

LIČNE INFORMACIJE


Dr Ismet Tahirović

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Datum rođenja: 22. 03. 1968.

Mjesto rođenja: Cazin, Bosna i Hercegovina

Državljanstvo: bosanskohercegovačko

Bračni status: oženjen

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[AAF-5650-2019](https://scholar.google.com/citations?hl=en&user=BqJafToAAAAJ)

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



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ZAPOSLENJE

Prirodno-matematički fakultet Univerziteta u Sarajevu

Odsjek za hemiju, Katedra za organsku hemiju i biohemiju

📍 Zmaja od Bosne 35, 71 000 Sarajevo, Bosna i Hercegovina
Kabinet: 242/II

Redovni profesor za oblasti *Organska hemija i Biohemija*

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RADNO ISKUSTVO

od 29.05.2018. Redovni profesor za oblasti *Organska hemija i Biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina

2013 – 2018. Vanredni profesor za oblasti *Organska hemija i Biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina

2008 – 2013. Docent za oblasti *Organska hemija i Biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina

2001 – 2008. Viši asistent za oblast *Organska hemija i biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina

1997 – 2001. Asistent za oblast *Organska hemija i biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina

Iskustvo u nastavi Redovni profesor, vanredni profesor i docent za oblasti *Organska hemija i Biohemija* u Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina na predmetima

I ciklusa studija:

- Bioanalitička hemija, Biohemija I, Biohemija II, Hemija makromolekula, Hemija reaktivnih nitrogenovih jedinjenja, Biohemija prehrane, Polimerni

otpad i njegovo zbrinjavanje, Fizikalna biohemija, Organska hemija I, Organska hemija II, Mehanizmi organskih reakcija.

II ciklusa studija:

- Biohemija sa kliničkim korelacijama, Neurohemija, Imunohemija, Biohemija prehrane-odabrana poglavlja, Moderne instrumentalne metode u organskoj hemiji, Separacione metode u organskoj hemiji.

III ciklusa studija:

- Biomarkeri lipidne peroksidacije, Hormoni i neurotransmiteri u humanom organizmu, Odabrane bioanalitičke metode.

Saradnik na izvođenju laboratorijskih vježbi za oblast *Organska hemija i biohemija*.

Iskustvo u istraživanjima

- Određivanje parametara oksidativnog stresa u eksperimentalnim modelima diabetes mellitusa tipa 2 i u postmortem moždanim tkivima osoba sa neurodegeneracijama, kao što su Alzheimerova i Parkinsonova bolest;
- Određivanje biomarkera lipidne peroksidacije u humanim i uzorcima životinjskog porijekla primjenom derivacione UV/Vis spektrofotometrije.

OBRAZOVANJE

2004 - 2007 **Doktor hemijskih nauka**, Prirodno-matematički fakultet Univerziteta u Sarajevu
Doktorska disertacija: „Primjena fluorescentne metode sa fluoresceinom i β -pikoeitritinom u mjerenju totalnog antioksidativnog kapaciteta moždanog tkiva čovjeka“, mentor: Prof. dr. emeritus Emin Sofić.

1997 – 2001 **Magistar hemijskih nauka**, Prirodno-matematički fakultet Univerziteta u Sarajevu
Magistarski rad: „Kolorimetrijska metoda praćenja inhibicije butirilholinesteraze uzrokovane organofosfatnim pesticidom“, mentor: akademik Prof. dr. Zdravko Pujić.

1988 – 1997 **Diplomirani inženjer hemije**, „Kompleksi Mo(V) sa N-alkil supstituiranim salicilideniminima“, mentor: Prof. dr. Emira Kahrović

1983 – 1987 „Hemijski tehničar-analitičar“, Srednjoškolski centar „Ibrahim Perviz“ Cazin.

1975 – 1983 Osnovna škola „Gornja Koprivna“ Cazin.

LIČNE VJEŠTINE

Maternji jezik Bosanski jezik

Ostali jezici	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski jezik	B2.2	B2.2	B2.2	B2.2	B2.2
Certifikat o poznavanju engleskog jezika: Centar za strane jezike, Sarajevo					

Njemački jezik	A2	A2	A2	A2	A2
Stepeni: A1/2: Osnovni nivo; B1/2: Prosječni nivo; C1/2 Napredni nivo. Zajednički europski referentni okvir za jezike					
Rad na računar	▪ Microsoft Office™ ▪ hemijski softveri				
Vozačka dozvola	▪ B, C i E kategorija				

Usavršavanja	
april - juni 2008	Pedagoško obrazovanje nastavnika i saradnika, Univerzitet u Sarajevu
Učešće u projektima	<u>Voditelj dva naučno-istraživačka projekta:</u>
Naziv projekta	<i>„Korelacije antioksidativne aktivnosti, sadržaja ukupnih fenola i ukupnih proteina u uzorcima bosansko-hercegovačke matične mlijечи“</i>
Tip projekta	<i>Domaći istraživački</i>
Finansijer	<i>Federalno ministarstvo obrazovanja i nauke BiH</i>
Trajanje	<i>2019, produžetak do kraja 2020.</i>
Naziv projekta	<i>“Određivanje antioksidativnog kapaciteta protiv peroksidnih i hidroksilnih slobodnih radikala i sadržaja prirodnih fenola u uzorcima različitih vrsta pčelinjeg meda sa prostora Bosne i Hercegovine“</i>
Tip projekta	<i>Domaći istraživački</i>
Finansijer	<i>Federalno ministarstvo obrazovanja i nauke BiH</i>
Trajanje	<i>2014.</i>
	<u>Učestvovao u realizaciji sedam naučno-istraživačkih projekata:</u>
Naziv projekta	<i>„Ekstrakcija i određivanje antitumorske, antioksidativne i antimikrobne aktivnosti cvijeta, lista i ploda trnjine (Prunus spinosa L.)“</i> <i>Finansijer: Federalno ministarstvo obrazovanja i nauke BiH - FMON 2017-2018/2019</i>
Tip projekta	<i>Domaći istraživački</i>
Nosilac projekta	<i>Univerzitet u Sarajevu-Farmaceutski fakultet</i>
Voditelj projekta	<i>Prof. dr. Hurija Džudžević-Čančar</i>
Učešće	<i>Saradnik - istraživač</i>
Finansijer	<i>Federalno ministarstvo obrazovanja i nauke BiH</i>
Trajanje	<i>2017-2019</i>
Naziv projekta	<i>“Antinociceptive activity of botulinum toxin type a: new mechanism of action, new indications?”</i>
Tip projekta	<i>Međunarodni istraživački</i>
Nosilac projekta	<i>Univerzitet u Würzburgu, Njemačka</i>
Voditelj projekta	<i>prof. dr. Peter Riederer</i>
Učešće	<i>Saradnik - istraživač</i>
Finansijer	<i>DAAD</i>
Trajanje	<i>2011-2012.</i>
Naziv projekta	<i>„Biokemijske promjene lipidno-proteinskog sastava moždanog tkiva u Alzheimerovoj bolesti“</i>
Tip projekta	<i>Domaći istraživački</i>
Nosilac projekta	<i>Univerzitet u Sarajevu-Prirodno-matematički fakultet</i>
Voditelj projekta	<i>prof. dr. Emin Sofić</i>
Učešće	<i>Saradnik – istraživač</i>
Finansijer	<i>Ministarstvo obrazovanja i nauke Kantona Sarajevo</i>
Trajanje	<i>2007-2008.</i>

Naziv projekta	<i>“Experimental models of Alzheimer’s disease and cerebral diabetes related disorders”</i>
Tip projekta	<i>Međunarodni istraživački</i>
Nosilac projekta	<i>Univerzitet u Würzburgu, Njemačka</i>
Voditelj projekta	<i>prof. dr. Peter Riederer</i>
Učešće	<i>Saradnik - istraživač</i>
Finansijer	<i>DAAD</i>
Trajanje	<i>2005 – 2006.</i>
Naziv projekta	<i>“Antioksidativni kapacitet moždanog tkiva u životinjskom modelu diabetesa i Alzheimerove bolesti i mjerenje antioksidativnog kapaciteta homogenata životnih namirnica”</i>
Tip projekta	<i>Domaći istraživački</i>
Nosilac projekta	<i>Univerzitet u Sarajevu-Prirodno-matematički fakultet</i>
Voditelj projekta	<i>prof. dr. Emin Sofić</i>
Učešće	<i>Saradnik - istraživač</i>
Finansijer	<i>Ministarstvo obrazovanja i nauke Kantona Sarajevo</i>
Trajanje	<i>2005 – 2006.</i>
Naziv projekta	<i>„Total antioxidant capacity of different regions of brain in Parkinson’s and Alzheimer’s disease“</i>
Tip projekta	<i>Međunarodni istraživački</i>
Nosilac projekta	<i>Univerzitet u Würzburgu, Njemačka</i>
Voditelj projekta	<i>prof. dr. Peter Riederer</i>
Učešće	<i>Saradnik - istraživač</i>
Finansijer	<i>DAAD</i>
Trajanje	<i>2003 – 2004.</i>
Naziv projekta	<i>“Totalni antioksidativni kapacitet različitih regija mozga oboljelih od Parkinsonove i Alzheimerove bolesti“</i>
Tip projekta	<i>Domaći istraživački</i>
Nosilac projekta	<i>Univerzitet u Sarajevu-Prirodno-matematički fakultet</i>
Voditelj projekta	<i>prof. dr. Emin Sofić</i>
Učešće	<i>Saradnik - istraživač</i>
Finansijer	<i>Federalno Ministarstvo obrazovanja i nauke</i>
Trajanje	<i>2003 – 2004.</i>
Učešće na regionalnim konferencijama	
novembar 2019	<i>VI International scientific-professional symposium “Environmental resources, sustainable development, and food production” – OPORPH, 14-15 November 2019, Tuzla, Bosnia and Herzegovina.</i>
oktobar 2018	<i>3rd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, October 19th-21st.</i>
mart 2017	<i>2nd Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, March 16-18.</i>
oktobar 2016	<i>2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, 21-23. oktobar</i>

septembar 2015	26 th International Scientific-Expert Conference of Agriculture and Food Industry. Bosnia and Herzegovina, Sarajevo, September 27-30.
mart 2015	1 st Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, March 13-15.
oktobar 2014	1 st Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, BiH, october 10-12.
novembar 2006	Second Bosnia and Herzegovina Congress of Neurology, November 9-12, Mostar, Bosnia and Herzegovina.
maj 2006	First Bosnia and Herzegovina Congress on Pharmacy, May 4-6, Sarajevo, Bosnia and Herzegovina.
april 2005	XIX Croatian Meeting of Chemists and Chemical Engineers, April 24–27, Opatija, Croatia.
Učešće na međunarodnim konferencijama	
april 2013	1 st Mediterranean Symposium on Medicinal and Aromatic Plants, Gazimagosa, Turkish Republic of Northern Cyprus, April 17-20.
septembar 2007	15 th Meeting of Balkan Clinical Laboratory Federation, 04-07 September, Antalya, Turkey.
juni 2007	39 th Danube Congress, June 2-5, Wuerzburg, Germany
juni 2006	31. FEBS Congress: Molecules in Health and Diseases, June 24-29, Istanbul, Turkey.
juni 2005	16 th Congress on Parkinson's Disease and Related Disorders, June 5-9, Berlin, Germany.
Članstva	
	○ Udruženje biohemičara i molekularnih biologa Bosne i Hercegovine ○ Društvo kemičara i tehnologa Kantona Sarajevo
Autorstva (udžbenici, knjige, praktikumi, skripte)	
a) Udžbenici	
	1. I. Tahirović, Jasmin Toromanović, Atifa Ajanović, Ajdin Mujezin (2024) „Biohemija vitamina i minerala“, Univerzitetski udžbenik, Bihać 2024. 2. I. Tahirović, A. Topčagić, N. Buza (2018) „ZBIRKA ZADATAKA IZ BIOHEMIJE I“; Izdavač: Prirodno-matematički fakultet Univerziteta u Sarajevu; 3. I. Tahirović, L. Klepo, J. Toromanović (2018) „PRAKTIKUM IZ HEMIJE MAKROMOLEKULA“; Izdavač: Prirodno-matematički fakultet Univerziteta u Sarajevu. 4. I. Tahirović, A. Topčagić (2012) „PRAKTIKUM IZ BIOHEMIJE I“ Izdavač: Prirodno-matematički fakultet u Sarajevu; 5. E. Sofic and I. Tahirovic (2007) "Antioxidant Capacity of the Neurohormone Melatonin" Chapter XIX, In: Melatonin: From Molecules to Therapy. Eds: S.R. Pandi-Perumal and Daniel P. Cardinali, Nova Biomedical Books, New York; 6. A. Jaganjac, I. Tahirović (2005) »OSNOVE HEMIJSKE TEHNOLOGIJE« za studente hemije, Izdavač: Univerzitet u Sarajevu, Prirodno-matematički fakultet.
b) Autorizovana nastavna sredstva	
	Tahirović I , Ljubijankić N, Vidović I (2009) SKRIPTA SA RIJEŠENIM ZADACIMA IZ HEMIJE za pripremu polaganja kvalifikacionih ispita na fakultetima Univerziteta u Sarajevu, Izdavač: Prirodno-matematički fakultet u Sarajevu.

Recenzije	○ Glasnik hemičara i tehnologa Bosne i Hercegovine“: Recenzirao više sažetaka za 4. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation (4nd ICCCEB&H) Sarajevo, 2022, June 30-July 2; ○ „Glasnik hemičara i tehnologa Bosne i Hercegovine“: Recenzirao više sažetaka za 3. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation (3nd ICCCEB&H) Sarajevo, 2018, October 19-21; ○ „Springer Nature“, 2nd Conference on Medical and Biological Engineering in Bosnia and Herzegovina, Sarajevo, 2017, March 16-18: “Beauty of fine dots-detection and treatment of Alzheimer's disease using quantum dots”. Abstracts book, p. 82. „Towards green nanotechnology: maximizing benefits and minimizing harm.” Abstracts book, p. 82-83. ○ „Glasnik hemičara i tehnologa Bosne i Hercegovine“: 22 recenzirana sažetka za 2. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation (2nd ICCCEB&H) Sarajevo, 2016, October 21-23; ○ „Radovi Poljoprivredno-prehrambenog fakulteta Univerziteta u Sarajevu” br. 66/2 (za 2016.god.): Detekcija i kvantifikacija pigmenata u genetičkim resursima lisnatog povrća Slovenije. ○ «Radovi», Izdavač: Šumarski fakultet Univerziteta u Sarajevu; „Phenolic content and antioxidant activity of <i>Crataegus monogyna</i> L. Fruit extracts“. ○ „Glasnik hemičara i tehnologa Bosne i Hercegovine“: 23 recenzirana sažetka za 1. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation (1st CCCEB&H) Sarajevo, 2014, October 10-12; ○ «Radovi», Izdavač: Šumarski fakultet Univerziteta u Sarajevu (UDK 577.164.2:582.711.714; 535.234:577.164.2) ”Određivanje vitamina C u cvjetovima nekih bosanskohercegovačkih vrsta roda <i>Crataegus</i> L.” ○ «Radovi» Izdavač: Šumarski fakultet Univerziteta u Sarajevu; „Determination of vitamin C in some Bosnian <i>Crataegus</i> L. species by spectrophotometric method”. <u>Recenzije univerzitetskih udžbenika</u> 1. „Tehnologija mesa, ribe i jaja – metode određivanja”, Dr Amir Ganić, Univerzitet u Sarajevu-Poljoprivredno-prehrambeni fakultet, 2022. 2. „Osnovi biohemije“, Dr. Zilha Ašimović, Univerzitet u Sarajevu-Poljoprivredno-prehrambeni fakultet, 2017. 3. „Uvod u metaboličku biohemiju“ (odabrana poglavlja) Dr. Zilha Ašimović, Univerzitet u Sarajevu-Poljoprivredno-prehrambeni fakultet, 2017. 4. “Praktikum iz biohemije za studente veterinarske medicine”, Dr Atifa Ajanović i Dr. Dunja Rukavina, Univerzitet u Sarajevu-Veterinarski fakultet, 2015. <u>Organizacija naučnih skupova</u> 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, Sarajevo, B&H, June 30th-July 2nd (2022). (Organizacioni i naučni odbor)
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Mentorstva

Doktorska disertacija

Panjeta Mirsad (10.10.2017): „Imunohemijska kvantifikacija eritropoetina u serumu bubrežnih bolesnika i njegova matematičko-statistička korelacija sa hematološkim parametrima“

Magistarski rad

Hajdarević Kenan (05/05/2016) „Identifikacija i kvantifikacija α -tokoferola u nekim jestivim i ljekovitim uljima HPLC-ED metodom“.

Odbranijeni završni-magistarski radovi (II ciklus studija, ukupno 28)

1. Amina Čolaković (2023): „Primjena UV spektrofotometrijske metode u određivanju sadržaja vitamina C u uzorcima prirodnog porijekla“
2. Indira Žugor (2022): „Detekcija i kvantifikacija melatonina u odabranim vrstama bobičastih plodova voća spektrometrijskim i hromatografskim metodama“
3. Hozić Muamera (2021): „Određivanje ukupnih fenola i antioksidativne aktivnosti u ekstraktima čuvaruče (*Sempervivum tectorum* L.)“
4. Hozić Nejla (2019): „Određivanje ukupnih fenola i antioksidativne aktivnosti u ekstraktima plodova smreke (*Juniperus communis* L.)“
5. Turulja Merima (2019): „Poređenje Biuret i UV spektrofotometrijske metode u kvantifikaciji ukupnih proteina u uzorcima gotove hrane“
6. Etminan Aida (2018): „Primjena derivacione UV/Vis spektrofotometrije u određivanju sadržaja aktivnih supstanci nekih lijekova“
7. Bajramović Zehrina (2017): „Identifikacija i kvantifikacija flavanona u uzorcima pčelinjeg meda sa prostora Bosne i Hercegovine“
8. Smječanin Narcisa (2017): „Identifikacija i kvantifikacija flavonola u uzorcima pčelinjeg meda sa prostora Bosne i Hercegovine“
9. Aldžić Aldina (2017): „Identifikacija i kvantifikacija flavona u uzorcima pčelinjeg meda sa prostora Bosne i Hercegovine“
10. Gaštan Adisa (2016): „Određivanje antioksidativnog kapaciteta protiv hidroksilnih slobodnih radikala u uzorcima pčelinjeg meda“
11. Helbet Dženita (2016): „Određivanje antioksidativnog kapaciteta protiv peroksidnih slobodnih radikala u uzorcima pčelinjeg meda“
12. Hadžić Nihada (2016): „Određivanje klirensa kreatinina bolesnika sa bubrežnom insuficijencijom“
13. Kurti Šeherzada (2015): „Određivanje aktivnosti enzima kod bolesnika sa mogućim infarktomiokarda“
14. Lepara Lejla (2015): „Određivanje antioksidativne aktivnosti uzoraka pčelinjeg meda sa prostora Bosne i Hercegovine fosfomolibdatnom metodom“
15. Bojadžić Sabina (2015): „Određivanje antioksidativne aktivnosti uzoraka pčelinjeg meda sa prostora Bosne i Hercegovine DPPH metodom“
16. Bačinović Vildana (2015): „Separacija proteina u uzorcima pčelinjeg meda gel filtracijom“
17. Fejzić Amina (2015): „Određivanje D-dimera kod bolesnika sa različitim netrombotičkim poremećajima“
18. Arifović Lejla (2015): „Određivanje ukupnih proteina u uzorcima pčelinjeg meda UV metodom“
19. Mahovac Enesa (2014): „Nivoi hemoglobina HbA1c i glukoze u krvi u dijagnozi i liječenju dijabetičnih bolesnika“
20. Buza Nermin (2014): „Kvantifikacija prolina u uzorcima pčelinjeg meda HPLC-ED metodom“
21. Subašić Medina (2014): „Identifikacija prolina u uzorcima pčelinjeg meda HPLC-ED metodom“
22. Šehić Eldina (2014) „Određivanje ukupnih proteina u krvnoj plazmi ispitanika u Domu zdravlja „Zavidovići“
23. Tabak Amra (2014) „Aktivnost katalaze i superoksid-dismutaze u krvnom serumu ispitanika različitih indeksa tjelesne težine“
24. Kožljak Mirnesa (2013) „Sadržaj ukupnih fenola i antioksidativni kapacitet protiv peroksidnih slobodnih radikala u infuzama nekih čajeva“
25. Keskin-Šašić Irmira (2013) „Sadržaj ukupnih fenola i antioksidativni kapacitet protiv peroksidnih slobodnih radikala u nekim prirodnim voćnim sokovima“
26. Velispahić Elmir (2013) „Aktivnost katalaze i superoksid-dismutaze u krvnom serumu pušača i nepušača“
27. Boloban Azra (2012) „Varijacije sadržaja serumskog željeza na području grada Konjica i okoline“
28. Efendić Nudžejma (2011) „Spektrofotometrijsko određivanje malondialdehida kao markera užeglosti jestivih krutih masti“.

Odbranijeni diplomski radovi (predbolonjski sistem, ukupno 5)

1. Dalida Muftić-Brdar (2019/20): „Određivanje sadržaja ukupnih fenola i ukupnih flavonoida u uzorcima maline sa područja općine Cazin“
2. Junuzović-Živalj Mahira (2014): „Kvantifikacija vitamina C u plodovima paradajza fluorimetrijskom metodom“
3. Kahrman Fatima (2014): „Kvantifikacija likopena u plodovima paradajza spektrofotometrijskom metodom“
4. Hasanović Sabira (2012) „Antioksidativni kapacitet vitamina C protiv hidroksilnih radikala mjeren fluorimetrijskom metodom“
5. Šivšić Jasmina (2012) „Optimizacija fluorimetrijske metode za određivanje antioksidativnog kapaciteta protiv hidroksilnih radikala“

Odbranjeni završni radovi I ciklusa (Ukupno 32)

BIBLIOGRAFIJA

Naučni radovi u časopisima

**Radovi indeksirani u Web of Science Core Collection: *Current Contents Connect*,
Science Citation Index Expanded, Emerging Sources Citation Index**

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