



Narcisa Smječanin

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LinkedIn: <https://www.linkedin.com/feed/>

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[view_op=list_works&hl=hr&user=_KPF88AAAAJ](https://scholar.google.hr/citations?view_op=list_works&hl=hr&user=_KPF88AAAAJ)

Website: <https://orcid.org/0000-0001-6283-3110>

Work: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosnia and Herzegovina)

WORK EXPERIENCE

Senior teaching assistant

University of Sarajevo, Faculty of Science [31/05/2021 – Current]

City: Sarajevo, Zmaja od Bosne, 33-35

Country: Bosnia and Herzegovina

Senior teaching assistant for radiochemistry
Division for radiochemistry

Assistant

University of Sarajevo, Faculty of Science [15/07/2018 – Current]

City: Sarajevo, Zmaja od Bosne 33-35

Country: Bosnia and Herzegovina

Assistant for Divisions of radiochemistry and chemical technology

Demonstrator

University of Sarajevo, Faculty of Agriculture and Food Science [30/11/2016 – 31/01/2017]

City: Sarajevo, Zmaja od Bosne 8

Country: Bosnia and Herzegovina

Describe your tasks and responsibilities.

Teaching experience

University of Sarajevo, Faculty of Science [15/07/2018 – Current]

City: Sarajevo

Country: Bosnia and Herzegovina

In the period from 2018 until today, as an assistant and senior teaching assistant, I was in charge of the following subjects:

1 cycle of studies:

Radiochemistry; Radioactive waste and its disposal; Biotechnology; Green chemistry; Biofuels;
Biotechnological waste decomposition; Industrial chemistry; Principles and processes in industrial chemistry;
General and inorganic chemistry (for biology students); Inorganic syntheses; Purification of wastewater and gases;
Mineralogy with crystallography; Veterinary Biochemistry I; Biochemistry; Environmental Chemistry



II cycle of studies:

Depleted uranium in the environment; Determination of radionuclides in environmental samples

EDUCATION AND TRAINING

Doctor of Chemical Science

University of Sarajevo, Faculty of Science [08/11/2019 – 02/09/2022]

Address: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosnia and Herzegovina)

Master of Chemistry

University of Sarajevo, Faculty of Science [30/09/2016 – 01/12/2017]

Address: Zmaja od Bosne, 33-35, 71000 Sarajevo (Bosnia and Herzegovina)

Bachelor of Engineering Chemistry

University of Sarajevo, Faculty of Science [18/09/2012 – 04/12/2016]

Address: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosnia and Herzegovina)

Short courses on research into radiation risks and radiation protection-sponsored by CONCERT: Series 4, 2018-19. "Measurement techniques used in monitoring of naturally occurring radionuclides"

Silesian Centre for Environmental Radioactivity, Central Mining Institute, Katowice (Poland), [18/05/2019 – 01/06/2019]

Address: Katowice (Poland)

IAEA TC project - RER7009, Regional Training Course on Advances of Fast Neutron Activation Analysis and Gamma Spectroscopy in Environmental Applications

IAEA-Ruđer Bošković Institute [03/11/2019 – 07/11/2019]

Address: Zagreb (Croatia)

Training Research for Academic Newcomers/ Program cjeloživotnog učenja u oblasti pedagoškog obrazovanja jačanja kompetencija akademskog osoblja Univerziteta u Sarajevu

University of Sarajevo [05/2019 – 07/2019]

Address: 71000 Sarajevo (Bosnia and Herzegovina)

International Research Workshop, Effective Reseracher and Pedagogic Stratification in Academics, Faculty of Science, Sarajevo,

Nottingham Trent University, Dr. Farooq Sher [13/12/2021 – 13/12/2021]

Address: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosnia and Herzegovina)

LANGUAGE SKILLS

Mother tongue(s): **Bosanski**

Other language(s):

Engleski

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Njemački

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

Digital skills

Microsoft Excel / Origin Pro / EndNote / Windows / Microsoft Word / Microsoft PowerPoint / Word



Organization skills

Well-organized / Teamwork / Working in International Environment

PUBLICATIONS

[Cüneyt Altındaş, Farooq Sher, Narcisa Smječanin, Eder C Lima, Tazien Rashid, Irfan Ul Hai, Ali Karaduman \(2023\) Synergistic interaction of metal loaded multifactorial nanocatalysts over bifunctional transalkylation for environmental applications, Environmental Research, 216, 114479. \(Web of Science\)](#)

[2022]

<https://doi.org/10.1016/j.envres.2022.114479>

Unesite opis

[P Deshmukh, SK Sar, N Smječanin, M Nuhanović, R Lalwani \(2022\) Magnetically Modified Waste Bark of Aegle marmelos Tree as a Promising Biosorbent for Uranium \(VI\) Sorption, Radiochemistry, 64 \(4\), 532-542. \(Web of Science\).](#)

[2022]

<https://doi.org/10.1134/S1066362222040099>

[Andrija Vinković, Gennadiy Laptyev, Günseli Yaprak, Krasimira Slavova, Danijela Joksimović, Tamara Troškot-Čorbić, Marina Frontasyeva, Octavian G Duliu, Elida Bylyku, Manjola Shyti, Famil Humbatov, Mirza Nuhanović, Narcisa Smječanin et. al \(2022\) Could atmospheric carbon be driving sedimentation? Journal of Soils and Sediments, 1-17. \(Web of Science\)](#)

[2022]

<https://doi.org/10.1007/s11368-022-03282-0>

[Smječanin, N., Nuhanović, M., Sulejmanović, J. et al. Study of uranium biosorption process in aqueous solution by red beet peel. \(2022\) Journal of Radioanalytical and Nuclear Chemistry, 331, 1459-1471. \(Web of Science\)](#)

[2022]

<https://link.springer.com/article/10.1007/s10967-022-08192-6#citeas>

[M Nuhanović, E Šehović, N Smječanin, D Hodžić, A Vinković \(2022\) Assessment of Natural and Anthropogenic Radionuclides in Urban Soil of Sarajevo \(Bosnia and Herzegovina\), Radiochemistry, 64\(3\), 416-423. \(Web of Science\)](#)

<https://doi.org/10.1134/S1066362222030201>

[Nedžad Gradašćević, Alisa Selović, Nedim Mujić, Narcisa Smječanin, Nejra Karaman, Mirza Nuhanović \(2022\) Study of radionuclides and heavy metal migration through soil profiles \(0-60 cm\) at points near the targets of NATO strikes in 1995: environmental monitoring and assessment. Environmental Monitoring and Assessment, 194 \(8\), 522. \(Web of Science\)](#)

<https://link.springer.com/article/10.1007/s10661-022-10168-8#citeas>



Narcisa Smječanin, Dženana Bužo, Ermin Mašić, Mirza Nuhanović, Jasmina Sulejmanović, Ofaira Azhar, Farooq Sher (2022) Algae based green biocomposites for uranium removal from wastewater: Kinetic, equilibrium and thermodynamic studies, Materials Chemistry and Physics, 283,125998. (Web of Science)

Saida Ibragić, Narcisa Smječanin, Ranko Milušić & Mirza Nuhanović (2021) Pomelo peel and sugar beet pulp as novel biosorbents in purification of biodiesel, Biofuels, 13:6, 755-762. (Web of Science)

[2021]

Mirza Nuhanović, Narcisa Smječanin, Nerma Curić, Andrija Vinković (2021) Efficient removal of U(VI) from aqueous solution using the biocomposite based on sugar beet pulp and pomelo peel. Journal of Radioanalytical and Nuclear Chemistry,1-12. (Web of Science)

[2021]

https://www.researchgate.net/publication/349995670_Efficient_removal_of_UVI_from_aqueous_solution_u

Link: <https://link.springer.com/article/10.1007/s10967-021-07651-w>

Mirza Nuhanović, Narcisa Smječanin, Neira Mulahusić, Jasmina Sulejmanović (2021) Pomegranate peel waste biomass modified with H3PO4 as a promising sorbent for uranium(VI) removal Journal of Radioanalytical and Nuclear Chemistry,1-10. (Web of Science)

[2021]

Link: <https://link.springer.com/article/10.1007/s10967-021-07664-5>

Ibragić, S., Smječanin, N., Hodžić, S., Ramčić, Š., Nuhanović, M. (2020) Study of uranium bioaccumulation capacity of Salvia officinalis L. and Ocimum basilicum L. enhanced by citric acid, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 55:1-6 . (Web of Science)

[2020]

Link: <https://www.researchgate.net/publication/>

[348003286_Study_of_uranium_bioaccumulation_capacity_of_Salvia_officinalis_L_and_Ocimum_basilicum_L_enhanced_by_citric_acid](https://www.researchgate.net/publication/348003286_Study_of_uranium_bioaccumulation_capacity_of_Salvia_officinalis_L_and_Ocimum_basilicum_L_enhanced_by_citric_acid)

M. Nuhanović, M. Grebo, S. Draganović, M. Memić & N. Smječanin (2019) Uranium(VI) biosorption by sugar beet pulp: equilibrium, kinetic and thermodynamic studies, 322:2065-2078. (Web of Science)

[2019]

Nuhanović M, Memić S, Sušić E, Smječanin N (2018) Influence of tested parameters on biodiesel quality obtained from used and unused vegetable oil. Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 51:7-12. (Web of Science)

[2018]

Link: <https://www.researchgate.net/publication/>

[336852053_Influence_of_tested_parameters_on_biodiesel_quality_obtained_from_used_and_unused_vegetable_oil](https://www.researchgate.net/publication/336852053_Influence_of_tested_parameters_on_biodiesel_quality_obtained_from_used_and_unused_vegetable_oil)



KNJIGE

Mirza Nuhanović, Nedžad Gradašćević, Narcisa Smječanin, Osnove gamaspektrometrije sa praktikumom, Publisher - University of Sarajevo, Faculty of Science in Sarajevu, 2022, ISBN 978-9926-453-42-8.

[2022]

CONFERENCES AND SEMINARS

3th International Congress of Chemist and Chemical Engineers of Bosnia and Herzegovina

[Sarajevo, Bosnia and Herzegovina, 18/10/2018 – 20/10/2018]

Conference for water protection "Water and Life"

[Čapljina, Bosnia and Herzegovina, 27/09/2018]

7th International Conference on Radiation in Various Fields of Research

[Herceg Novi, Montenegro, 08/06/2019 – 14/06/2019]

10th Jubilee International Conference on Radiation in Various Fields of Research (RAD 2022)Spring edition

[Herceg Novi, Montenegro, 13/06/2022 – 17/06/2022]

4th International Congress of Chemists and Chemical Engineers of B&H

[Sarajevo, B&H, 30/06/2022 – 02/07/2022]

BOOK OF ABSTRACTS

Nuhanović Mirza, Smječanin Narcisa, Grebo Mirza, Draganović Sanel. Waste water in the pharmaceutical industry. Conference with international participation, "Water and Life"

[27/09/2018 – 27/09/2018]

Čapljina, Bosnia and Herzegovina

Nuhanović M, Drešković N, Đug S, Smječanin N. Measurements of the natural radioactivity of the sediment samples from the area of Una River, Bosnia and Herzegovina. 7th International Conference on Radiation in Various Fields of Research

[08/06/2019 – 14/06/2019]

Herceg Novi, Montenegro

Begy R-Cs, Kelemen Sz, Nikolov J, Todorovic N, Smječanin N, Nuhanović M, Krmar M, Veres DS. Reconstruction of Climate variations from Modern Warm Period in Balkan region by using 210-Pb chronology.

[07/09/2019 – 12/09/2019]

5th International Conference on Environmental Radioactivity Variations of Environmental Radionuclides, Prague, Czech Republic, p. 226

Assessment of radioactivity and heavy metal content in thermal water B&H, Mirza Nuhanović, Narcisa Smječanin, Elma Šehović, Jasmina Sulejmanović

[13/06/2022 – 15/06/2022]

Adriatic Biodiversity Protection, International Conference - AdriBioPro 2022



Removal of U(VI) by selected type of cyanobacteria from the territory of Bosnia and Herzegovina
Narcisa Smječanin, Jasmina Sulejmanović, Ermin Mašić, Mirza Nuhanović

[13/06/2022 – 17/06/2022]

10th Jubilee International Conference on Radiation in Various Fields of Research (RAD 2022) Spring edition
Herceg Novi, Montenegro

Link: <https://www.rad-conference.org/books.php>

Call for research into carbon limitation of primary productivity in seas, A. Vinković, G. Lapytev, G. Yaprak, K. Slavova, D. Joksimović, T. Troškot-Čorbić, I. Tucaković, M. Frontasyeva, O.G. Duliu, E. Bylyku, M. Nuhanović, N. Smječanin et al., p.

[13/06/2022 – 15/06/2022]

Adriatic Biodiversity Protection, International Conference - AdriBioPro 2022

Comparison of agricultural vs. cyanobacterial based biosorbents for uranium (VI) removal from wastewaters
Narcisa Smječanin, Mirza Nuhanović, p.

[30/06/2022 – 02/07/2022]

4th International Congress of Chemists and Chemical Engineers of B&H

Electrocoagulation coupled with oxidation as an effective approach for industrial wastewater treatment
Sher, F.*, Sulejmanović, J., Begić, S., Ziani, Smječanin, N., Karadža, A., Šehović, E., Omanović, R., and Nuhanović, M. p.

[30/06/2022 – 02/07/2022]

4th International Congress of Chemists and Chemical Engineers of B&H

POSTER PRESENTATION

Nuhanović M, Drešković N, Đug S, Smječanin N (2019) Measurements of the natural radioactivity of the sediment samples from the area of Una River, Bosnia and Herzegovina. 7th International Conference on Radiation in Various Fields of Research,

[08/06/2019 – 14/06/2019]

Herceg Novi, Montenegro

Nuhanović M, Memić S, Sušić E, Smječanin N (2018) Influence of tested parameters on biodiesel quality obtained from used and unused vegetable oil. 3th International Congress of Chemist and Chemical Engineers of Bosnia and Herzegovina.

[18/10/2018 – 20/10/2018]

Sarajevo, Bosnia and Herzegovina

Narcisa Smječanin, Mirza Nuhanović (2022) Comparison of agricultural vs. cyanobacterial based biosorbents for uranium (VI) removal. 4th International Congress of Chemists and Chemical Engineers of B&H from wastewaters

[30/06/2022 – 02/07/2022]

Sarajevo, Bosnia and Herzegovina

Narcisa Smječanin, Jasmina Sulejmanović, Ermin Mašić, Mirza Nuhanović (2022) Removal of U(VI) by selected type of cyanobacteria from the territory of B&H. 10th Jubilee International Conference on Radiation in Various Fields of Research (RAD)

[13/06/2022 – 17/06/2022]

Herceg Novi, Montenegro



HONOURS AND AWARDS

Winner of the special award SILVER BADGE, UNIVERSITY OF SARAJEVO, as one of the best students for the II cycle of studies at the Faculty of Science, University of Sarajevo

University of Sarajevo [01/12/2017]

Winner of the special award SILVER BADGE, UNIVERSITY OF SARAJEVO, as one of the best students for the I cycle of studies at the Faculty of Science, University of Sarajevo

University of Sarajevo [04/12/2016]

Certificate for best poster presentation award, 2nd place at the 4th International Congress of Chemists and Chemical Engineers of B&H

University of Sarajevo, Faculty of Science [02/07/2022]

PROJECTS

Supporting decision making and building capacity to support IPBES through national ecosystem assessments

[2020 - Current]

Faculty of Science, University of Sarajevo, Center for Ecology and Natural Resources "Academician Sulejman Redžić"

Member of the project for the evaluation of radioactivity in Bosnia and Herzegovina

Wastewater treatment loaded with uranium by blue-green algae from territory of Bosnia and Herzegovina

[2021 - 2022]

Federal Ministry of Education and Science, Federation of Bosnia and Herzegovina (FBiH)

Researcher and project member



SCIENTIFIC POPULAR AND RESEARCH PROJECTS

FMON (2022). 9th day of natural sciences in FB&H, Scientific popular and research project, "Nuclear energy", "Biomining", project member in front of University of Sarajevo, Faculty of Science in Sarajevo, Tuzla, 2022.

[2022]

FMON (2021). 8th day of natural sciences in FBiH, Scientific popular and research project, "Modern themes in natural sciences", "Viral infectious diseases", project member in front of University of Sarajevo, Faculty of Science, Mostar, 2021.

[2021]

FMON (2020). 7th day of natural sciences in FBiH, "Online learning in a multicultural environment during the pandemic", COVID 19; "Radioactive waste and its disposal", project member in front of University of Sarajevo, Faculty of Science, 2020

[2020]

FMON (2019). 6th Day of Natural Sciences in FBiH, Scientific popular and research project, "Soil Health", project member in front of University of Sarajevo, Faculty of Science in Sarajevo, Tuzla, 2019

[2018]

FMON (2018). 5th Day of Natural Sciences in FBiH, "Water and Life", project member in front of University of Sarajevo, Faculty of Science in Sarajevo, Čapljina, 2018

[2017]

NETWORKS AND MEMBERSHIPS

Member of the Association of Chemists and Technologists of Sarajevo Canton

[Sarajevo, 2017]

Research assistant International Society of Engineering Science and Technology, UK Nottingham

[UK Nottingham , 2020 – Current]

External journal articles reviews

Internal ISEst research group articles reviews

Writing research papers, book chapters, editorials and articles

Working on other research projects

Completing research trainings

Complete Professional development courses

Participating in research events research workshops, seminars, conferences

Link: <https://www.linkedin.com/company/isest/>



Editor Assistant at International Society of Engineering Science and Technology, UK Nottingham
[UK, Nottingham, 2022 – Current]

CERTIFICATES

Certificate of Excellence for Fundamentals of Publishing by Research Academy, Elsevier
[31/08/2022]

Certificate of Excellence for Fundamentals of manuscript preparation by Research Academy, Elsevier

[31/08/2022 – Current]

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