



Narcisa Smječanin

Državljanstvo: bosansko-hercegovačko **Datum rođenja:** 28/3/93

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Internetska stranica: <https://www.researchgate.net/profile/Narcisa-Smjecanin>

Internetska stranica: https://scholar.google.hr/citations?view_op=list_works&hl=hr&user=_KPF88AAAAJ

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

Internetska stranica: <https://www.webofscience.com/wos/author/record/HIZ-8708-2022>

Službena: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosna i Hercegovina)

Kućna: Porodice Ribar 99, 71000 Sarajevo (Bosna i Hercegovina)

RADNO ISKUSTVO

Viši asistent

Prirodno-matematički fakultet, Univerzitet u Sarajevu [31/5/21 – Trenutačno]

Mjesto: Sarajevo, Zmaja od Bosne, 33-35

Zemlja: Bosna i Hercegovina

Viši asistent za oblast radiohemija
Kabinet za radiohemiju

Asistent

Prirodno-matematički fakultet, Univerzitet u Sarajevu [15/7/18 – Trenutačno]

Mjesto: Sarajevo, Zmaja od Bosne 33-35

Zemlja: Bosna i Hercegovina

Asistent na oblastima radiohemija i hemijska tehnologija i biotehnologija
Kabinet za radiohemiju
Kabinet za hemijsku tehnologiju

Demonstrator

Poljoprivredno-prehrambreni fakultet, Univerzitet u Sarajevu, [30/11/16 – 31/1/17]

Mjesto: Sarajevo, Zmaja od Bosne 8

Zemlja: Bosna i Hercegovina

Demonstrativne vježbe (računske i teorijske) iz raznih oblasti iz hemije

Iskustvo u nastavi

[15/7/18 – Trenutačno]

U periodu od 2018. godine do danas, kao asistent i viši asistent sam bila zadužena za sljedeće predmete:

I ciklus studija:

Radiohemija; Radioaktivni otpad i njegovo zbrinjavanje; Biotehnologija; Zelena hemija; Biogoriva;

Biotehnološka razgradnja otpada; Industrijska hemija; Principi i procesi u industrijskoj hemiji; Opšta i anorganska hemija (za studente biologije); Anorganske sinteze; Prečišćavanje otpadnih voda i plinova; Mineralogija sa kristalografijom; Veterinarska biohemija I; Hemija životne sredine; Biohemija I, Fizikalna hemija I, Odabrana poglavlja fizikalne hemije, Elektrohemija

II ciklus studija:

Osiromašeni uran u životnoj sredini; Određivanje radionuklida u okolinskim uzorcima

OBRAZOVANJE I OSPOSOBLJAVANJE

Doktor hemijskih nauka/znanosti

Univerzitet u Sarajevu, Prirodno-matematički fakultet [8/11/19 – 2/9/22]

Magistar hemije

Prirodno-matematički fakultet, Univerzitet u Sarajevu [30/9/16 – 1/12/17]

Adresa: Zmaja od Bosne, 33-35, 71000 Sarajevo (Bosna i Hercegovina)

Bakaluerat/Bachelor inženjerske hemije

Prirodno-matematički fakultet, Univerzitet u Sarajevu [18/9/12 – 4/12/16]

Adresa: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosna i Hercegovina)

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), [18/5/19 – 1/6/19]

Mjesto: Katowice

Zemlja: Poljska

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

IAEA-Ruđer Bošković Institute [3/11/19 – 7/11/19]

Mjesto: Zagreb

Zemlja: Hrvatska

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

Univerzitet u Sarajevu [5/19 – 7/19]

Mjesto: Sarajevo

Zemlja: Bosna i Hercegovina

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

Nottingham Trent University, Dr. Farooq Sher [13/12/21 – 13/12/21]

Adresa: Zmaja od Bosne 33-35, 71000 Sarajevo (Bosna i Hercegovina)

Regional Workshop on Nuclear and Radiation Education

IAEA, Institut Jožef Stefan [29/5/23 – 2/6/23]

Mjesto: Ljubljana

Zemlja: Slovenija

Regional Workshop on the Development of Outlines of Train-the-Trainers Programme for University Educators in Nuclear Science and Technology (S&T)

IAEA, Ankara Univerzitet [4/9/23 – 8/9/23]

Mjesto: Ankara

Zemlja: Turska

Regional Workshop on Nuclear and Radiation Education and Training

IAEA, Lisabon Univerzitet [4/12/23 – 7/12/23]

Mjesto: Lisabon

Zemlja: Portugal

JEZIČNE VJEŠTINE

Materinski jezik/jezici: **Bosanski**

Drugi jezici:

Engleski

SLUŠANJE C1 ČITANJE C1 PISANJE C1

GOVORNA PRODUKCIJA C1

GOVORNA INTERAKCIJA C1

Njemački

SLUŠANJE C1 ČITANJE C1 PISANJE C1

GOVORNA PRODUKCIJA B2

GOVORNA INTERAKCIJA B2

Razine: A1 i A2: temeljni korisnik; B1 i B2: samostalni korisnik; C1 i C2: iskusni korisnik

DIGITALNE VJEŠTINE

Digitalne vještine

Microsoft Excel / EndNote / Origin Pro / Microsoft Word / Microsoft PowerPoint / Komunikacijski programi (Skype Zoom TeamViewer) / Chemdraw (Independent user)

Organizacijske vještine

Timski rad / Dobro organizirana / Pristupacna / Prilagodljivost / S lakocom prihvacam i rjesavam nove izazove kroz koje napredujem / Izvrsne komunikacijske vjetine

PUBLIKACIJE

[Sher, F., Smječanin, N., Hrnjić, H., Bakunić, E., & Sulejmanović, J. \(2024\). Prospects of renewable energy potentials and development in Bosnia and Herzegovina–A review. Renewable and Sustainable Energy Reviews, 189, 113929.](#)

[2024]

Poveznica: <https://doi.org/10.1016/j.rser.2023.113929>

[Sher, F., Boškailo, E., Smječanin, N., Nemţanu, M. R., Sher, E. K., & Lima, E. C. \(2024\). Magnetic multifunctional nanomaterials for enhanced transverse chemical and bioanalytical applications–A review. TrAC Trends in Analytical Chemistry, 117622. \(Web of Science\)](#)

[2024]

[Narcisa Smječanin, Mirza Nuhanović, Jasmina Sulejmanović, Ermin Mašić, Farooq Sher \(2023\) Highly effective sustainable membrane based cyanobacteria for uranium uptake from aqueous environment, Chemosphere,313, 137488. \(Web of Science\)](#)

[2023]

<https://doi.org/10.1016/j.chemosphere.2022.137488>

Unesite opis

Poveznica: <https://www.sciencedirect.com/science/article/pii/S0045653522039819>

[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. \(Web of Science\)](#)

[2023]

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

Unesite opis

[Sulejmanović, J., Skopak, E., Šehović, E., Karadža, A., Zahirović, A., Smječanin, N., ... & Sher, F. \(2023\). Surface engineered functional biomaterials for hazardous pollutants removal from aqueous environment. Chemosphere, 139205.](#)

[2023]

<https://doi.org/10.1016/j.chemosphere.2023.139205>

[Functionalised mesoporous biosorbents for efficient removal of hazardous pollutants from water environment \(2023\) Jasmina Sulejmanović, Minela Kojčin, Mirza Grebo, Adnan Zahirović, Anela Topčagić, Narcisa Smječanin, Abdullah A Al-Kahtani, Farooq Sher, Journal of Water Process Engineering, \(55\), 104219](#)

[2023]

Poveznica: <https://doi.org/10.1016/j.jwpe.2023.104219>

[Jurković, J., Kazlagic, A., Sulejmanović, J., Smječanin, N., Karalija, E., Prkić, A., ... & Albuquerque, A. \(2023\). Assessment of heavy metals bioaccumulation in Silver Birch \(Betula pendula Roth\) from an AMD active, abandoned gold mine waste. Environmental Geochemistry and Health, 45\(12\), 9855-9873.](#)

[2023]

[Tahirovića, I., Kurtagić, H., & Smječanin, N., et al. \(2023\). Correlations of flavonoids content and antioxidant activity in bee honey from Bosnia and Herzegovina. Emirates Journal of Food and Agriculture. 35\(4\): 262-270.](#)

[2023]

[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 Dului, 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. \(Web of Science\)](#)

[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. \(Web of Science\)](#)

[2022]

<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)

[2022]

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)

[2022]

Ovdje opišite...

Poveznica: <https://doi.org/10.1016/j.matchemphys.2022.125998>

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

Poveznica: <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]

Poveznica: <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]

Poveznica: <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]

Poveznica: <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)

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KNJIGE

Mirza Nuhanović, Nedžad Gradašćević, Narcisa Smječanin, Osnove gamaspektrometrije sa praktikumom, Izdavač - Prirodno-matematički fakultet u Sarajevu, 2022, ISBN 978-9926-453-42-8.
[22]

KONFERENCIJE I SEMINARI

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

[Sarajevo, Bosna i Hercegovina, 18/10/18 – 20/10/18]

Konferencija za zaštitu voda „Voda i život“

[Čapljina, Bosna i Hercegovina, 27/9/18]

7th International Conference on Radiation in Various Fields of Research

[Herceg-Novi, Crna Gora, 8/6/19 – 14/6/19]

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

[Herceg-Novi, Crna Gora, 13/6/22 – 17/6/22]

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

[Sarajevo, B&H, 30/6/22 – 2/7/22]

KNJIGE SAŽETAKA

Nuhanović Mirza, Smječanin Narcisa, Grebo Mirza, Draganović Sanel. Otpadne vode u farmaceutskoj industriji. Konferencija sa međunarodnim učešćem, “Voda i život”

[27/9/18 – 27/9/18]

Čapljina, Bosna i Hercegovina

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

[8/6/19 – 14/6/19]

Herceg Novi, Crna Gora

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.

[7/9/19 – 12/9/19]

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

[13/6/22 – 15/6/22]

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

[13/6/22 – 17/6/22]

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

Poveznica: <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.

[13/6/22 – 15/6/22]

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.

[30/6/22 – 2/7/22]

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.

[30/6/22 – 2/7/22]

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

POSTER PREZENTACIJE

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)

[13/6/22 – 17/6/22]

Herceg Novi, Crna Gora

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

[30/6/22 – 2/7/22]

Sarajevo, Bosna i Hercegovina

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,

[8/6/19 – 14/6/19]

Herceg Novi, Crna Gora

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.

[18/10/18 – 20/10/18]

Sarajevo, Bosna i Hercegovina

PROJEKTI

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

[20 – Trenutačno]

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

Član projekta za evaluaciju radioaktivnosti na području Bosne i Hercegovine

Prečišćavanje otpadnih voda opterećenih uranom upotrebom cijanobakterija sa područja Bosne i Hercegovine

[21 – 22]

Federalno Ministarstvo obrazovanje i nauke, Federacija Bosne i Hercegovine (FBiH)

Istraživač i član projekta

NAUČNO-POPULARNE MANIFESTACIJE

FMON (2023) 10. Dani prirodnih nauka/znanosti "Kvalitet voda u FBiH", član ispred PMF-a u Sarajevu, Sarajevo, 2023. godine

[23]

FMON (2022). 9. dan prirodnih nauka u FBiH, Znanstveno popularni i istraživački projekat, "Nuklearna energija", "Biomining", član ispred PMF-a u Sarajevu, Tuzla, 2022. godine

[22]

FMON (2021). 8. dan prirodnih nauka u FBiH, Znanstveno popularni i istraživački projekat, "Suvremeni tokovi u prirodnim znanostima", "Virusne zarazne bolesti", član ispred PMF-a u Sarajevu, Mostar, 2021. godine

[21]

FMON (2020). 7. dan prirodnih nauka u FBiH, "Online učenje u multikulturalnoj sredini tokom pandemije", COVID 19; "Radioaktivni otpad i njegovo zbrinjavanje", član ispred PMF-a u Sarajevu, Sarajevo, 2020. godine

[20]

FMON (2019). 6. dan prirodnih nauka u FBiH, „Zdravlje tla“, član ispred PMF-a u Sarajevu, Tuzla, 2019. godine

[18]

FMON (2018). 5. dan prirodnih nauka u FBiH, „Voda i život“, član ispred PMF-a u Sarajevu, Čapljina, 2018. godine

[17]

POČASTI I NAGRADE

Nagrada za naučni/umjetnički rad akademskog i naučnoistraživačkog osoblja Univerziteta u Sarajevu za 2022. godinu

Univerzitet u Sarajevu [22/12/23]

Nagrada za naučni/umjetnički rad akademskog i naučnoistraživačkog osoblja Univerziteta u Sarajevu za 2021. godinu

Univerzitet u Sarajevu [28/12/22]

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, Department of Chemistry [2/7/22]

Dobitnica posebnog priznanja SREBRENA ZNAČKA, UNIVERZITETA U SARAJEVU, kao jedan od najboljih studenata II ciklusa studija Prirodno-matematičkog fakulteta, Univerziteta u Sarajevu

Univerzitet u Sarajevu [1/12/17]

Dobitnica posebnog priznanja SREBRENA ZNAČKA, UNIVERZITETA U SARAJEVU, kao jedan od najboljih studenata I ciklusa studija Prirodno-matematičkog fakulteta, Univerziteta u Sarajevu

Univerzitet u Sarajevu [4/12/16]

MREŽE I ČLANSTVA

Član Društva kemičara i tehnologa Kantona Sarajevo

[Sarajevo, 17]

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

[Engleska, Nottingham , 20 – Trenutačno]

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

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

Editor Assistant at International Society of Engineering Science and Technology, UK Nottingham

[Engleska, Nottingham, 22 – Trenutačno]

CERTIFIKATI

Certificate of Excellence for Fundamentals of Publishing by Research Academy, Elsevier

[31/8/22 – 31/8/22]

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

[31/8/22 – 31/8/22]

Zahvalnica za učešće u Organizacionom odboru 12.Otvorenih dana hemije

[20/3/23 – 24/3/23]