

BASIC INFORMATION

Dr Sulejmanović (Smajić) Jasmina

Zmaja od Bosne 33-35, 71000 Sarajevo, Bosna i Hercegovina



jasmina_sulejmanovic@yahoo.com



0000-0001-9773-0568

<https://www.researchgate.net/profile/Jasmina-Sulejmanovic>https://scholar.google.com/scholar?hl=hr&as_sdt=0%2C5&q=jasmina+sulejmanovi%C4%87&oq=ja

EMPLOYMENT

Faculty of Science University of Sarajevo

Department of Chemistry, Division for analytical chemistry



Zmaja od Bosne 35, 71 000 Sarajevo, Bosna I Hercegovina

Cabinet: 133/I

Associate Professor of Analytical Chemistry

+ 387 33 279 882

jasmina.sulejmanovic@pmf.unsa.ba<http://www.pmf.unsa.ba/hemija/index.php/bs/organizacija-odsjeka/nastavno-osoblje/181-jasmina-sulejmanovic>

WORK EXPERIENCE

from 2021–today	Research associate within the society: International Society of Engineering Science and Technology, Velika Britanija
from 10. 2018–today	Associate Professor of Analytical Chemistry at the department of Chemistry of the Faculty of Science, University of Sarajevo, Bosnia and Herzegovina
2018-2022	Assistant Professor of Analytical Chemistry at the department of Chemistry of the Faculty of Science, University of Sarajevo, Bosnia and Herzegovina
2013-2018	Senior Assistant of Analytical Chemistry at the department of Chemistry of the Faculty of Science, University of Sarajevo, Bosnia and Herzegovina
2008-2013	Assistant of Analytical Chemistry at the department of Chemistry of the Faculty of Science, University of Sarajevo, Bosnia and Herzegovina
2007-2008	Young researcher within the SIMCA project (INTERREG-CARDS / PHARE - Adriatic New Neighborhood Program - "SIMCA No.38")

EDUCATION

- 2011–2018 **Doctor of Chemical Sciences**, Faculty of Science, University of Sarajevo
Doctoral dissertation: "Use of chemically modified silica gel for preconcentration and determination of traces of metals from natural water samples by FAAS method". Mentor: Prof.dr. Mustafa Memić
- 2007–2011 **Master of Chemical Sciences**, Faculty of Science, University of Sarajevo
Master's thesis: "Level of selected heavy metals in PM particulate matter > 7.2; PM_{7,2}-PM_{3,0}-PM_{1,5}-PM_{0,95}-PM_{0,49} and PM_{≤0,49} ambient air in the urban part of Sarajevo". Mentor: Prof.dr. Mustafa Memić
- 2003–2007 **Graduated chemical engineer**, BSc in Chemistry, Faculty of Science, University of Sarajevo
Thesis: "Determination of glucose by spectrophotometric o-toluidine method in some fruits with high content of anthocyanin glycosides".
Mentor: Prof.dr. Emin Sofić
- 2003–1999 Public Institution General Gymnasium „Omer Filipović“, Ključ
1999-1991 Public Institution Elementary School „15. April“, Ključ

Teaching and pedagogical work

Associate professor for the scientific field of Analytical Chemistry

Subject holder:

I study cycle:

Environmental chemistry, Environmental chemistry I, Environmental chemistry II, Electroanalytical methods, Instrumental methods of analysis, Free radicals in the environment, Legislation in the environment.

II cycle of studies:

Separation and preconcentration techniques in the analysis of inorganic ions, Sensors and analysis.

III study cycle:

Analysis of trace elements, Analysis of trace elements in water.

Associate in performing laboratory exercises for the scientific field of Analytical Chemistry for subjects:

I study cycle:

Analytical Chemistry I, Analytical Chemistry II, Analytical Chemistry III, Electroanalytical Methods, Selected Spectrometric Methods of Analysis, Environmental Chemistry, Environmental Chemistry I, Analytical Quality Control, Waste Water and Gas Treatment, Chemistry and Water Quality, Instrumental Methods of Analysis

II study cycle:

Water analytics, Sensors and analysis

Associate for courses at another faculty (Faculty of Civil Engineering, University of Sarajevo):

I study cycle:

Chemistry in construction (2008 – 2020)

Mentoring

From 2018 until today, the final papers of the first and second cycle of studies have been successfully completed for **24 candidates**.

Defended final theses of the first cycle:

- Ajla Gostevčić "Investigation of the possibility of removing heavy metal ions from aqueous solutions by SiO₂-Ta₂O₅ sorbent".
- Kovač Neira "Efficiency of sorption of heavy metal ions on SiO₂-MoO₃ sorbent from aqueous solutions."
- Spiljak Nermana "The use of silica gel modified with zirconium(IV) oxychloride hydrate for the removal of heavy metal ions from aqueous solutions."
- Ajanović Temima "The influence of selected green solvents on the extractability of sodium ions from soil"
- Alispahić Nađa "Investigation of the composition and optimization of the basic sorption parameters for the removal of cadmium(II) ions from aqueous solutions by pulverized lemon peel".
- Azemina Mujanović "Investigation of the possibility of using waste biomass as a material for the removal of zinc ions from aqueous solutions"
- Azra Hasić "Determination of Cr(VI) in selected quail organs"
- Tanja Knežević "Efficiency of modified fennel seeds for removing methylene blue from aqueous solutions"
- Kubatlija Jovana "Efficiency of pulverized pomegranate peel for removing methylene blue from aqueous solutions"
- Kadrić Rusmira "Determination of physico-chemical parameters of waste biomass of wild chestnut and walnut shell as potential biosorbents"
- Amila Nurikić "Preconcentration of heavy metal ions from aqueous solutions on corn waste biomass"
- Čevriz Selena "Comparative adsorption of methylene blue and eriochrome T on crushed pomegranate bark"
- Topoljak Lamija "Optimization of sorption parameters of selected heavy metals by biosorbent based on walnut shell"

Defended final theses of the II cycle:

- Krečo Anes "Efficiency of pomegranate waste biomass (*Punica granatum*) for the removal of heavy metal ions from aqueous solution"
- Skopak Ena "Preconcentration of metal ions from river water samples with a sorbent based on pomegranate (*Punica granatum*)"
- Ajla Gostevčić "Examination of the sorption potential of pulverized hazelnut shell for the removal of eriochrome black T"
- Kojčin Minela "Examination of the sorption potential of powdered pomegranate peel for the removal of eriochrome black T"
- Kovač Neira "Examination of the sorption potential of fennel seeds (*Foeniculum vulgare*) for the removal of Cd, Cr, Cu and Pb ions"
- Alispahić Nađa "Selection of methods of preparation of wood biomass samples (pellets and briquettes) for analysis of heavy metal content"
- Ajanović Temima "Examination of the sorption potential of pulverized grapefruit peel for the removal of eriochrome black T"
- Nurikić Amila "Synthesis, characterization and application of magnetic SiO₂ nanoparticles for the removal of heavy metals using the batch method"
- Kadrić Rusmira "Application of waste chestnut bark biomass for immobilization of heavy metal cations from aqueous solutions"
- Čevriz Selena "Synthesis of a new nanosorbent based on SiO₂ and pomegranate peel extract and its application in preconcentration technique"
- Zrno Adis "Examination of the sorption potential of pulverized grapefruit peel for the removal of methylene blue"

Membership in the Committee for the Evaluation and Defense of the Doctoral Dissertation

1. Member of the Commission for the evaluation of the working version of the doctoral dissertation entitled "Study of U(VI) sorption using biosorbents based on selected species of cyanobacteria and agricultural waste", candidate Narcisa Smječanin, MA. (April 20, 2022)

2. President of the Commission for the defense of the doctoral dissertation entitled: "Study of sorption of heavy metal ions from aqueous solutions on lemon peel - batch method" by candidate Elma Šehović, MA. (25/06/2021)

Membership in the Commission for Evaluation and Defense of Final Thesis

1st cycle of study: (until election to Associate Professor)

- 2021/22 3 candidates
2020/21 20 candidates
2019/20 6 candidates
2018/19 12 candidates

II cycle of studies

- 2021/22 7 candidates
2020/21 8 candidates
2019/20 6 candidates
2018/19 5 candidates

PERSONAL SKILLS

Mother tongue Bosnian

Foreign languages

Table with columns: UNDERSTANDING (Listening, Reading), SPEECH (Speech interaction, Speech production), WRITING. Rows for German and English with proficiency levels (B2, B1).

Certificate of English and German language skills: Soros School of Foreign Languages, Sarajevo
Degrees: A1 and A2: Beginner - B1 and B2: Independent user - C1 and C2: Experienced user
Common European Framework of Reference for Languages

MORE INFORMATION

Participation in projects

Participation in six scientific research projects

Project name "APPLICATION OF INDICATORS IN THE ASSESSMENT OF THE STATE OF WATER COURSES IN THE CANTON OF SARAJEVO AND BIOREMEDIA AS A PERSPECTIVE PROTECTION SOLUTION"

Holder Prof. dr. Renata Bešta-Gajević

Participation Collaborator

Financier Ministry of Science, Higher Education and Youth of Sarajevo Canton

Duration (2022-2023)

Project name "STUDY OF PILOT PLANTS FOR REMOVAL OF HEAVY METALS FROM INDUSTRIAL WASTEWATER USING SORBENTS ON THE BASIS OF AGRO-WASTE"

Holder prof. dr. Mustafa Memić (2019), doc.dr. Jasmina Sulejmanović (2020), Faculty of science University of Sarajevo

Participation Associate / Leader

Financier Ministry of Education, Science and Youth, Sarajevo Canton,
Duration 2 years (2019-2021)

Project name " HEALTH RISK ASSESSMENT BASED ON THE CONTENT OF HARMFUL SUBSTANCES OF CHEMICALLY ANALYZED WOOD BIOMASS (PELLETS AND BRIQUETTES) AVAILABLE ON THE BOSNIA AND HERZEGOVINA MARKET"

Holder prof.dr. Mirhe Pazalje, Faculty of Pharmacy, Sarajevo
Participation Associate
Financier Federal Ministry of Education and Science
Duration 2 years (2019-2021)

Project name „ DEVELOPMENT OF BATCH METHOD FOR REMOVAL OF HEAVY METALS FROM AQUEOUS SOLUTIONS USING LIGNOCELLULOSE WASTE-BASED BIOSORBENTS
prof. dr. Mustafa Memić, Faculty of science University of Sarajevo

Holder Associate
Participation Federal Ministry of Education and Science,
Financier 2 years (2018-2020.)
Duration

Project name *TEMPUS – NETREL PROJEKT*: Network for education and training for public environmental laboratories - Education and training network for public environmental laboratories

Holder prof.dr. Tidža Muhić-Šarac, Prirodno-matematički fakultet Univerziteta u Sarajevu
Participation Associate
Financier EU European Community
Duration 4 years (2012-2016)

Project name *INTERREG-CARDS/PHARE – Adriatic New Neighbourhood Programme – «SIMCA No.38»*,
Holder Prof.dr. Tidža Muhić-Šarac, Faculty of Science, University of Sarajevo as a partner in the Department of Environmental Chemistry, University of Venice, Italy ,

Participation Young researcher
Financier EU European Community
Duration 2 years (2007-2009)

Memberships

1. Member of the International Society of Engineering Science and Technology, UK
2. Member of the National Team of Bosnia and Herzegovina and authorized trainer for the "Internal Quality Control" module within TrainMiC (Bosnian National TrainMiC - European Commission; Joint Research Centre, IRMM - Institute for Reference Materials and Measurement, Geel, Belgium)
3. Member of the Organizing Committee of the International Congress of Chemists and Technologists of Bosnia and Herzegovina
4. Member of the Scientific Committee of the fourth International Congress of Chemists and Technologists of Bosnia and Herzegovina
5. Member of the Society of Chemists and Technologists of Sarajevo Canton
6. Member of the school board of Sarajevo Middle School of Economics

Participation in conferences / trainings / events

- 2022 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 30.06-02.07, Sarajevo, BiH.
- 2021 Participant of the international research workshop (Effective Researcher and Pedagogic Starification in Academics), University of Sarajevo, Faculty of Science, Sarajevo (14.12.)
- 2018 3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 19-21 October, Sarajevo, BiH.
- 2017 Participation in the event "Open Days of Chemistry" at the Department of Chemistry, Faculty of Science and Mathematics in Sarajevo, (April 13-14)
- 2016 2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 21-23 October, Sarajevo, BiH.
Training: "Determining the content of pesticides and pharmaceuticals in surface waters using the HPLC-DAD method", TEMPUS-NETREL ("Network for education and training for public environmental laboratories") project, University of Sarajevo, Faculty of Science, Sarajevo,(08.-12.02.)
- 2014 International Training in Metrology in Chemistry, „Principles and Applications of Metrology in Chemistry“ University of Sarajevo, Faculty of Science, Department of Chemistry, Institute of Metrology and European Commission Joint Research Centre, IRMM – Institute for Reference Materials and Measurements, Belgium, Sarajevo, Bosnia and Herzegovina, (13.-14.11.)
- 2013 International Training in Metrology in Chemistry, „Principles and Applications of Metrology in Chemistry“ University of Sarajevo, Faculty of Science, Department of Chemistry, Institute of Metrology and European Commission Joint Research Centre, IRMM – Institute for Reference Materials and Measurements, Belgium, Sarajevo, Bosnia and Herzegovina, (24.-25.10.)
- 2012 International Training in Metrology in Chemistry, „Principles and Applications of Metrology in Chemistry“ University of Sarajevo, Faculty of Science, Department of Chemistry, Institute of Metrology and European Commission Joint Research Centre, IRMM – Institute for Reference Materials and Measurements, Belgium, Sarajevo, Bosnia and Herzegovina, (01.-02.11.)
International Training in Metrology in Chemistry, „Principles and Applications of Metrology in Chemistry“ University of Sarajevo, Faculty of Science, Department of Chemistry, Institute of Metrology and European Commission Joint Research Centre, IRMM – Institute for Reference Materials and Measurements, Belgium, Sarajevo, Bosnia and Herzegovina, (28.03.)
- 2011 International Training in Metrology in Chemistry, „Principles and Applications of Metrology in Chemistry“ University of Sarajevo, Faculty of Science, Department of Chemistry, Institute of Metrology and European Commission Joint Research Centre, IRMM – Institute for Reference Materials and Measurements, Belgium, Sarajevo, Bosnia and Herzegovina, (10.-11.11.)
- 2010 International Training in Metrology in Chemistry, „Principles and Applications of Metrology in Chemistry“ University of Sarajevo, Faculty of Science, Department of Chemistry, Institute of Metrology and European Commission Joint Research Centre, IRMM – Institute for Reference Materials and Measurements, Belgium, Sarajevo, Bosnia and Herzegovina, (22.-23.04.)
Training in Metrology in Chemistry, Training of New Trainers, Institute of Metrology and European Commission Joint Research Centre, IRMM – Institute for Reference Materials and Measurements, Geel, Belgium, (24.-26.03.)
Participation in the event "Open Days of Chemistry" at the Department of Chemistry, Faculty of Science and Mathematics in Sarajevo, (May 10-14)
Participation in the event "Open Days of Chemistry" at the Department of Chemistry, Faculty of Science and Mathematics in Sarajevo, (May 11-15)
- 2009 Education and participation in the seminar "Pedagogical education of teachers and associates" at the University of Sarajevo (March 2009)

Editions

1. Chapter in the book , Ilyas, M., Ilyas, M., Sher, F., Liaqat, U., Lima, E.C., Zafar, A., **Sulejmanović, J.** and Sillanpää, M., **2022.** Advantages and Challenges of Biodegradable Electronic Devices. In *Conducting Polymers* (pp. 287-304). CRC Press.
2. University practicum , Tidža Muhić-Šarac, **Jasmina Sulejmanović**, Amela Partić „Praktikum iz hemije životne sredine I“, Prirodno-matematički fakultet, Sarajevo, **2014**, ISBN: 978-9958-592-54-6, COBISS.BH-ID: 21596934
3. Translation of the book „Green Engineering: environmentally conscious design of chemical processes“ by David Allen and David Shonnard. (Preveli: Azra Jaganjac, Kenan Čehajić, Ivan Dragičević, Ružica Dujak, Sanjin Gutić, Dalibor Karačić, Lejla Klepo, Dragan Krešić, Mersija Kukuljac, Jasmina Kustura, Amela Laličić, Martina Nokto, Edina Nurikić, **Jasmina Smajić**, Nedmir Sulejmanović, Mahira Šabanović), Prirodno-matematički fakultet, Sarajevo, **2009**, ISBN: 978-9958-592-02-7, COBISS.BH-ID:17149958

Awards and recognitions

1. Award for scientific work of the academic and scientific research staff of the University of Sarajevo for the year 2020
2. Award for scientific work of the academic and scientific research staff of the University of Sarajevo for 2019 year

Other activities

1. Reviewer in international scientific journals (Chemosphere - Elsevier, Sustainability - MDPI, Cleaner Chemical Engineering - Elsevier).
2. Associate-researcher within the society: International Society of Engineering Science and Technology, Great Britain
3. Organizer of the international research workshop (Effective Researcher and Pedagogic Starification in Academics) held at the Faculty of Science and Mathematics of the University of Sarajevo on December 14, 2021.
4. The organizer of the visit, Dr. Farooq Shera from Nottingham Trent University (NTU) from Great Britain, as a guest lecturer to the students of the Department of Chemistry (PMF-UNSA) on the topic "Climate change, Carbon reduction, Strategies and Energy Trilemma" (December 17, 2021) as part of the course "Environmental Chemistry I" and "Environmental Legislation" of which I am the holder.
5. Participant/initiator in the implementation of the establishment of inter-university cooperation (UNSA and NTU) signed on April 27, 2022 (No. 0/01/-4783/22).

BIBLIOGRAPHY

Papers at scientific conferences

2022 **Jasmina Sulejmanović***, Ena Skopak, Elma Šehović, Adnan Zahirović, Farooq Sher, (2022) Waste Biomass of Pomegranate (*Punica granatum*) as Green Biosorbent Material for Water Remediation, 25th Conference on Process Integration for Energy Saving and Pollution Reduction - PRES'22, Bol, Croatia, 05-08.09.2022, Book of Abstracts, PRES22.0168 (oral presentation)

Sher F., **Sulejmanović J.**, Begić S., Ziani I., Smječanin N., Karadža A., Šehović E., Omanović R., Nuhanović M. (2022) Electrocoagulation coupled with oxidation as an effective approach for industrial wastewater treatment, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, 30.06-02.07, Knjiga sažetaka, PP-ENC-23, p.123.

Sulejmanović, J., Zrno, A., Omanović, R., Topčagić, A., Begić, S. and Jurković, J. (2022) Novel approach for effective removal of methylene blue dye from water using grapefruit peel as a potential biosorbent, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, 30.06-02.07, Knjiga sažetaka, PP-ENC-05, p.105.

Sulejmanović, J., Kojčin, M., Kubatlja, J., Karadža, A., Žero, S. and Zahirović, A. (2022) Adsorption of Eriochrome Black T (EBT) and Methylene Blue (MB) dyes using pulverized pomegranate peel as biosorbent – Characterization and optimization, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, 30.06-02.07, Knjiga sažetaka, PP-ENC-08, p.108

- Jurković, J., Tvica M., Babajić E., Čengić L., **Sulejmanović J.** (2022), Redox - sensitive elements (Ti, As, V and Fe) in a clay pit samples with and without Al – normalization, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, 30.06-02.07, Knjiga sažetaka, PP-ENC-01, p.101.
- Masleša, A., **Sulejmanović, J.**, Šehović, E., Begić, S., Sher, F. and Selović. A. (2022) Biosorption removal study of Methylene blue dye from aqueous solution on a Citrus limon peel, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, 30.06-02.07, Knjiga sažetaka, PP-ENC-04, p.104.
- Krečo, A., **Sulejmanović, J.**, Zahirović, A., Memić, M. (2022) Novel “in-house” chemical treatments of pomegranate peel (*Punica granatum*) for simultaneous heavy metal removal, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, 30.06-02.07, Knjiga sažetaka, OP-26, p.34. (oral presentation)
- 2021 Musić E., Pazalja M., Salihović M., **Sulejmanović J.**, Begić S. Analysis of heavy metals in ashes of wood biomass. *The 7th International Congress “Engineering, Environment and Materials in Process Industry” – EEM2021*, Sarajevo, BiH 17-19 March, Book of Abstracts CHE-23, p 254
- 2019 Mirha Pazalja, Mirsada Salihović, **Jasmina Sulejmanović**, Mustafa Memić, Sabina Begić. Determination of the content of heavy metals in pellet and pellet ash by FAAS technique. *VI International scientific-professional symposium “Environmental resources, sustainable development and food production”*, Tuzla, 14-15 Novembar, Bosnia and Herzegovina, Book of Abstracts: section:Chemical analysis, control and monitoring”, p.35
- Konjević I., Selović A., **Sulejmanović J.**, Jelena Ostojić. Ultrasound-Assisted extraction of heavy metals from different oarticle size fractions of soil. *7th Conference of the young chemists of Serbia, Serbia 2.novembar*, Book of abstracts, CAPP 18
- 2018 **Sulejmanović, J.**, Salešević, M., Memić, M. Silica Gel Impregnated by Vanadium(V) Oxide: Synthesis, Characterization and Application as a Novel Solid Phase Extractant for Cd(II), Cr(III), Cu(II) and Pb(II). *3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH 19-21 October, Book of Abstracts, PP-AC-04, p.34
- Jurković, J., **Sulejmanović, J.**, Tahmaz, J. Determination of Water Content in Infant Formula. *3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH 19-21 October, Book of Abstracts, PP-AC-05, p.35
- 2016 Alagić N., Herceg K., Huremović J., **Sulejmanović J.**, Žero S. Levels of Pb, Cr, and Cd in Soil Samples hrom Sarajevo and Central Bosnia Canton Areas. *2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH 21-23 October, Book of Abstracts, PP-AEC-14, p.42
- Kopić E., Muhić-Šarac T., **Sulejmanović J.** Content of Cd, Cu, Fe, Mn, Pb and Zn in Hair Dyes. *2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH 21-23 October, Book of Abstracts, PP-AEC-08, p.36
- Sulejmanović J.**, Memić M., Begić S. Silica Gel-Molybdenum(VI) Oxide as a New Sorbent for Solid Phase Extraction of Cd(II), Cu(II), Mn(II) and Pb(II). *2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH 21-23 October, Book of Abstracts, PP-AEC-07, p.35
- Abdić Š., Memić M., **Sulejmanović J.**, Begić S. Untreated Tangerina Peel (*Citrus reticulata*) as Biosorbent for the Removal of Cd(II), Cu(II), Pb(II) and Zn(II) from Aqueous Solutions. *2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH 21-23 October, Book of Abstracts, PP-AEC-06, p.34
- 2014 Redžić S., Sijarić G., Muhić-Šarac T., Pehlić E., **Sulejmanović J.** Analysis of the soil in the vicinity of the mine “Bužim” – northwestern part of Bosnia and Herzegovina. *Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International participation*, Sarajevo, BiH 10-12 October, Book of Abstracts, PP-AEC-22, p.55

Smajić M., **Sulejmanović J.**, Memić M. Chemically modified Silica gel with Zirconium (IV) Oxochlorid Octahydrate for Solid Phase Extraction and Preconcentration of Cr (III) and Pb (II). *Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International participation*, Sarajevo, BiH 10-12 October, Book of Abstracts, PP-AEC-22, p.48

2012 De Pieri, S., Arruti, A., Huremovic, J., **Sulejmanovic, J.**, Muhic-Sarac, T., Memic, M., Selovic, A., Đorđević, D., Fernández-Olmo, I., Gambaro, A., Barbante, C. PAHs in Sarajevo city gas phase distribution in night and day samples source recognition and human inhalation risk. *XXIII Congresso Nazionale della Divisione di Chimica Analitica*, Societa Chimica Italiana, Isola d'Elba, 16-20 Septembar, Book of Abstracts, p.126.

2009 Huremović, J., Gambaro, A., Muhić-Šarac, T., Radaelly, M., Memić, M., Stortini, A.M., Selović, A., **Smajić, J.**, Pieri, S.D. PM-10 and heavy metals in particulate matter of Sarajevo town, Bosnia and Herzegovina, *5th BioMAP, 5th International Workshop on Biomonitoring of Air pollution*, Buenos Aires, Argentina, 20-24 September, poster prezentacija, Book of Abstracts, BM09048.

Muhić-Šarac, T., **Sulejmanović J.**, Huremović, J., Selović, A., Memić, M. Heavy metals in particulate matter of Sarajevo town, Bosnia and Herzegovina, *2nd Symposium of Chemistry and Environment*, Bar, Montenegro, 16-19 September, Book of Abstracts, PS1109, p.128

Scientific research and professional papers

1. Šehović, E., Memić, M., **Sulejmanović, J.**, Hameed, M., Begić, S., Ljubijankić, N., ... & Sher, F. (2022). Thermodynamic valorisation of lignocellulosic biomass green sorbents for toxic pollutants removal. *Chemosphere*, 307, 135737. (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 8.943 za 2022, Q1**)
2. Sadaf, S., Singh, A. K., Iqbal, J., Kumar, R. N., **Sulejmanović, J.**, Habila, M. A., ... & Sher, F., 2022. Advancements of sequencing batch biofilm reactor for slaughterhouse wastewater assisted with response surface methodology. *Chemosphere*, 135952. (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 8.943 za 2022, Q1**)
3. Smječanin, N., Bužo, D., Mašić, E., Nuhanović, M., **Sulejmanović, J.**, Azhar, O., & Sher, F., 2022. Algae based green biocomposites for uranium removal from wastewater: Kinetic, equilibrium and thermodynamic studies. *Materials Chemistry and Physics*, 283, 125998 (**Web of Science Core Collection: Science Citation Index Expanded, Impact factor za 4.094 za 2020, Q2**)
4. **Sulejmanović J.**, Jurković J., Ajanović T., Selović A., Nuhanović M., Ajanović A., Kovo K., Durić L., Botonjić M., 2022. Extractability of sodium ions from soil, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 58, 7-18. (**Web of Science Core Collection: Emerging Sources Citation Index**)
5. **Sulejmanović J.**, Memić M., Šehović, Omanović R., Begić S., Pazalja M., Ajanović A., Azhar O. and Sher F., 2022. Synthesis of green nano sorbents for simultaneous preconcentration and recovery of heavy metals from water, *Chemosphere*, 133971, <https://doi.org/10.1016/j.chemosphere.2022.133971> (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 7.086 za 2020, Q1**)
6. Smječanin, N., Nuhanović, M., **Sulejmanović, J.**, Grahek, Ž. and Odošajić, A., 2022. Study of uranium biosorption process in aqueous solution by red beet peel. *Journal of Radioanalytical and Nuclear Chemistry*, pp.1-13. <https://doi.org/10.1007/s10967-022-08192-6> (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Physical, Chemical & Earth Sciences, Impact factor: 1.371 za 2020, Q3**)
7. Ibrahimović E., Puga E., Trako N., Huremović J., Selović A., **Sulejmanović, J.** and Omanović, R., 2021. Heavy metal contamination of street dust of Canton Sarajevo, Bosnia and Herzegovina—Health risk assessment. *Human and Ecological Risk Assessment: An International Journal*, 28 (1): 100-113. <https://doi.org/10.1080/10807039.2021.2017261> (**Web of Science Core Collection: Science Citation**)

Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 5.190 za 2020, Q1)

8. Hassan M. H. A., Sher F., Sehar S., Rasheed T., Zafar A, **Sulejmanović J.**, Ali U., and Rashid T., **2021**, Hydrothermally engineered enhanced hydrate formation for potential CO₂ capture applications. *Journal of Environmental Chemical Engineering*, 9(6): 106515, <https://doi.org/10.1016/j.jece.2021.106515> (Web of Science Core Collection: Science Citation Index Expanded, Impact factor: 4.300 za 2020, **Q1**)
9. Pazalja M., Salihović M., **Sulejmanović**, Smajović A., Begić S., Špirtović-Halilović S., Sher F., **2021**, Heavy metals content in ashes of wood pellets and the health risk assessment related to their presence in the environment. *Scientific reports* 11(1): 1-9, <https://doi.org/10.1038/s41598-021-97305-4> (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Physical, Chemical & Earth Sciences, Impact factor: 3.998 za 2020, Q1**)
10. **Sulejmanović J.**, Kovač N., Memić M., Šabanović E., Begić S., Sher F., **2021**. Selective removal of lead ions from aqueous solutions using SiO₂-MoO₃: Isotherm, kinetics and thermodynamic studies, *Case Studies in Chemical and Environmental Engineering*, 3, 100083, <https://doi.org/10.1016/j.cscee.2021.100083>. (*Directory of Open Access Journals (DOAJ)*)
11. Sher, F., Iqbal, S.Z., Rasheed, T., Hanif K., **Sulejmanović J.**, Zafar F., Lima E.C., **2021**. Coupling of electrocoagulation and powder activated carbon for the treatment of sustainable wastewater. *Environmental Science Pollution Research*. <https://doi.org/10.1007/s11356-021-14129-5> (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 4.223 za 2020, Q1**)
12. Nuhanović, M., Smječanin, N., Mulahusić, N., **Sulejmanović J.**, **2021**. Pomegranate peel waste biomass modified with H₃PO₄ as a promising sorbent for uranium(VI) removal. *Journal of Radioanalytical Nuclear Chemistry* 328, 617–626. <https://doi.org/10.1007/s10967-021-07664-5> (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Physical, Chemical & Earth Sciences, Impact factor: 1.371 za 2020, Q3**)
13. Suljević, D., Handžić, N., Fočak, M., Lasić, I., Sipović, F., **Sulejmanović, J.**, & Alijagic, A., **2021**. Lead Exposure Influences Serum Biomarkers, Hepatocyte Survival, Bone Marrow Hematopoiesis, and the Reproductive Cycle in Japanese Quails. *Biological Trace Element Research*, 199 (4): 1574-1583. (**Web of Science Core Collection: Science Citation Index Expanded, Impact factor: 3.738 za 2020, Q2**)
14. Suljević, D., **Sulejmanović, J.**, Fočak, M., Halilović, E., Pupalović, D., Hasić, A., & Alijagic, A., **2021**, Assessing hexavalent chromium tissue-specific accumulation patterns and induced physiological responses to probe chromium toxicity in Coturnix japonica quail. *Chemosphere*, 266, 129005. (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 7.086 za 2020, Q1**)
15. Sehar, S., Sher, F., Zhang, S., Khalid, U., **Sulejmanović, J.**, & Lima, E. C., **2020**, Thermodynamic and kinetic study of synthesised graphene oxide-CuO nanocomposites: A way forward to fuel additive and photocatalytic potentials. *Journal of Molecular Liquids*, 313, (In-press). Article number [113494] <https://doi.org/10.1016/j.molliq.2020.113494> (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Physical, Chemical & Earth Sciences, Impact factor: 6.165 za 2019, Q1**).
16. Elma Šabanović, Mustafa Memić, **Jasmina Sulejmanović**, Alisa Selović, **2020**, Simultaneous adsorption of heavy metals from water by novel lemon-peel based biomaterial, *Polish Journal of Chemical Technology*, 22(1): 46-53 (**Web of Science Core Collection: Science Citation Index Expanded, Impact factor: 0.975 za 2019**)
17. **Jasmina Sulejmanović**, Mustafa Memić, Elma Šabanović, Nevzeta Ljubijankić, **2019**, A tantalum(V) oxide impregnated silica gel surface: application as a promising adsorbent for simultaneous heavy metal preconcentration, *Analytical Methods* 11(48): 6184-6192 (**Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Current Contents Physical,**

Chemical & Earth Sciences, Impact factor: 2.896 za 2019, Q2)

18. Jurković Josip, **Sulejmanović Jasmina**, Tahmaz Jasmina, Gavrić Teofil, 2019, Determination of water content in infant formula, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 53: 37-42 (**Web of Science Core Collection: Emerging Sources Citation Index**)
19. **Jasmina Sulejmanović**, Elma Šabanović, Sabina Begić, Mustafa Memić, 2019, Molybdenum(VI) oxide-modified silica gel as a novel sorbent for the simultaneous solid-phase extraction of eight metals with determination by flame atomic absorption spectrometry, *Analytical Letters*, 52(4): 588-601. (**Web of Science Core Collection, Impact factor: 1.206 za 2017, Q3**)
20. Šemsa Abdić, Mustafa Memić, Elma Šabanović, **Jasmina Sulejmanović**, Sabina Begić, 2018, Adsorptive removal of eight heavy metals from aqueous solution by unmodified and modified agricultural waste: tangerine peel, *International Journal of Environmental Science and Technology*, 1-8 (**Web of Science Core Collection: Science Citation Index Expanded, Impact factor: 2.037 za 2017, Q2**)
21. Elma Šabanović, Mustafa Memić, **Jasmina Sulejmanović**, Jasna Huremović, 2016, Sorption of metals on pulverized pumpkin (*Cucurbita Pepo L.*) peels, *Analytical Letters*, 49(15): 2446-2460 (**Web of Science Core Collection, Impact factor: 1.15 za 2016, Q3**)
22. **Jasmina Sulejmanović**, Mustafa Memić, Jasna Huremović, Alisa Selović, 2015, Simultaneous preconcentration of Co(II), Cr(III), Fe(III), Mn(II), Ni(II), and Pb(II) by FAAS using silica gel modified with niobium(v) oxide, *Chemical Science Review and Letters*, 4(14): 662-670 (*SCOPUS, Thomson Reuters Since Citation Index, DOAJ, Chemical Abstracts Service (CAS)*)
23. Alema Dedić, Mustafa Memić, **Jasmina Sulejmanović**, 2015, Preconcentration of heavy metals on oxides of cerium and zirconium and their determination by FAAS, *Pelagia Research Library, Der Chemica Sinica*, 6(4):51-56 (*Chemical Abstracts Service, EBSCO Database, Environmental Impact Abstract, Environmental Science Database, CABI*)
24. Elma Šabanović, Mustafa Memić, **Jasmina Sulejmanović**, Jasna Huremović, 2015, Pulverized banana peel as an economical sorbent for the preconcentration of metals, *Analytical Letters*, 48 (3): 442-452 (**Web of Science Core Collection, Impact factor: 1.088 za 2015, Q3**)
25. Svraka I., Memić M., **Sulejmanović J.**, Muhić-Šarac T. 2014, Preconcentration of metal ions using silica gel 60 F₂₅₄, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 42: 11-16 (*Chemical Abstract*)
26. **J. Sulejmanović**, T. Muhić-Šarac, M. Memić, A. Gambaro, A. Selović. 2014, Trace metal concentrations in size-fractionated urban atmospheric particles of Sarajevo, Bosnia and Herzegovina, *International Journal of Environmental Research* 8 (3): 711-718 (**Web of Science Core Collection: Science Citation Index Expanded, Impact Factor: 1.105 za 2014, Q2**)
27. De Pieri S, Arruti A, Huremovic J, **Sulejmanovic J**, Selovic A, Đorđević D, Fernández-Olmo I, Gambaro A., 2014, PAHs in the urban air of Sarajevo: levels, sources, day/night variation, and human inhalation risk, *Environmental Monitoring and Assessment* 186 (3): 1409-1419 (**Web of Science Core Collection: Science Citation Index Expanded, Impact Factor: 1.592 za 2014, Q2**)
28. Velispahić Aldina, Huremović Jasna, Selović Alisa i **Sulejmanović Jasmina**, 2013, Određivanje sadržaja kroma u biljnom materijalu u okolini tvornice cementa. *Radovi hrvatskog društva za znanost I umjetnost XIV-XV*: 222-226 (*CAB Publishing-UK*)
29. Delić Ena, Huremović Jasna, **Sulejmanović Jasmina** i Selović Alisa, 2013, Određivanje teških metala u udžbeničkoj hartiji. *Radovi hrvatskog društva za znanost I umjetnost XIV-XV*: 222-226 (*CAB Publishing-UK*)
30. Kurtagić H., Redžić S., Memić M., **Sulejmanović J.**, 2013, Identification and quantification of quercetin, naringenin and hesperetin by RP LC – DAD in honey samples from BIH, *Bulletin of the Chemists and*

Technologists of Bosnia and Herzegovina, 40: 25-30 (Chemical Abstract)

31. Kešeljević, B., Huremović, J., **Sulejmanović, J.**, 2012, Determination of mercury in the urine by atomic absorption spectrometry – cold vapor technique, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 38: 31-34. (Chemical Abstract)
32. Mustafa Memić, Alisa Selović, **Jasmina Sulejmanović**, 2011, Antifungalna aktivnost odabranih policikličnih aromatičnih ugljikovodika prema lignolitičkim gljivama, *Hemijska industrija*, 65 (5): 575–581 (*Web of Science*, *SCI Expanded*, *JCR*, *Scopus*)

Sarajevo, 06.12.2022.

Sulejmanović Jasmina