

Curriculum Vitae

1. LIČNI PODACI

Ime i prezime:	OMER MAHMUTOVIĆ
Datum i mjesto rođenja:	11.07.1976. PODGORICA
Adresa stanovanja:	VOGOŠĆA
Telefon:	062-126-818
E-mail:	omer3m@yahoo.com omer@pf.unsa.ba
Web - stranica:	http://www.pf.unsa.ba/index.php/nastavno-osoblje/1188-prof-dr-omer-mahmutovic
Polja profesionalnog interesovanja:	hemija, analitička hemija, hemija okoliša, zaštita okoliša, bio-analitička hemija, fitohemija, historija nauke

2. OBRAZOVANJE

Naziv institucije	Trajanje	Kvalifikacija
Univerzitet u Sarajevu, PMF, odsjek-hemija.	1997-2003	inženjer hemije
Univerzitet u Sarajevu, PMF, odsjek-hemija.	2005-2009	magistar hemije
Univerzitet u Sarajevu, PMF, odsjek-hemija.	2012	doktor hemijskih nauka

3. SADAŠNJA POZICIJA

Naziv institucije:	PEDAGOŠKI FAKULTET
Pozicija:	Profesor
Adresa:	Skenderija 72, Sarajevo
Telefon:	+38733214406
E-mail:	omer3m@yahoo.com omer@pf.unsa.ba
Website:	http://www.pf.unsa.ba/index.php/nastavno-osoblje/1188-prof-dr-omer-mahmutovic

4. DOSADAŠNJA ZAPOSLENJA

Naziv institucije	Trajanje	Pozicija
Federalni zavod za poljoprivredu	2003 - 2005	Stručni saradnik u kontroli kvaliteta namirnica i okoliša
Ceteor Sarajevo	2005 - 2006	Stručni saradnik i rukovodilac na projektima iz oblasti zaštite okoliša

5. KLJUČNE KVALIFIKACIJE:

Nastava iz hemije i prirodnih nauka; Analitička hemija; Hemija okoliša; Procjene i studije uticaja na životnu sredinu;

6. SPECIFIČNO PROFESIONALNO ISKUSTVO:

7. DRUGE RELEVANTNE INFORMACIJE

PROJEKTI

- Modernizacija nastavnog procesa na Pedagoškom fakultetu, Pedagoški fakultet Sarajevo - Ministarstvo obrazovanja FBiH, 2019.
- Studij pilot postrojenja za uklanjanje teških metala iz industrijskih otpadnih voda upotrebom sorbenata na bazi agro-otpada, Prirodno-matematički fakultet - Ministarstvo nauke i obrazovanja Kantona Sarajevo, 2020.
- VI studentski kongres Hrana-Ishrana-Zdravlje, Univerzitet u Sarajevu, 2021.
- Prozor u svijet obrazovanja, nauke i mladih, Treća međunarodna naučno-stručna konferencija, Pedagoški fakultet Sarajevo 2023.
- Developing human rights education at the heart of higher education, TEMPUS, Roehampton University, UK, 2012.
- UrbanEko, brošura za učenike i nastavnike osnovne škole; koautor, Fondoko Sarajevo, 2010.
- Studija zagađenosti okoliša - EUFOR Butmir Camp, Sarajevo; terenski menadžer projekta, Ceteor Sarajevo, 2006.
- Procjena uticaja na okolinu rekonstruisane topionice olova Tesla - Brčko; saradnik na projektu, Ceteor Sarajevo, 2006.
- Studija uticaja na okoliš II faze autoceste Zenica – Sarajevo dionica Kakanj – Visoko; saradnik na projektu, Ceteor Sarajevo, 2005.
- Organizacija uporednog mjerenja i ocjena kompetentnosti, za laboratorije koje vrše mjerenje emisije iz ložišta na teritoriji Kantona Sarajevo; menadžer projekta, Ceteor Sarajevo, 2005.

8. REFERENCE - BIBLIOGRAFIJA

KNJIGE I POGLAVLJA U KNJIGAMA:

1. Prazina N. Mahmutović O. (2023) Zdravstvena ekologija, udžbenik, Pedagoški fakultet, Sarajevo.
2. Mahmutović O., Prazina N. (2022) Praktikum iz hemije za studijski smjer tehničke kulture, Pedagoški fakultet, Sarajevo.
3. Mahmutović O. (2017) Hemija koja nas okružuje, udžbenik, Pedagoški fakultet, Sarajevo.

RADOVI INDEKSIRANI U MEĐUNARODNIM REFERENTNIM BAZAMA:

1. Sulejmanović J., Skopak E., Šehović E., Karadža A., Zahirović A., Smječanin N., Mahmutović O., Ansar S., Sher F. (2023) Surface engineered functional biomaterials for hazardous pollutants removal from aqueous environment. *Chemosphere*, Volume 336, 139205.
2. Aljilji, A., Mahmutovic, O., Prazina, N., Papić, S. & Velić, S. (2022). Sensory Characteristics and Content of Hydroxymethyl-Furfural and Polyphenols in Dried Apples and Health-Related Considerations. *International Journal of Life Science and Pharma Research*, 12(23):30-35. (Web of Science, CAS)
3. Prazina N., Bacic A., Hadzic-Hasanovic V., Mahmutovic O. (2021) The antibacterial activity of essential oil of oregano (*Origanum vulgare* L.) from Bosnia and Herzegovina against selected ATCC strains. *Plant Cell Biotechnology and Molecular Biology* 22(15):140-145. (Scopus, Index Copernicus)
4. Prazina N., Bacic A., Hadzic-Hasanovic V., Mahmutovic O. Dacić M., Ajanović A. (2021) Chemical composition and antimicrobial activity of the essential oil of *Helichrysum italicum* (Roth) g. Don from Bosnia and Herzegovina. *Plant Cell Biotechnology and Molecular Biology* 22(49):67-73. (Scopus, Index Copernicus)
5. Aljilji A., Mahmutović O., Bašić H, Prazina N. (2020) Mechanical properties of dried fruit packaging materials. *Periodicals of Engineering and Natural Sciences*. 8(4):2547-2552. (Scopus)
6. Memić M, Vrtačnik M, Boh B, Pohleven F, Mahmutovic O. (2020) Biodegradation of PAHs by Ligninolytic Fungi *Hypoxylon Fragiforme* and *Coniophora Puteana*. *Polycyclic Aromatic Compounds*. 40(2):206-213. (Web of Science, EBSCO, Scopus)
7. Aljilji A., Mahmutović O. (2020) Testing the Stability of Material for Packaging of Dried Fruit. *Int. J. Sci. Res. Methodol.* 14:54-62. (CAS)
8. Prazina N, Mahmutović O., Papić S, Velić S. (2019) The significance of garbage dump „Smiljevići“ in ecological health. *Quality*. 2019:339-344. (EBSCO, Index Copernicus)
9. Mahmutović O., Sivac A. (2018) Vodni resursi u održivom razvoju. *Uprava*. 17,1:105-116. (EBSCO, CEEOL).
10. Aljilji A, Sivac A, Velić S, Mahmutović O. (2018) Hardness of the solder alloy Cu-In-Sb in dependence of the molar ratio of the components. *Bulletin of Chemists and technologist of Bosnia and Herzegovina*. 51:41-45. (Web of Science, EBSCO, CAS)
11. Hatarić A, Papić S, Mahmutović O., Klisura F (2018) Razvoj aplikacije u funkciji održavanja čistoće grada. *Maintenance Proceedings*, 2018:189-192. (EBSCO, Index Copernicus)
12. Tahirović I, Mahovac E, Dizdar M, Toromanović J, Mahmutović O., Lepara Z, Ajanović A. (2018) Hemoglobin HbA1c and glucose blood levels in diabetic patients. *Bulletin of Chemists and technologist of Bosnia and Herzegovina*. 50:13-18. (Web of Science, EBSCO, CAS)
13. Papić S, Mahmutović O., Velić S, Klisura F. (2018) Informatičke tehnologije u funkciji

kvaliteta preventivnog održavanja proizvodnih poslovnih sistema. Maintenance Proceedings. 2018:183-188. (EBSCO, Index Copernicus)

14. Mujić E, Pita Bahto A, Mahmutović O, Prazina N, Papić S. (2017) Spatial and seasonal variation of PAHs concentration in the Spreča river. Bulletin of Chemists and technologist of Bosnia and Herzegovina, Sarajevo, Bosna and Herzegovina. 49:9-14.
15. Mujić E, Pita Bahto A, Mahmutović O, Prazina N, Papić S. (2017) Spatial and seasonal variation of PAHs concentration in the Spreča river. Bulletin of Chemists and technologist of Bosnia and Herzegovina, Sarajevo, Bosna and Herzegovina. 49:9-14.
16. Prazina N, Mahmutovic O (2017) Analysis of biochemical composition of honey samples from Bosnia and Herzegovina. International Journal of Research in Applied, Natural and Social Sciences. 5(3):73-78.
17. Mujić E, Mahmutović O (2016) Porijeklo i ispitivanje policikličkih aromatskih ugljikovodika (PAH) u površinskim vodama. Voda i mi, 92:23-27
18. Petinac S, Mulaosmanović E, Mahmutović O, Omerović S, Džudžević Čančar H (2015) Validation of method for the determination of mercury in the auxiliary substances azorubine 21% and azorubine 85% using cold-vapor atomic absorption spectrometry. Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 44:39-43.
19. Mahmutovic O, Tahirovic I, Copra A, Memic M, Ibragic S, Karic L (2014) Correlation of Total Secondary Sulfur Compounds, Total Phenols and Antioxidant Capacity in the Ramsons and Garlic. British Journal of Pharmaceutical Research, 4(23):2662-2669.
20. Mahmutovic O, Bahto A, Pucarevic M, Ibragic S, Sofic E (2014) Effects of Different Manures on Quantity of Sulfur Compounds in the Garlic. International Journal of Plant and Soil Sciences, 3(12):1531-1537.
21. Memić, M., Selović, A., Mahmutović, O. (2011) Toxicity of chlorinated phenols against ligninolytic fungi *Hypoxylon fragiforme* and *Coniophora puteana*. *Works of the Faculty of forestry*; 2:31-44.
22. Muradic, S; Karacic, D; Mahmutovic, O; Mustovic, F; Sofic, E; Kroyer, G (2010) Total sulphur and organosulphur compounds in garlic and ramsons plant organs at the end of vegetative period. *Planta Med*; 76: 292.
23. Mahmutovic, O., Mujic, E., Toromanovic, J., Mustovic, F., Muradic, S., Huseinovic, S., Sofic, E. (2009) Comparative analysis of total phenols and sulfur content in some plant organs of ramsons and two garlic species. *Planta Medica*; 75; 955

NAUČNI RADOVI U ZBORNICIMA (KONGRESI, SIMPOZIJUM):

1. Dizdar M, Žugor I., Mahmutović O., Toromanović J., Tahirović I. (2022) Determination of Melatonin in berry fruits by fluorescence spectroscopy. 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo.
2. Prazina N, Đug S, Mahmutović O, Hajradinović F (2022) Analysis of leachate waters of

- landfill Smiljevići, Sarajevo, Bosnia and Herzegovina, 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo.
3. Tahirović I, Bojadžić S, Dizdar M, Džudžević Čančar H, Toromanović J, Uzunović A, Ajanović, Mahmutović O (2016) Studies on the antioxidant activity of bee honey samples from Bosnia and Herzegovina by Phosphomolybdenum assay. International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, Bosna and Herzegovina.
 4. Tahirović, I., Mahovac, E., Dizdar, M., Mahmutović, O., Lepara, Z., Ajanović, A. (2016) Hemoglobin HbA1c and Glucose Blood Levels of Diabetic Patients. 2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Special Issue, Book of Abstracts, 107.
 5. Tahirović, I., Bojadžić, S., Dizdar, M., Džudžević-Čančar, H., Toromanović, J., Uzunović, A., Ajanović, A., Mahmutović, O. (2016) DPPH Free Radical Scavenging Ability of Some Bee Honey Samples from Bosnia and Herzegovina. 2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina. Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Special Issue, Book of Abstracts, 110.
 6. Muradic S, Mahmutovic O, Sofic E, Huseinovic S, Kalcher K (2013) The importance of analysis of total sulfur content in the garlic *Allium sativum* L. by High performance ion chromatography. MESMAP, Famagusta, North Cyprus.
 7. Mahmutovic, O., Muradic, S., Bahto, A., Huseinovic, S., Duric, K., Sofic, E. (2012) The quality and medicinal potential of garlic depending on the application of different manures during cultivation. 13th International Congress of the Society for Ethnopharmacology, Graz, Austria.
 8. Duric, K., Sofic, E., Kovac-Besovic, E., Niksic, H., Muratovic, S., Mahmutovic, O. (2012) Isolation and identification of coumarin derivatives from estragon leaves, *Artemisia dracuncululus* L., Asteraceae. 13th International Congress of the Society for Ethnopharmacology, Graz, Austria.
 9. Mahmutovic, O., Sofic, E., Mustovic, F., Karakaya, C., Kroyer, G. (2010) Total sulfur content of ramsons and garlic plant organs in the late spring period, *Proceedings book of CMAPSEC*; 373-383.
 10. Muhić, T., Mahmutović, O. (2003) Validation and uncertainty of spectrophotometric method of nitrite determination in meat products, The 5th International Symposium on Speciation of Elements in Biological, Environmental and Toxicological Sciences, Almunecar-Spain, September.

DRUGI RADOVI:

Studije:

- Studija zagađenosti okoliša - EUFOR Butmir Camp, Sarajevo; terenski menadžer projekta, Ceteor Sarajevo, 2006.
- Studija uticaja na okolinu rekonstruisane topionice olova Tesla - Brčko; saradnik na projektu, Ceteor Sarajevo, 2006.
- Studija uticaja na okoliš II faze autoceste Zenica – Sarajevo dionica Kakanj – Visoko; saradnik na projektu, Ceteor Sarajevo

MENTORSTVA:

ČLANSTVO U KOMISIJAMA:

DODATNE REFERENCE:

UČEŠĆE NA KONFERENCIJAMA I SKUPOVIMA:

1.

RECENZIJE:

- Dr. M. Zejnilagić-Hajrić, Dr. I. Nuić, MSc M. Mrdić, Dr. S. Žero, Dr. J. Ostojić. Školski ogledi iz hemije s praktikumom, PMF Sarajevo, 2023.

OSTALO:

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10. STRANI JEZIK [od 1 do 5 (1 = slabo, 5 = odlično)]

Strani jezik	Čitanje	Govor	Pisanje
Engleski	4	4	4

11. DODATNE VJEŠTINE/SPOSOBNOSTI (npr. kompjuterski programi, vozačka dozvola i sl.)

Naziv	Opis
<i>Microsoft</i>	Office, Teams, MS 365
<i>Vozačka dozvola</i>	B