2012 – 2014

- Assisting the RDC director in planning, managing and organizing of RDC
- Managing the Genetic and Bioengineering labs within the RDC (chemical organization and devices maintenance).

INTERNATIONAL UNIVERSITY OF SARAJEVO – SARAJEVO, BOSNIA AND HERZEGOVINA **SENIOR ASSISTANT - TEACHING ASSISTANT – 28/02/2010 – 09/11/2020**

- Preparing lectures sufficiently to carry out the stated aims and objectives of the lectures/exercise class which you are leading
- Facilitating and/or leading group discussions, either in small groups or with the whole class
- Ensuring the smooth running of equipment necessary to achieve the aims of the class/tutorial (e.g. Genetic lab machines)
- Aiming to maintain a conducive atmosphere and environment for the achievement of the aims of the class/tutorial
- Keeping records of student attendance
- Reporting briefly on the attendance and work of each student at the end of each semester

- Holding an office hour several times a week for each course, notifying tutees accordingly
- Distributing, and arranging course evaluation questionnaires for each tutorial group taught
- Marking essays or other forms of formative assessment as required by the course programme
- Lecturing (Chemistry, Organic Chemistry, Bioengineering Principles, Special topics in Bioengineering, Ecology and Environmental Engineering)

 **INTERNATIONAL UNIVERSITY OF SARAJEVO** – SARAJEVO, BOSNIA AND HERZEGOVINA

STUDENT ADVISOR – 08/2011 – CURRENT

- student counseling for course registration for graduate and undergraduate students
- student advisor for program curricula

● EDUCATION AND TRAINING

09/10/2004 – 09/07/2005 Sarajevo, Bosnia and Herzegovina

ENGLISH LANGUAGE SCHOOL International University of Sarajevo

09/09/2012 – 19/10/2014 Sarajevo, Bosnia and Herzegovina

MSC IN GENETICS AND BIOENGINEERING International University of Sarajevo, Faculty of Engineering and Natural Sciences

31/01/2015 – 09/10/2020

PHD IN GENETICS AND BIOENGINEERING International University Of Sarajevo

Field of study Bioengineering

● LANGUAGE SKILLS

Mother tongue(s): **BOSNIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	C1	C2
GERMAN	C1	B1	B2	B2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● PUBLICATIONS

Publications

Selected publication:

- Adilović, M., Hromić-Jahjefendić, A., Mahmutović, L., **Šutković, J.**, Rubio-Casillas, A., Redwan, E. M., & Uversky, V. N. (2025). Intrinsic Factors Behind the Long-COVID: V. Immunometabolic Disorders. *Journal of Cellular Biochemistry*, 126(1), e30683.
- Adilović, Muhamed, **Jasmin Šutković**, Altijana Hromić-Jahjefendić, Timir Tripathi, and Vladimir N. Uversky. "Hybrid proteins: fusion chimeras and natural wonders." In *The Three Functional States of Proteins*, pp. 79-98. Academic Press, 2025.
- Golzardi, M., Hromić-Jahjefendić, A., **Šutković, J.**, Aydin, O., Ünal-Aydın, P., Bećirević, T., ... & Uversky, V. N. (2024). The Aftermath of COVID-19: Exploring the Long-Term Effects on Organ Systems. *Biomedicine*, 12(4), 913.
- **Šutković, J.**, Van Wieren, A., Peljto, E., & Yildirim, A. (2024). Phytoremediation potential of Brassica oleracea varieties through cadmium tolerance gene expression analysis. *Journal of Genetic Engineering and Biotechnology*, 22(2), 100381.
- **Šutković, J.**, Lokvančić, H., & Sezer, A. (2023). Breast cancer research: in vitro models, markers, and in silico analysis-a narrative review. *Bioengineering Studies*, 4(2), 14-23.
- **Šutković, J.**, Yildirim, A., Karić, L., Glamočlija, P., & Šabanović, K. (2023, November). Comparative Cadmium correlated gene expression in domestic vs. hybrid kale varieties from Bosnia and Herzegovina. In *Book of Proceedings*.
- **Jasmin Šutković**, Ajdina Karic, Ahmet Yildirim. In silico identification and expression analysis of Metal nicotianamine transporter (YSL3) and Oligopeptide transporter 3 (OPT3) under Cd stress in Brassica oleracea var. acephala. *Botanical Sciences*, Vol 98 (2020).

- **Jasmin Štковиć**, Lutvija Karić, Maryam Golzardi, Petar Glamočlija. Genetic diversity assessment of *Allium cepa* L. cultivars from Bosnia and Herzegovina using SSR makers. *Genet. Mol. Res.* 17 (1): gmr16039870
- **Jasmin Štковиć**, Nekić Vanesa, Loga Zec Svjetlana. Anthropometric Correlation with Metabolic Syndrome in Sarajevo Population. Volume 16, 4 Issue, 2016, 113-119
- **Jasmin Štковиć**, Ena Šečić, Mohamed Ragab Abdel Gawwad. Interactome Analysis and Docking Sites Prediction of Radiation Sensitive 23 (RAD 23) Proteins in *Arabidopsis thaliana*. *Current Proteomics*, Volume 12, Number 1, March 2015, pp. 28-44(17)
- **Jasmin Štковиć** and Amina Jasarevic. A review on Nanoparticle and Protein interaction in biomedical applications. *Periodicals Of Engineering and Natural Sciences*. Vol. 4 No. 2(2016),34-40, ISSN 2303-4521
- **Jasmin Štковиć**, Emina Zahirović, Faruk Berat Akcesme, Betul Akcesme, Daria Ler, Mohamed Ragab Abdel Gawwad, 3D Structure Prediction of Replication Factor C Subunits (RFC) and their Interactome in *Arabidopsis thaliana*. *Network Biology*, 2013, 3(2): 74-86,ISSN 22208879
- **Jasmin Štковиć**, Amar Ćemanović and Mohamed Ragab Abdel Gawwad. Comparative structural analysis of HAC1 in *Arabidopsis thaliana*. *Network Biology*, 2014, 4(2): 67-73,ISSN 22208879

● NETWORKS AND MEMBERSHIPS

Memberships

- Acting Member of the Board: Clinical Center of the University of Sarajevo (KCUS). October 2023 - present
- Society for Operational Research in Bosnia and Herzegovina - President, December 2020 - present
- Agency for the Development of Higher Education and Quality Assurance in Bosnia and Herzegovina; ACADEMIC Expert for second cycle studies in Bosnia and Herzegovina (January 2024 - present)
- Member of the Senate of IUS as representative for Medical Faculty (February 2025 - ongoing)
- Supervisory Board - Public Health Institute - Sarajevo Canton - January 2022 - February 2024 • Member of the Board - Cantonal Forests Sarajevo - January 2019 - December 2019
- Research Infrastructure Reviewer for ResInfra@DR Register in Danube Region Countries (2018)
- Agency for the Development of Higher Education and Quality Assurance in Bosnia and Herzegovina; Student Expert for second cycle studies in Bosnia and Herzegovina (2014 - 2020)
- Member of the Senate of IUS as representative of doctoral students (February 2017 - December 2020)
- Society for Operational Research in Bosnia and Herzegovina - Vice President, December 2017 - 2020

● PROJECTS

Projects

ONGOING PROJECTS:

1. First detailed analysis of gene expression of genes associated with type 1 diabetes in Sarajevo Canton, 2024 - present. (Funded by Canton Sarajevo government- Public Call)
2. First detailed analysis of gene expression of genes associated with breast cancer in Sarajevo, Bosnia and Herzegovina, 2023 - present. (Funded by IUS)
3. Levels of PCS1 gene expression under the influence of cadmium (Cd) in *Nicotiana tabacum*, Ravnjak genotype from Herzegovina, 2016 - present, project coordinator. (Funded by IUS)

COMPLETED PROJECTS:

1. Genetic characterization and stress assessment of autochthonous pepper and onion varieties from Herzegovina - 2020.
2. Establishment of a food safety laboratory at IUS. Participant and project organizer - 2016.
3. Workshop on Western blot techniques. Participant and organizer - 2018.
4. Workshop on pathogen status in marine samples (DNA/RNA analysis and PCR analysis on marine samples) - 2017.
5. Phytoremediation potential of local kale varieties in Sarajevo Canton. Start: November 2016. External collaborator and coordinator on behalf of the International University of Sarajevo. Joint project with the Faculty of Agriculture, Sarajevo - completed in 2020.
6. Determination of GMO soybean products in processed food on the Bosnian market - 2020.
7. Analysis of metabolic syndrome in Sarajevo Canton - 2014.
8. Genetic variations of BRCA1/BRCA2 genes in correlation with epigenetic parameters in breast cancer patients in Sarajevo Canton - Completed in 2023.
9. Analysis of FTO1/2/3/4 and AKT polymorphisms in type 2 diabetics in Sarajevo Canton and ZE-DO Canton. Completed in 2023.
10. Genetic characterization and stress assessment of autochthonous pepper and onion varieties from Herzegovina - Completed in 2020.
11. Infrastructure development project: Acquisition of atomic microscope - ezAFM+. TIKa - Turkey. Completed in 2023.

● **CERTIFICATIONS**

Certifications

- TSE-EN/ISO 9001:2008 certificate - 2015
- EU - INTERREG- Training To Build Capacity For Evaluation, Planning, Monitoring, Impact Steered Operation And Management Of Research Infrastructures- Certificate 2018 - April, 24-27, 2018

● **DRIVING LICENCE**

Driving Licence: AM

Driving Licence: B1

Driving Licence: BE

Driving Licence: B

● **JOB-RELATED SKILLS**

Job-related skills

- Developed and implemented effective management processes for laboratory operations.
- Demonstrated strong mentoring skills by training and inducting BSc, MSc and PhD students as a senior assistant and professor.

● **OTHER SKILLS**

Other skills

Proficient in a wide range of molecular biology techniques, including DNA, RNA, and protein isolation, PCR, RT PCR, cloning, transformation, Western blot, and GMO detection.

● **ORGANISATIONAL SKILLS**

Organisational skills

Over the past 15 years, I have honed exceptional organizational skills through my management of the RDC Center at the International University of Sarajevo and my current role as Director of the Innovation and Entrepreneurship Center at the University of Sarajevo. These positions have afforded me significant experience in laboratory organization, technical management, and addressing common challenges within such facilities.

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication and interpersonal skills

I have developed excellent communication skills through my extensive experience as a teaching assistant and professor at the university level. Additionally, my roles in managing two centers have further enhanced my ability to communicate effectively and efficiently.