



## Jasmin Šutković

**Nationality:** Bosnian-Herzegovinian **Date of birth:** 23/09/1984

**Phone number:** (+387) 603390498 **Email address:** [jsutkovic@ius.edu.ba](mailto:jsutkovic@ius.edu.ba)

**Website:** <http://gbe.ius.edu.ba/jasmin-sutkovic>

**Work:** Hrasnicka Cesta 15, Ilidza, Sarajevo, 71000 Sarajevo (Bosnia and Herzegovina)

### WORK EXPERIENCE

---

#### Assistant professor

**International University of Sarajevo** [ 11/11/2020 – Current ]

City: Sarajevo | Country: Bosnia and Herzegovina

Lecturing, Research, Administrative duties.

Lecturing:

**Undergraduate courses:** Chemistry, Biology, Molecular Biology, Techniques in Molecular Biology, Cell Biology, Principles of Bioengineering, Special Topics in Bioengineering, Molecular Diagnostics, Cellular Biology, Understanding Nature and Knowledge, Ecology and Environmental Engineering, Organic Chemistry.

**II and III cycle courses:** Advanced Molecular Biology, Special Topics in Biological Sciences, Advanced Molecular Diagnostics, Environmental Biotechnology, Mentorship in Master's Thesis Projects, Member of Doctoral Thesis Committees.

#### Manager of Research and Development Center

**International University of Sarajevo** [ 10/12/2020 – 30/11/2023 ]

City: Sarajevo | Country: Bosnia and Herzegovina

Managing activities in the RDC facilities at IUS.

#### Vice manager of Research and Development center

**International University of Sarajevo** [ 2015 – 10/12/2020 ]

City: Sarajevo | Country: Bosnia and Herzegovina

Managing activities in the RDC facilities at IUS.

#### Management Assistant of Research and Development Centre

**Internationa University of Sarajevo - Research and Development center (RDC)** [ 01/01/2013 – 2015 ]

City: Sarajevo | Country: Bosnia and Herzegovina

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

## Senior assistant - teaching assistant

*International University of Sarajevo* [ 01/03/2010 – 10/11/2020 ]

City: Sarajevo | Country: Bosnia and Herzegovina

- Preparing lectures sufficiently to carry out the stated aims and objectives of the lectures/exercise class
- Ensuring the smooth running of equipment necessary to achieve the aims of the class/tutorial (e.g. Genetic lab machines)
- Keeping records of student attendance
- Lecturing (Chemistry, Organic Chemistry, Bioengineering Principles, Special topics in Bioengineering, Ecology and Environmental Engineering)

## Student advisor

*International University of Sarajevo* [ 09/2011 – Current ]

City: Sarajevo | Country: Bosnia and Herzegovina

- student counseling for course registration
- student advisor for program curricula

## EDUCATION AND TRAINING

---

### English language school

*International University of Sarajevo* [ 10/10/2004 – 10/07/2005 ]

City: Sarajevo | Country: Bosnia and Herzegovina

### MSc in Genetics and Bioengineering

*International University of Sarajevo, Faculty of Engineering and Natural Sciences* [ 10/09/2012 – 20/10/2014 ]

City: Sarajevo | Country: Bosnia and Herzegovina

### PhD in Genetics and Bioengineering

*International University of Sarajevo* [ 01/02/2015 – 10/10/2020 ]

Field(s) of study: Bioengineering

## LANGUAGE SKILLS

---

**Mother tongue(s):** Bosnian

**Other language(s):**

### English

LISTENING C1 READING C1 WRITING C2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION C1

### German

LISTENING C1 READING B1 WRITING A2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

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

## PUBLICATIONS

---

**Publications Selected publication:**

Maryam Golzardi; Altijana Hromić-Jahjefendić; **Jasmin Šutković**; Orkun Aydin; Pinar Aydin; Tea Bećirević; Elrashy M. Redwan; Alberto Rubio-Casillas; Vladimir N. Uversky. *The Aftermath of COVID-19: Exploring Long-Term Effects on the Organ Systems. Preprints.org 2024* .

Sezer, Abas, Mervisa Halilović-Alihodžić, Annissa Rachel Vanwieren, Adna Smajkan, Amina Karić, Husein Djedović, and **Jasmin Šutković**. "A review on drug repurposing in COVID-19: from antiviral drugs to herbal alternatives." *Journal of Genetic Engineering and Biotechnology* 20, no. 1 (2022): 1-11.

Bilajac, Esmā, Lejla Mahmutović, Kenneth Lundstrom, Una Glamočlija, **Jasmin Šutković**, Abas Sezer, and Altijana Hromić-Jahjefendić. "Viral Agents as Potential Drivers of Diffuse Large B-Cell Lymphoma Tumorigenesis." *Viruses* 14, no. 10 (2022): 2105.

**Šutković, J.**, Hamad, N., & Glamočlija, P. (2021). The methods behind transgenic plant production: a review. *Periodicals of Engineering and Natural Sciences (PEN)*, 9(4), 845-853.

**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 Šutković**, 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 Šutković**, Nekić Vanesa, Loga Zec Svjetlana. Anthropometric Correlation with Metabolic Syndrome in Sarajevo Population. Volume 16, 4 Issue, 2016, 113-119

**Jasmin Šutković**, 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 Šutković** and Amina Jasarevic. *A review on Nanoparticle and Protein interaction in biomedical applications*. PEN. Vol. 4 No. 2(2016),34-40, ISSN 2303-4521

**Jasmin Šutković**, Daria Ler, Muhammed Ragab Abdel-Gawwad, *In vitro production of solasodine in Solonum nigrum under salinity stress*, *Journal of Phytology* 2011, 3(1): 43-49, ISSN: 2075-6240

**Jasmin Šutković**, 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)

#### **BOOK:**

Jasmin Mušanović, Azra Metović, Jasmin Šutković, Altijana Hromić-Jahjefendić, Mirela mačkić-Đurivuč, Tarik Ikanović.

A MANUAL FOR PRACTICAL IN CELL BIOLOGY AND HUMAN GENETICS. Sarajevo. ISBN:978-9926-38-098-4

#### **More info:**

GOOGLE SCHOLAR: <https://scholar.google.com/citations?user=bE9xPzsAAAAJ&hl=en>

SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=56652307800>

WEB OF SCIENCE: <https://www.webofscience.com/wos/author/record/982292>

## **NETWORKS AND MEMBERSHIPS**

---

### **Memberships**

- Management board member: Clinical Center of the University of Sarajevo (KCUS). October 2023 - ongoing
- Operation Research Society in BiH- President Dec. 2020- ongoing
- Agency of Development of Higher Education and Quality Assurance in BiH; ACADEMIC expert for second-cycle studies in Bosnia and Herzegovina (January 2024- ongoing)
- Advisory board - Public Health Institute - Canton Sarajevo - 2022 January - February 2024
- Management board member of Sarajevo canton Forestry- January 2019- December 2019
- Research infrastructure reviewer for the ResInfra@DR Registry in the Danube region countries. (2018)
- Agency of Development of Higher Education and Quality Assurance in BiH; Student expert for second-cycle studies in Bosnia and Herzegovina (2014 - 2020)
- IUS Senate member as Ph.D. student representative (February 2017- December 2020)
- Operation Research Society in BiH- Vice president - Dec. 2017- 2020

## DRIVING LICENCE

---

**Driving Licence:** AM

**Driving Licence:** B1

**Driving Licence:** BE

**Driving Licence:** B

## ORGANISATIONAL SKILLS

---

**Organisational skills** Since 2013, I have played an active role in founding and overseeing the Research and Development Center (RDC) and the Innovation and Entrepreneurship Center at the International University of Sarajevo (IUS).

## COMMUNICATION AND INTERPERSONAL SKILLS

---

**Communication and interpersonal skills** Excellent communication abilities have been honed through my tenure as a teaching assistant and professor within the university setting. Furthermore, managing the university centers enhanced my communication and interpersonal skills.

## JOB-RELATED SKILLS

---

### Job-related skills

- good management processes for laboratory management
- mentoring skills (as senior assistant, I was responsible for the training and induction of Bsc and Msc students )

## OTHER SKILLS

---

### LAB SKILLS

Very good skill in molecular biology techniques (DNA, RNA and Protein isolation, PCR, RT PCR, cloning, transformation, Western blot, GMO detection etc..)

## PROJECTS

---

### Projects

#### ONGOING PROJECTS:

1. First detailed analysis of the genetic expression of breast cancer-related genes in Sarajevo, Bosnia and Herzegovina. 2022 - date, present.
2. Levels of PCS1 gene expression under the influence of cadmium (Cd) in *Nicotiana tabacum*, Ravnjak genotype from Herzegovina - 2016 - date, project coordinator.

## COMPLETED PROJECTS:

1. Genetic characterization and stress assessment of indigenous 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 technique. Participant and organizer - 2018
4. Pathogen workshop (DNA/RNA and PCR analysis on marine samples) - 2017
5. Phytoremediation potential of domestic kale varieties in the Sarajevo Canton. Start: November 2016. External collaborator and coordinator representing the International University of Sarajevo. Joint project with the Faculty of Agriculture, Sarajevo - 2020.
6. Determination of GMO soy products in processed food from the Bosnian market - 2020.
7. Analysis of metabolic syndrome in the Sarajevo Canton - 2014.
8. Genetic variations of BRCA1/BRCA2 genes correlated with epigenetic parameters in breast cancer patients in the Sarajevo Canton - Completed 2023.
9. Analysis of FTO1/2/3/4 and AKT polymorphisms among type 2 diabetics in the Sarajevo Canton and ZE-DO Canton. Completed in 2023.
10. Genetic characterization and stress assessment of indigenous pepper and onion varieties from Herzegovina - Completed in 2020.
11. Infrastructure development project. Procurement of atomic force microscopy system - 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