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ZAPOSLLENJE

Viši asistent za oblasti *Opšta hemija i Anorganska hemija*

Prirodno-matematički fakultet Univerziteta u Sarajevu
 Odsjek za hemiju, Katedra za opštu i anorgansku hemiju
 Zmaja od Bosne 35, 71000 Sarajevo, Bosna i Hercegovina
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RADNO ISKUSTVO

od 2018.

Viši asistent za oblasti Opšta hemija i Anorganska hemija na Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina

2014 - 2018.

Asistent za oblasti Opšta hemija i Anorganska hemija na Odsjeku za hemiju Prirodno-matematičkog fakulteta Univerziteta u Sarajevu, Bosna i Hercegovina

OBRAZOVANJE

17.10.2022.

Doktor hemijskih nauka, Prirodno-matematički fakultet, Sarajevo
 Tema disertacije: *“Heteroleptički kompleksi rutenija sa diiminima i Schiff-ovim bazama izvedenim iz aminokiselina: sinteza, karakterizacija i biološka aktivnost”*
 Mentor: Prof. Dr. Emira Kahrović

2013-2014.

Magistar inženjerske hemije, Prirodno-matematički fakultet, Sarajevo
 Magistarski rad: *„Prekoncentriranje i određivanje nekih metalnih jona iz multielementnih otopina nakon koprecipitacije sa itrijum-8-hidroksihinolinom“*
 Mentor: Prof. Dr. Mustafa Memić

2009-2013.

Bachelor inženjerske hemije, Prirodno-matematički fakultet, Sarajevo
 Diplomski rad: *„Prekoncentriranje metalnih jona na silika gelu 60 F₂₅₄“*
 Mentor: Prof. Dr. Mustafa Memić

2005-2009.

„Prva bošnjačka gimnazija“ Sarajevo

Maternji jezik

Bosanski jezik

Ostali jezici

Engleski jezik

RAZUMIJEVANJE		GOVOR		PISANJE
Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
C1	C1	C1	C1	C1

ICE (International General Certificate of Secondary Education) Cambridge, Great Britain

Stepeni: A1/2: Početnik – B1/2: Samostalni korisnik – C1/2 Iskusni korisnik

Zajednički europski referentni okvir za jezike

Rad na računaru

▪ Napredni nivo

Vozačka dozvola

▪ B kategorija

DODATNE INFORMACIJE

Učešće na regionalnim konferencijama

- 4th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, juni 2022.
- 2nd International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, oktobar 2016.
- Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, Bosnia and Herzegovina, oktobar 2014.

Učešće u projektima

Mladi istraživač u naučno-istraživačkim projektima:

- „Kompleksi vanadija s hidrazonima kao potencijalni anti-SARS-CoV-2 agensi“, projekt Federacije Bosne i Hercegovine u 2021. god. voditelj projekta: doc. dr. Adnan Zahirović
- „HeteroBinuklearni (Aren)rutenijzlato kompleksi kao Inhibitori Tiodoksini reduktaze (BAIT)“, Ministarstvo za nauku, visoko obrazovanje i mlade Kanton Sarajevo, 2021. god. voditelj projekta: doc. dr. Adnan Zahirović
- “Novi antiproliferativni kompleksni rutenija: sinteza i SAR-studija”, projekt Federacije Bosne i Hercegovine u 2018. god., voditelj projekta: prof. dr. Emira Kahrović
- “Razvoj kompleksa rutenija kao medijatora za nove senzore ” projekt Federacije Bosne i Hercegovine u 2017. god., voditelj projekta: prof. dr. Emir Turkušić

Učešće na seminarima

- Interdisciplinarnost na Univerzitetu u Sarajevu, Rektorat Univerziteta u Sarajevu, 5.10.2018., Erasmus+ projekat Re@WBC
- NETREL learning course (HPLC and GC chromatography techniques), PMF Sarajevo, 12-17.6.2014., TEMPUS projekt EU
- NETREL learning course (Sample Treatment of Environmental Matrices), PMF Sarajevo, 3-7.2.2014., TEMPUS projekt EU

Članstva

Društvo hemičara i tehnologa Kantona Sarajevo

Royal Society of Chemistry, 2022 - 2023.

BIBLIOGRAFIJA

Udžbenici



Nevezeta Ljubijankić, Sabina Begić, **Irnese Osmanković**

Praktikum Opšte hemije

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Naučni radovi u časopisima

1. **Osmanković Irnesa**, Turkušić Emir, Zahirović Adnan, Kralj Marijeta, Uzelac Lidija and Kahrović Emira. "CT DNA, BSA and Antiproliferative Activity of Ru (II) Bipyridine Complexes Containing Schiff Bases Derived from Amino Acids." *Croatica Chemica Acta*, 94(3), (2021), P1-P10.
2. Zahirović Adnan, **Osmanković Irnesa**, Turkušić Emir, Emira Kahrović. "Improved method for spectrophotometric determination of ruthenium using 1,10-phenantroline: Applications for analysis of complex compounds." *Analytical Methods*, 10(42) (2018), 5078-5083
3. Kahrović Emira, Adnan Zahirović, Aleksandar Višnjjevac, **Irnese Osmanković**, Emir Turkušić and Harun Kurtagić. „Chalcone and Flavonol Copper(II) Complexes Containing Schiff Base Co-Ligand: Synthesis, Crystal Structures and Catecholase-like Activity.“ *Croatica Chemica Acta*, 91(2), (2018): 1-13
4. Kahrović Emira, Adnan Zahirović, Šeherzada Kadrić, Emir Turkušić, **Irnese Osmanković**, Hurija Džudžević-Čančar. *Structural Feature of Calf Thymus DNA – Ruthenium(III) Interaction in Aqueous Solution by Difference Fourier Transformed Infrared Spectroscopy*. *Spectroscopy Letters*, 50(2017), 426-431
5. **Svraka (Osmanković) Irnesa**, Memić Mustafa, Sulejmanović Jasmina, Muhić-Šarac Tidža, *Preconcentration of Metal Ions Using Silica Gel 60 F₂₅₄*. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 42 (2014) 11-16

Naučni radovi na konferencijama

6. **Osmanković Irnesa**, Turkušić Emir, Zahirović Adnan and Kahrović Emira. *Novel Mononuclear Ruthenium(II) Polypyridyl Complexes with Schiff Bases derived from Amino Acids – DNA and BSA in vitro Binding Studies*. 4th Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, Bosnia and Herzegovina, 30 June - 2July 2022, Book of Abstracts, p.138
7. Adnan Zahirović, Amina Magoda, **Irnese Osmanković**, Emir Turkušić and Emira Kahrović. *Synthesis and Biological Activity of Copper(II) Complexes with Nicotinic Acid Hydrazones*. 4th Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, Bosnia and Herzegovina, 30 June - 2July 2022, Book of Abstracts, p.137.

8. Adnan Zahirović, **Irnesa Osmanković**, Emir Turkušić and Emira Kahrović. *Ruthenium(II) complex with S-Allyl-L-cysteine sulfoxide: Synthesis, characterization and BSA Interaction*. 47th World Chemistry Congress IUPAC, Paris, France, July 5 – 12, **2019**.
9. Adnan Zahirović, Emir Turkušić, **Irnesa Osmanković**, Aleksandar Višnjevac and Emira Kahrović, *Thermodynamic Aspect of Dicopper(II) Chalcone Complexes Interaction with CT DNA*, Pure and Applied Chemistry International Conference 2019, Bangkok, Thailand, February 7 – 8, **2019**
10. Aleksandar Višnjevac, Adnan Zahirović, **Irnesa Osmanković**, Emir Turkušić, Emira Kahrović, *Crystal structures and bioactivity studies of four novel chalcone and flavonol copper(II) complexes containing Schiff base co-ligand*, 31st European Crystallographic Meeting, Oviedo, Spain, August 22 – 27, **2018**, Book of Abstracts, MS36-P35: *Acta Cryst.* (2018). A74, e397
11. Adnan Zahirović, Emira Kahrović, Marina Cindrić, Emir Turkušić, **Irnesa Svraka**. *Synthetic Approaches to First Ruthenium–Quercetin Complexes: Insight into Design, Reactivity towards CT DNA and Antioxidant Activity*. 13th European Biological Inorganic Chemistry Conference, Budapest, Hungary, August 28–September 01 **2016**, Book of Abstracts, p. 301 (P148).
12. **Irnesa Svraka**, Šehrzada Kadrić, Adnan Zahirović, Emira Kahrović. *FT-IR Spectroscopy Investigation of Cobalt(II)–CT DNA Interaction in Water Solution*. 2nd Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, Bosnia and Herzegovina, 21-23 October 2016, Book of Abstracts, p.78
13. **Irnesa Svraka**, Elma Šabanović and Mustafa Memić, *Determination of Fe and Mn from Aqueous Solutions after Preconcentration on Yttrium(III) Oxide*. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, Bosnia and Herzegovina, 10-12 October 2014, Book of Abstracts, p.42
14. Elma Šabanović, Mustafa Memić and **Irnesa Svraka**, *The use of pulverized Cucurbita pepo peel for the preconcentration of Co and Ni ions from aqueous solutions*. Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation, Sarajevo, Bosnia and Herzegovina, 10-12 October 2014, Book of Abstracts, p.36

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