

OSOBNE INFORMACIJE



Emir Horozić

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

 +387 61 026 160

 emir.horozic@untz.ba horozic.emir@gmail.com

 https://www.researchgate.net/profile/Emir_Horozić

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

RADNO ISKUSTVO

27.01.2021 - danas

Profesor kemije

Katolički školski centar "Sv. Franjo" Tuzla - Opća gimnazija, Klosterska 10, 75 000 Tuzla, BiH

- Organiziranje I izvođenje redovne nastave prema NPP
- Rad na osobnom stručnom I pedagoško-metodičkom usavršavanju
- Priprema, pregled i ocjenjivanje pismenih zadataka
- Organiziranje i održavanje konsultacija sa učenicima
- Priprema za odgojno-obrazovni rad i stručno, pedagoško i metodičko izvođenje nastave i drugih oblika odgojno-obrazovnog rada
- Obavljanje poslova predviđenih aktima škole i po nalogu direktora škole

Djelatnost ili sektor: Srednje obrazovanje

28.02.2022 - 28.02.2027

Viši asistent za užu naučnu oblast "Organska hemija"

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

- 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 II (Farmaceutski fakultet)
- Organska hemija II (Tehnološki fakultet)

Djelatnost ili sektor: Visoko obrazovanje

02.10.2017 - 02.10.2021

Asistent za užu naučnu oblast "Organska hemija"

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

- 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, Prirodno-matematički fakultet)
- Hemija prirodnih spojeva (Tehnološki fakultet)
- Hemija polickličkih spojeva (Tehnološki fakultet)
- Struktura i svojstva polimera (Tehnološki fakultet)
- Hemija sredstava za zaštitu bilja (Tehnološki fakultet)

Djelatnost ili sektor: Visoko obrazovanje

EDUKACIJA

08.10.2021 - danas

Student III ciklusa studija - doktorski studij (PhD)

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

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

Zajednički doktorski studij "Primijenjena hemija"

02.10.2017 - 19.02.2019

Magistar hemije i inženjerstva materijala (MSc)

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 (BSc)

Univerzitet u Tuzli, Prirodno-matematički fakultet, Univerzitska 4, 75 000 Tuzla, BiH
Odsjek za hemiju
Program: Edukacija u hemiji

OBLAST INTERESOVANJA

Organska hemija, Hemija prirodnih jedinjenja, Hemija kompleksnih jedinjenja, Farmaceutska hemija, Hemija antitumorskih lijekova, Edukacija u hemiji

OSOBNE VJEŠTINE

Maternji jezik Bosanski

Ostali jezici

Engleski jezik

Njemački jezik

	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.)

Vozakačka dozvola

B

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**Radovi objavljeni u naučnim časopisima**

Cilović Kozarević E., Šarić-Kundalić B., Ibišević M., Horozić E., Glamočlija J., Soković M., Arsenijević J., Maksimović Z. (2021). GC/MS analysis and antimicrobial activity of essential oils of *Telekia speciosa* (Schreb.) Baumg. Natural Medicinal Materials, 41, accepted.

Horozić E., Ibišević M., Husejnagić D., Karić E., Hasić N., Hajdarević A. (2021). Spectral Analysis and *In Vitro* Biological Activity of Cu(II) Complex with Tridentate ONO Schiff Base Ligand. The Journal of Pure and Applied Chemistry Research, 10(2), 159-164.

Džananović Jagarac J., Ademović Z., Šarić Kundalić B., Horozić E. (2021). Chemical composition and antioxidant and antimicrobial activity of *Helichrysum italicum* (Roth) G. Don. Essential Oil from Bosnia and Herzegovina. Technologica Acta, 14(1), 21-26.

Imamović, M., Horozić, E., Salković, V., Pašalić, A., Hadžić, N. (2021). Metal Complexes as potential Agents for neutralizing Free Radicals: A review of *in vitro* studies. Acta Medica Saliniana, accepted.

Merzić, S., Šehanović, A., Musić, A., Šarić, A., Alić, M., Avdić, A., Huskić, A., Yazici, B., Bašić, M., Pavić I., Horozić, E. (2021). Influence of solvents on polyphenol content and antioxidant activity of fig leaf extracts obtained by maceration and ultrasonic extraction. International Journal of Advanced Chemistry, 9(2), 70-73.

Imamović, M., Horozić, E., Karić, E., Husejnagić, D., Ahmetović, N., Salković, V. (2021). *In vitro* antibacterial and antioxidant activity of methanolic pepper extracts (*Piper nigrum*). VoxScientiae PHARM-HEALTH, 9(1), 45-49.

Hasić, N., Horozić, E. (2020). Cloud Point Extraction as a Method for Preconcentration of Metal Ions. Journal of Engineering & Processing Management, 12(2), 44-49.

- Horozić, E., Antić, A., Mujić, Z., Brkić, K., Pelemiš, K. (2020). *In vitro* antibacterial activity and ferric reducing antioxidant power of selected metal complexes with schiff bases derived from 2,2-dihydroxyindane-1,3-dione and selected amino acids. *Acta Medica Saliniana*, 1-2, 92-97.
- Horozić, E., Šljivić Husejnović, M., Bajrić, A., Ibišević, M., Karić, E., Džambić, A., Husejnagić, D., Nurković, E. (2020). BSA binding affinity, free radical scavenging capacity and antibacterial activity of new Silver(I) complexes with Schiff base ligands. *International Journal of Basic and Applied Sciences*, 9(1), 12-16.
- Kolarević, L., Horozić, E., Ademović, Z., Šarić-Kundalić, B., Husejnagić, D. (2020). Influence of deep eutectic solvents (DESs) on antioxidant and antimicrobial activity of seed extracts of selected citrus species. *International Research Journal of Pure & Applied Chemistry*, 21(23), 120-128.
- Cipurković, A., Horozić, E., Marić, S., Mekić, L., Junuzović, H. (2020). Metal complexes with 8-hydroxyquinoline: Synthesis and *in vitro* antimicrobial activity. *Open Journal of Applied Sciences*, 11, 1-10.
- Marić, S., Hasić, N., Horozić, E., Cipurković, A., Antić, A., Mujić, Z., Pelemiš, K., Brkić, K., Bjelošević, D. (2020). Synthesis, characterization and bioactivity of selected metal complexes with imine ligands. *Technologica Acta*, 13(2), 39-42.
- Begić, S., Horozić, E., Alibašić, H., Bjelić, E., Seferović, S., Cilović Kozarević, E., Ibišević, M., Zukić, A., Karić, E., Softić, M. (2020). Antioxidant Capacity and Total Phenolic and Flavonoid Contents of Methanolic Extracts of *Urtica dioica* L. by Different Extraction Techniques. *International Research Journal of Pure & Applied Chemistry*, 207-214.
- Hodžić, E., Alić, E., Horozić, E. (2020). Monitoring of Pollutant Emissions in the City of Tuzla. *Chemistry in Industry*, 69(13), 57-64.
- Ibišević, M., Pilipović, S., Nešić, I., Kerleta, V., Husejnagić, D., Cilović Kozarević, E., Horozić, E., Karić, E. (2020). Antimicrobial activity of liposomal and non-liposomal vaginal suppositories with *Origanum compactum* essential oil. *Technologica acta*, 13(2), 5-10.
- Horozić, E., Suljagić, J., Gojković, J., Halilčević, E., Husejnagić, D., Cilović Kozarević, E. (2020). Influence of extraction technique on nutrient content, antioxidant and antimicrobial activity of aqueous extracts of commercial apricot kernels. *International Journal of Advanced Chemistry*, 8(2), 225-229.
- Džambić, A., Muratović, S., Veljović, E., Softić, A., Dautović, E., Šljivić Husejnović, M., Horozić, E., Smajlović, A. (2020). Evaluation of antioxidative, antimicrobial and cytotoxic activity of the synthetized arylmethylenbis(3-hydroxy-5,5-dimethyl-2-cyclohexen-1-one) derivatives. *European Chemical Bulletin*, 9(9), 285-290.
- Suljagić, J., Marić, S., Horozić, E., Husejnagić, D., Ibišević, M., Džambić, A. (2020). Physical-chemical characterization and bioactivity of Copper(II), Cobalt(II) and Nickel(II) complexes with 4,4,4-Trifluoro-1-(2-thienyl)-1,3-butanedione. *Australian Journal of Basic and Applied Sciences*, 14(2), 31-35.
- Cipurković, A., Marić, S., Horozić, E., Hodžić, S., Husejnagić, D., Kolarević, L., Zukić, A., Bjelošević, D. (2019). Complexes of Co (II), Cu (III) 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.
- Suljagić, J., Horozić, E., Suljkanović, M., Hasić, N. (2019). Comparative assessment of total polyphenols and antioxidant activity of commercial green tea from Tuzla markets. *International Journal for Research in Applied Sciences and Biotechnology*, 6(4), 14-17.
- 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., Sejfć, 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-cyclopentyl-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., Odobašić, 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., Đožić, 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., Crnkić, 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 i abstrakti sa domaćih i međunarodnih konferencija

- Horozić, E., Karić, E., Imamović, M., Husejnagić, D., Bjelić, E. (2021). Studija antibakterijskog i antioksidativnog djelovanja komercijalnih eteričkih ulja. VII International scientific-professional symposium "Environmental resources, sustainable development and food production" - OPORPH 2021, Tuzla, Bosnia and Herzegovina, November 12, Book of Abstracts, p. 8.
- Kolarević, L., Horozić, E., Ademović, Z. (2021). Determination of polyphenolic content and antioxidant activity of *Cucurbita pepo* L. leaves extracts obtained by ultrasonic extraction. VII International scientific-professional symposium "Environmental resources, sustainable development and food production" - OPORPH 2021, Tuzla, Bosnia and Herzegovina, November 12, Book of Abstracts, p. 8.
- Mekić, L., Horozić, E., Cilović, Kozarević, E. (2021). The evaluation of antioxidant activity and total phenolic content of *Lysimachia vulgaris* L. extracts. VII International scientific-professional symposium "Environmental resources, sustainable development and food production" - OPORPH 2021, Tuzla, Bosnia and Herzegovina, November 12, Book of Abstracts, p. 9.
- Zukić, A., Horozić, E., Ademović, Z., Suljagić, J., Džambić, A., Bjelošević, D., Kolarević, L. (2020). Novel transition metal complexes with tenoil trifluoroacetone: 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 tenoethyl trifluoroacetone. 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 arylmethen bis(3-hydroxy-5,5-dimethyl-2-cyclohexen-1-one) derivates. 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.

- 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.
- 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.
- 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.
- 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., Čamđić, 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 Aleksovská, 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., Crnkić, 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., Crnkić, 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.

OBJAVLJENE KNJIGE I UNIVERZITETSKI UDŽBENICI

- 08/2021 **ORGANIKUM - Osnove organske kemije s praktikumom**
Emir Horozić

- 08/2021 **Antioksidansi**
Emir Horozić, Maida Šljivić-Husejnović, Lamija Kolarević, Demir Bjelošević, Merima Ibišević, Enida Karić, Amra Džambić

- 02/2020 **Metode izolacije i identifikacije organskih spojeva**
Emir Horozić, Jasmin Suljagić, Zahida Ademović, Snježana Marić

- 05/2019 **Nomenklatura organskih spojeva**
Snježana Marić, Emir Horozić, Jasmin Suljagić

PROJEKTI

- 2021 Podrška za izdavanje univerzitskog udžbenika „Metode izolacije i identifikacije organskih spojeva“
Voditelj projekta: Emir Horozić, MA

- 2019 Uticaj eutektičkih rastvarača na hemijski sastav I bioaktivnost ekstrakata sjemenki odabranih vrsta citrusa
Voditeljica projekta: Prof.dr.sc. Zahida Ademović; Mladi istraživač: Emir Horozić, MA

- 2019 Podrška za izdavanje univerzitskog udžbenika „Nomenklatura organskih spojeva“
Voditelj projekta: Emir Horozić, MA

- 2018 Dobijanje lignina i njegovih modelnih komponenata kao i katalitska nadogradnja u hemikalije viših vrijednosti
Voditelji projekta: Prof.dr.sc. Jasmin Suljagić (BiH) i Doc.dr. sc. Miha Grilc (Slovenija)
Mladi istraživači: Emir Horozić, Halid Junuzović, MA

- 2018 Sinteza i bioaktivnost kompleksa nekih biogenih metala sa odabranim O, N, S ligandima
Voditeljica projekta: Dr.sc. Amira Cipurković, redovna profesorica; Mladi istraživač: Emir Horozić
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; Mladi istraživač: Emir Horozić
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; Mladi istraživač: Emir Horozić
Projekat je finansiran od strane Federalnog ministarstva obrazovanja i nauke Bosne i Hercegovine

STRUČNE POSJETE

03.11.2019 - 24.11.2019

Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu - Zavod za fizikalnu kemiju

CEEPUS (Central European Exchange Programme for University Studies)

Aktivnosti: Edukacija i provedba sinteza nanočestica fluorita (CaF_2) pri različitim uslovima

25.11.2019 - 30.11.2019

Kemijski inštitut u Ljubljani (National Institute of Chemistry)

Realizacija bilateralnog projekta između Bosne i Hercegovine i Slovenije

Aktivnosti: Sinteza dimernih modelnih komponenti koje bi predstavljale derivate bifenila (modelna komponenta za C-C vezu) i 2-fenoksi-1-feniletanola (modelna komponenta za β -O-4 vezu)