

OSOBNE INFORMACIJE



Emir Horozić

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Spol: Muško | Datum rođenja: 31/05/1993 | Nacionalnost: Bošnjak

POZICIJA

Asistent za užu naučnu oblast "Organska hemija"

OBLAST INTERESOVANJA

Organska hemija, Hemija prirodnih jedinjenja, Hemija kompleksnih jedinjenja, Farmaceutska hemija, Hemija antitumorskih lijekova, Makromolekulama hemija

RADNO ISKUSTVO

Od 02/10/2017 - danas

Asistent za užu naučnu oblast "Organska hemija"

Univerzitet u Tuzli, Tehnološki fakultet, Urfeta Vejzagića 8, 75 000 Tuzla, Bosna i Hercegovina

- Planiranje i izvođenje eksperimentalnih vježbi za studente I ciklusa studija
- Pružanje pomoći predmetnim profesorima u nastavnom procesu
- Organizacija i planiranje ispita
- Profesionalno usavršavanje

Nastavni predmeti:

- Organska hemija (Tehnološki fakultet)
- Organska hemija I (Tehnološki fakultet, Farmaceutski fakultet)
- Organska hemija II (Farmaceutski fakultet)
- Hemija makromolekula (Tehnološki fakultet)
- Hemija prirodnih spojeva (Tehnološki fakultet)
- Hemija policikličkih spojeva (Tehnološki fakultet)
- Struktura i svojstva polimera (Tehnološki fakultet)
- Hemija sredstava za zaštitu bilja (Tehnološki fakultet)

Djelatnost ili sektor: Visoko obrazovanje

EDUKACIJA

02/10/2017 - 19/02/2019

Magistar hemije i inženjerstva materijala (MA)

Univerzitet u Tuzli, Tehnološki fakultet, Urfeta Vejzagića 8, 75 000 Tuzla, BiH

Odsjek za hemijsko inženjerstvo i tehnologije

Program: Hemija i inženjerstvo materijala

01/10/2012 - 14/10/2016

Bachelor hemije (BA)

Univerzitet u Tuzli, Prirodno-matematički fakultet, Urfeta Vejzagića 4, 75 000 Tuzla, BiH

Odsjek za hemiju

Program: Edukacija u hemiji

OSOBNJE VJEŠTINE

Maternji jezik Bosanski

Ostali jezici

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski jezik	B1	B1	B1	B1	B1
Njemački jezik	A2	A2	A2	A2	A2

Stupnjevi: A1/2: Početnik - B1/2: Samostalni korisnik - C1/2 Iskusni korisnik
[Zajednički europski referentni okvir za jezike](#)

Računarske vještine

Microsoft Office paket (Word, Excel, PowerPoint, etc.), ChemOffice, ACD Labs

Poslovne vještine

Rad na analitičkim instrumentima (UV/Vis i FTIR spektrofotometar, HPLC i dr.)

Digitalne vještine

SAMOPROCJENA				
Obrada informacija	Komunikacija	Izrada sadržaja	Sigurnost	Rješavanje problema
Iskusni korisnik	Iskusni korisnik	Iskusni korisnik	Iskusni korisnik	Samostalni korisnik

Stupnjevi: Osnovni korisnik - Samostalni korisnik - Iskusni korisnik
[Digitalne kompetencije - Mreža samoprocjene](#)

PUBLIKACIJE

Odabrani radovi publicirani u naučnim časopisima

Cipurković, A., Marić, S., Horozić, E., Hodžić, S., Husejnagić, D., Kolarević, L., Zukić, A., Bjelošević, D. (2019). Complexes of Co (II), Cu (II) and Ni (II) with Antineoplastic Agent Imatinib Mesylate: Synthesis, Characterization and Biological Activity. *American Journal of Chemistry*, 9(6), 159-164.

Horozić, E., Kolarević, L., Zukić, A., Bjelošević, D., Mekić, L., Ademović, Z., Husejnagić, D., Hodžić, S. (2019). Effects of extraction solvent and technique on the antioxidant and antimicrobial activity of spring Saffron (*Crocus vernus* (L.) Hill). *Acta Medica Saliniana*, 49(2), 19-23.

Horozić, E., Suljagić, J., Suljkanović, M. (2019). Synthesis, characterization, antioxidant and antimicrobial activity of Copper(II) complex with Schiff base derived from 2,2-dihydroxyindane-1,3-dione and Tryptophan. *American Journal of Organic Chemistry*, 9(1), 9-13.

Horozić, E., Suljagić, J., Husejnagić, D., Hasić, N., Bratovčić, A. (2019). Synthesis, characterization and in vitro biological evaluation of the Schiff base derived from Benzidine and 1,3-Diphenyl-1,3-propanedione. *Journal of Engineering & Processing Management*, 11(2), 112-116.

Horozić, E., Ademović, Z., Suljagić, J., Cipurković, A., Roša, E., Sejfić, A., Husejnagić, D., Hodžić, S. (2019). Synthesis, spectral characterization, antibacterial and antifungal activity of copper(II)-pABA Complex. *Technologica Acta*, 12(1), 27-30.

Horozić, E., Zukić, A., Kolarević, L., Bjelošević, D., Ademović, Z., Šarić-Kundalić, B., Husejnagić, D., Kudumović, A. (2019). Evaluation of antibacterial and antioxidant activity of methanol needle extracts of *Larix Decidua* Mill., *Picea Abies* (L.) H. Karst. and *Pinus Nigra* J. F. Arnold. *Technics Technologies Education Management*, 14(1), 22-27.

Horozić, E., Cipurković, A., Ademović, Z., Bjelošević, D., Kolarević, L., Zukić, A., Husejnagić, D., Hodžić, S. (2018). Synthesis, spectral characterization and antimicrobial activity of some M(II) complexes with Ciprofloxacin. *Journal of Engineering & Processing Management*, 10(2), 16-22.

Horozić, E., Cipurković, A., Ademović, Z., Kolarević, L., Bjelošević, D., Zukić, A., Hodžić, S., Husejnagić, D., Ibišević, M. (2018). Synthesis, characterization and *in vitro* antimicrobial activity of the Cu(II) and Fe(III) complexes with 1-cyclopropyl-6-fluoro-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 51, 1-5.

Horozić, E., Begić, S., Cipurković, A., Suljkanović, N., Mujanović, S. (2018). Application of dendrimers and quantum dots in cancer diagnosis and therapy. *Acta Medica Saliniana*, 47(2), 23-31.

Horozić, E., Begić, A., Ademović, Z., Brekalo-Lazarević, S. (2018). Reproducibility of the selected methods for determination of phenol in urine by high performance liquid chromatography. *Chemistry in Industry*, 67(13), 107-114.

Brekalo-Lazarević, S., Begić, A., Ademović, Z., Horozić, E. (2018). Determination of Benzene Metabolite phenol in the Urine and Analysis of Blood Parameters of Workers Exposed to Benzene. *International Journal of Current Advanced Research*, 7(7), 14031-14035.

Cipurković, A., Horozić, E., Đonlagić, N., Marić, S., Saletović, M., Ademović, Z. (2018). Biodegradable Polymers: Production, properties and application in medicine. *Technologica Acta*, 11(1), 25-35.

Cipurković, A., Horozić, E., Ljubijankić, N., Odošević, A., Saletović, M., Galijašević, S. (2017). Synthesis and spectral characterization of Fe(II) and Mn(II) complexes with oral fluorouracile pro-drug Capecitabine. *Rasayan Journal of Chemistry*, 10(4), 1381-1390.

Saletović, M., Cipurković, A., Horozić, E., Đozić, A., Selimbašić, V. (2017). Distribution of Some Elements in the Soil Where Echinacea is Cultivated. *European Journal of Scientific Research*, 146 (2), 194-202.

Horozić, E., Cipurković, A., Ljubijankić, N. (2017). Anti-infective and anti-tumor activity of some metal complexes ($M^{II}-M^{IV}$) with Schiff bases. *Technologica Acta*, 10(1), 27-34.

Cipurković, A., Horozić, E., Crnković, A., Marić, S., Ljubijankić, N. (2016). Spectroscopic Investigations of Co(II) and Cu(II) Interaction with Imatinib Mesylate and Capecitabine. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina* 47, 11-16.

Odabrani radovi sa
međunarodnih konferencija

Zukić, A., Horozić, E., Ademović, Z., Suljagić, J., Džambić, A., Bjelošević, D., Kolarević L. (2020). Novel transition metal complexes with tenoitrifluoroacetone: Synthesis, spectral characterization and *in vitro* biological activity. XIII Meeting of Young Chemical Engineers, Zagreb, Faculty of Chemical Engineering and Technology, Croatia, February 20-21, Book of Abstracts, p. 190.

Horozić, E., Cipurković, A., Junuzović, H., Ahmetović, M., Mekić, L. (2020). Physical-chemical characterization and bioactivity of selected biometal complexes with 8-hydroxyquinoline. XIII Meeting of Young Chemical Engineers, Zagreb, Faculty of Chemical Engineering and Technology, Croatia, February 20-21, Book of Abstracts, p. 162.

Hodžić, E., Alić, E., Horozić, E. (2020). Monitoring of pollutants emissions in the Tuzla City. XIII Meeting of Young Chemical Engineers, Zagreb, Faculty of Chemical Engineering and Technology, Croatia, February 20-21, Book of Abstracts, p. 86.

Horozić, E., Suljagić, J., Šerifović, A., Husejnagić, D., Hodžić, S. (2019). Synthesis, characterization and antimicrobial activity of the imine Co(II) complex derived from ninhydrin and glycine. 6th Symposium „Environmental Resources, Sustainable Development and Food Production“, Tuzla, Faculty of Technology, B&H, November 14-15, Book of Abstracts, p. 31.

Bjelošević, D., Zukić, A., Kolarević, L. Horozić, E. (2019). Study of interaction and *in vitro* biological activity of the product copper(II) and nickel(II) with tenoethyltrifluoroacetone. 6th Symposium „Environmental Resources, Sustainable Development and Food Production“, Tuzla, Faculty of Technology, B&H, November 14-15, Book of Abstracts, p. 27.

Ljevaković, M., Djedović, A., Dubravac, A., Zohorović, M., Horozić, E. (2019). Removal of chromium (VI) from aqueous solution using orange peel. 6th Symposium „Environmental Resources, Sustainable Development and Food Production“, Tuzla, Faculty of Technology, B&H, November 14-15, Book of Abstracts, p. 33.

Dubravac, A., Omerčević, M., Zohorović, M., Horozić, E. (2019). Effect of contact time in removing Cr(IV) ions from water using lemon peel as low-cost biosorbent. 6th Symposium „Environmental Resources, Sustainable Development and Food Production“, Tuzla, Faculty of Technology, B&H, November 14-15, Book of Abstracts, p. 30.

Kolarević, L., Zukić, A., Bjelošević, D., Horozić, E., Ademović, Z., Hasić, N., Husejnagić, D., Hodžić, S. (2019). Evaluation of antimicrobial and antioxidant activity of Copper(II) and Chromium(III) complexes with Schiff base derived from glycine and 2,2-dihydroxyindane-1,3-dione. Fourth Congress of Pharmacists of Bosnia and Herzegovina, Sarajevo, Hotel Hills, B&H, October 10-13, Book of Abstracts, p. 333.

Džambić, A., Muratović, S., Veljović, E., Smajić, M., Cilović, E., Horozić, E., Srabović N. (2019). Antioxidative activity of six new arylmethylen bis(3-hydroxy-5,5-dimethyl-2-cyclohexen-1-one) derivatives. Fourth Congress of Pharmacists of Bosnia and Herzegovina, Sarajevo, Hotel Hills, B&H, October 10-13, Book of Abstracts, p. 317.

Horozić, E., Suljagić, J. (2019). Characterization and investigation of bioactivity of copper(II) and cobalt(II) complexes with imine ligand. 5th International Conference New Technologies, Development and Application NT-2019, Sarajevo, B&H, June 27-29, 624-632.

- Djedović, M., Zahirović, A., Tutić, A., Horozić, E., Zohorović, M., Ademović, Z. (2019). Researching the efficiency of banana peel in removal of selected metals from water. 27th International Conference Ecological Truth And Environmental Research - Student section, Bor, Serbia, June 18-21, Book of Abstracts, p. 22.
- Horozić, E., Kolarević, L., Zukić, A., Bjelošević, D., Ademović, Z., Šarić-Kundalić, B. (2019). Investigation of solvent effects on antioxidant activity of dried immortelle extracts (*Helichrysum italicum*). VI Symposium of pharmacists TK - "Antioxidants: Importance and Use", Hotel Tuzla, Tuzla, B&H, March 23, Proceedings, p. 25-29.
- Horozić, E., Cipurković, A., Ademović, Z., Kolarević, L., Bjelošević, D., Zukić, A., Hodžić, S., Husejnagić, D. (2018). Synthesis, characterization and antimicrobial screening of Cu(II) complex with macrolide antibiotic Azithromycin. XII Counseling for Chemists, Technologists and Ecologists of the Republic of Srpska, Hotel Kardial, Teslić, B&H, November 2-3, Proceedings, p. 27-33.
- Horozić, E., Cipurković, A., Ademović, Z., Husejnagić, D., Kolarević, L., Bjelošević, D., Zukić, A., Hodžić, S. (2018). Complexes with Beta-Lactam Antibiotic Amoxicillin: Synthesis, characterization and in vitro antimicrobial activity. XII Counseling for Chemists, Technologists and Ecologists of the Republic of Srpska, Hotel Kardial, Teslić, B&H, November 2-3, Proceedings, p. 34-41.
- Ademović, Z., Horozić, E. (2018). Complexing of antibiotics with biogenic metals in order to improve antimicrobial activity. XII International Symposium of Pharmacists of the Republic of Srpska, J.P. "Aquana", Banja Luka, B&H, December 1, Proceedings, p. 41-42.
- Brekalo-Lazarević, S., Begić, A., Ademović, Z., Horozić, E. (2018). Health risk for workers exposed to benzene in the workplace. XII International Symposium of Pharmacists of the Republic of Srpska, J.P. "Aquana", Banja Luka, B&H, December 1, Proceedings, p. 43-45.
- Marić, S., Horozić, E., Cipurković, A., Bajrić, E., Salkić, A., Ademović, Z., Ibišević, M. (2018). Study of interaction M(II) and M(III) ions with (7R)-7-((R)-2-amino-2-phenylacetamido)-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-2-carboxylic acid with FTIR spectroscopy and stereo-microscopy. XII Counseling for Chemists, Technologists and Ecologists of the Republic of Srpska, Hotel Kardial, Teslić, B&H, November 2-3, Proceedings, p. 54-58.
- Horozić, E., Cipurković, A., Ademović, Z., Bjelošević, D., Zukić, A., Kolarević, L., Husejnagić, D., Hodžić, S., Ibišević, M. (2018). Synthesis, characterization and in vitro antimicrobial activity of the Cu(II) and Fe(III) complexes with 1-cyclopropyl-6-fluoro-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, B&H, October 19-21, Book of Abstracts, p. 115.
- Horozić, E., Ademović, Z., Hasanbašić, A., Tučić, E., Kovačević, L. (2018). Determination of the citric acid content in commercial fruit juices by HPLC. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, B&H, October 19-21, Book of Abstracts, p. 116.
- Horozić, E., Ademović, Z., Suljagić, J., Begović, H., Halilčević, L., Hodžić, A., Mujezinović, B., Badžić, S. (2018). Determination of total phenols and antioxidative capacity of commercial green tea from tuzla markets. 11th International Scientific and Professional Conference WITH FOOD TO HEALTH, Split, Croatia, October 18-19, Book of Abstracts, p. 119.
- Horozić, E., Hadžić, A., Begić, S., Andrejaš, F. (2018). Removal of heavy metal ions from water using waste biomaterials from food processing as low-cost sorbents. 26th International Conference Ecological Truth And Environmental Research - Student section, Bor, Serbia, June 12-15, Proceedings EcoTERS, p. 6-9.
- Horozić, E., Hajdarbegović, A., Hasanbašić, A., Tučić, E., Halilčević, L., Ademović, Z. (2018). Analysis of antioxidant activity and total phenols content in commercial Sage (*Salvia officinalis* L.). 26th International Conference Ecological Truth And Environmental Research - Student section, Bor, Serbia, June 12-15, Proceedings EcoTERS, p. 10-14.
- Horozić, E., Časurović, A., Čamdžić, M., Bektić, S., Peštalić, N., Subašić, A., Ademović, Z. (2018). Investigation of the vitamin C content in differently treated fruits and vegetables. 1st International Students' GREEN Conference, Osijek, Croatia, May 17-18, Book of Abstracts, p. 152.
- Brekalo-Lazarević, S., Begić, A., Ademović, Z., Horozić, E. (2018). Analysis of blood parameters of workers exposed to Benzene. 5th Symposium of Masters of Pharmacy in Tuzla Canton, Tuzla, 24 mart, Proceedings, p. 10-11.
- Horozić, E., Begić, A., Ademović, Z. (2018). Optimization of a method for determination of phenol in urine by high performance liquid chromatography. XII Meeting of Young Chemical Engineers, Zagreb, February 22-23, Book of Abstracts, p. 158.
- Cipurković, A., Horozić, E., Crnkić, A., Spaseska Aleksovska, E., Marić, S., Saletović, M. (2017). UV and FT-IR spectroscopic characterization of 4-[(4-methylpiperazin-1-yl)methyl]-N-[4-methyl-3-[(4-pyridin-3-yl-pyrimidin-2-yl)amino]phenyl]benzamide. 5th Symposium „Environmental Resources, Sustainable Development and Food Production“, Tuzla, Faculty of Technology, B&H, November 16-17, Book of Abstracts, p. 39.
- Cipurković, A., Horozić, E., Đonlagić, N., Marić, S., Saletović, M., Ademović, Z. (2017). Biodegradable Polymers: Production, properties and application in medicine. The International Joint Science Congress of Materials and Polymers, Metropol Lake Resort, Ohrid, Macedonia, August 25-28, Book of Abstracts, p. 91.

- Ljubijankić, N., Cipurković, A., Begić, S., Horozić, E., Kadić, S., Ljubijankić, S. (2017). Characteristics and ecotoxicology of cadmium. 5th Scientific and Expert Conference "5 June - World Environment Day", Hotel "Kostelski buk", Bihać, Bosnia and Herzegovina, June 29-30, Proceedings, p. 48-55.
- Ljubijankić, S., Cipurković, A., Horozić, E. (2017). Ecotoxicology of mercury. 5th Scientific and Expert Conference "5 June - World Environment Day", Hotel "Kostelski buk", Bihać, Bosna i Hercegovina, June 29-30, Proceedings, p. 69-76.
- Cipurković, A., Horozić, E., Marić, S., Šestan, I., Crnkčić, A. (2016). Investigations of Co(II) and Mn(II) interactions with ascorbic acid using FTIR spectroscopy. XI Conference of Chemists, Technologists and Environmentalists of Republic of Srpska, Hotel Kardial, Teslić, B&H, November 18-19, Proceedings, p. 94-101.
- Horozić, E., Cipurković, A. (2016). Chemical aspects of radiopharmaceuticals applications in diagnosis and therapy. XI Conference of Chemists, Technologists and Environmentalists of Republic of Srpska, Hotel Kardial, Teslić, B&H, November 18-19, Book of Abstracts, p. 30.
- Horozić, E., Cipurković, A., Crnkčić, A., Marić, S., Ljubijankić, N. (2016). Spectroscopic Investigations of Co(II) and Cu(II) Interaction with Imatinib Mesylate and Capecitabine. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, Bosnia and Herzegovina, October 21-23, Book of Abstracts, p. 83.
- Horozić, E., Kesić, A. (2016). Advantages and Adverse Effects of Application of Metallic Nanoparticles and Metal Oxides in Pharmaceutical and Cosmetic Preparations. The 6th International Congress Biomedicine and Geosciences - Influence of Environment on Human Health, Hotel Park, Belgrade, Serbia, April 18-19, p. 218-225.
- Kesić, A., Dedić, J., Tupajić, M., Huseinović, E., Stuhli, V., Horozić, E. (2015). Impact assessment of natural disasters to change physico-chemical parameters of water ecosystems in Tuzla Canton. The 5th International Congress Biomedicine and Geosciences - Influence of Environment on Human Health, Hotel Crowne Plaza, Belgrade, Serbia, March 3-4, p. 256-266.

PROJEKTI

- 2019 [Ispitivanje uticaja eutektičkih rastvarača na hemijski sastav i biološku aktivnost ekstrakata sjemenki odabranih vrsta citrusa](#)
Voditeljica projekta: Dr.sc. Zahida Ademović, vanredna profesorica
- 2018 [Dobijanje lignina i njegovih modelnih komponenata kao i katalitska nadogradnja u hemikalije viših vrijednosti](#)
Voditelji projekta: Prof.dr.sc. Jasmin Suljagić (BiH) i Dr. sc. Miha Grilc (Slovenija)
- 2018 [Sinteza i bioaktivnost kompleksa nekih biogenih metala sa odabranim O, N, S ligandima](#)
Voditeljica projekta: Dr.sc. Amira Cipurković, redovna profesorica
Projekat je finansiran od strane Federalnog ministarstva obrazovanja i nauke Bosne i Hercegovine
- 2018 [Istraživanje mogućnosti primjene M\(II\) kompleksa sa Schiffovim bazama](#)
Voditelj projekta: Dr.sc. Jasmin Suljagić, vanredni profesor
Projekat je finansiran od strane Univerziteta u Tuzli, Bosna i Hercegovina
- 2014 [Ispitivanje potencijalno kontaminiranih područja FBiH - I faza](#)
Voditeljica projekta: Dr.sc. Aldina Kesić, docent
Projekat je finansiran od strane Federalnog ministarstva obrazovanja i nauke Bosne i Hercegovine

OBJAVLJENI UDŽBENICI

- Maj, 2019 [Nomenklatura organskih spojeva](#)
Snježana Marić, Emir Horozić, Jasmin Suljagić
- Februar, 2020 [Metode izolacije i identifikacije organskih spojeva](#)
Emir Horozić, Jasmin Suljagić, Zahida Ademović, Snježana Marić