



PERSONAL  
INFORMATIONS

## Dr. Nevzeta Ljubijankić



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Date of birth: March 28th, 1963

Place of birth: Brodarevo

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[https://www.researchgate.net/profile/Nevzeta\\_Ljubijankic](https://www.researchgate.net/profile/Nevzeta_Ljubijankic)




<https://scholar.google.com/citations?user=fUCKmewAAAAJ&hl=hr&oi=ao>

## EMPLOYMENT


**Faculty of Science, University of Sarajevo**

Department of Chemistry, Division of General and Inorganic Chemistry

 Zmaja od Bosne 35, 71 000 Sarajevo, Bosna i Hercegovina

Cabinet: 339/III

**Full Professor in the fields of General Chemistry and Inorganic Chemistry**

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 [nevezetalj@pmf.unsa.ba](mailto:nevezetalj@pmf.unsa.ba)

## WORK EXPERIENCE

29. 11. 2023. – present

 Main activities and  
responsibilities

**Full professor** in the fields of *General Chemistry and Inorganic Chemistry* at the Chemistry Department of the Faculty of Science, University of Sarajevo.

Lecturer and teacher in charge:

First cycle of studies – General Chemistry I, General Chemistry II, General and Inorganic Chemistry, Stoichiometry, Chemical Concepts: Molecules and Reactivity, Inorganic Toxicants in the Environment, Inorganic Chemistry with Materials, Inorganic syntheses

Second cycle of studies – Chemistry of Organometallic compounds

Third cycle of studies – Chemistry of Organometallic compounds - selected chapters, Synthesis and Identification of Inorganic Compounds, Synthesis and identification of inorganic compounds - selected chapters

12. 03. 2018. – 29. 11. 2023.

 Main activities and  
responsibilities

**Associate Professor** in the fields of *General Chemistry and Inorganic Chemistry* at the department of Chemistry, Faculty of Science, University of Sarajevo, Bosnia and Herzegovina

Lecturer and teacher in charge:

First cycle of studies – General Chemistry I, General Chemistry II, General and Inorganic Chemistry, Stoichiometry, Chemical Concepts: Molecules and Reactivity, Inorganic Toxicants in the Environment, Inorganic Chemistry with Materials

Second cycle of studies – Chemistry of Organometallic compounds

Third cycle of studies – Chemistry of Organometallic compounds - selected chapters, Synthesis and Identification of Inorganic Compounds, Synthesis and identification of inorganic compounds - selected chapters

25. 06. 2013.– 12. 03. 2018.

**Assistant Professor** in the fields of *General Chemistry and Inorganic Chemistry* at the department of Chemistry, Faculty of Science, University of Sarajevo, Bosnia and Herzegovina.

## Main activities and responsibilities

Lecturer and teacher in charge:  
 First cycle of studies – General and Inorganic chemistry, Stoichiometry, Inorganic syntheses, Applied Inorganic Chemistry, Chemical concepts: Molecules and Reactivity, Inorganic Toxicants in the Environment.  
 Second cycle of studies – Higher Inorganic Practice, Chemistry of Organometallic compounds

**12.01.2009.** – 25. 06. 2013. **Senior Teaching Assistant** in the fields of *General Chemistry and Inorganic Chemistry* at the department of Chemistry, Faculty of Science, University of Sarajevo, Bosnia and Herzegovina.

**05. 02. 2002.** - 05. 02. 2007. **Teaching Assistant** for laboratory practice in *Biochemistry*, Higher Medical School, University of Bihać

## Main activities and responsibilities

Laboratory exercises and calculations in: Stoichiometry, Introduction to Laboratory Work, General Chemistry II, General Chemistry (For Physics Students), Inorganic Chemistry I, Inorganic Chemistry II, Inorganic Syntheses, Chemistry of Complex Compounds, Mechanisms of Inorganic Reactions, Higher Inorganic Practice, Inorganic Materials

2001. – 2009.

**Principal** JU "II srednja škola", Cazin

1994. – 2001.

**Chemistry Teacher** at JU "II srednja škola", Cazin

1991. – 1994.

**Chemistry Teacher** at MSŠ "Safet Krupić", Bosanska Krupa

1987. – 1991.

**Engineering Technologist** at "Poliester", Priboj, Republika Srbija

## ENGAGEMENT AT OTHER FACULTIES

2015. – today

Lecturer and teacher in charge: *General, Inorganic and Organic chemistry* at the Faculty of Health Studies, University of Sarajevo.

2014. – 2017.

Lecturer and teacher in charge: *Inorganic Chemistry* at the Biotechnical Faculty, University of Bihać.

2010. – 2014.

Senior Teaching Assistant: *Chemistry, Chemistry with Stoichiometry, Basics of Human Physiological Chemistry, General Chemistry* at the Faculty of Health Studies, University of Sarajevo.

2010. – 2014.

Senior Teaching Assistant: *Basics of Natural Sciences I and Basics of Natural Sciences II* at the Academy of Fine Arts, University of Sarajevo.

2002. – 2006.

Teaching Assistant: *Biochemistry*, Higher Medical School of Bihać.

## EDUCATION AND TRAINING

13. 01. 2013.

**Doctor of Chemical Sciences**, Faculty of Science, University of Sarajevo

Doctoral dissertation: "*Complexes of Ru(III) with Schiff bases derived from salicylaldehyde: synthesis, structural aspects and interactions with DNA*" done at the Division of General and Inorganic Chemistry of the Faculty of Science in Sarajevo under the mentorship of prof. Dr Emira Kahrović.

1999. – 2007.

**Master of Chemical Sciences**

Thesis "Daily fluctuations of cortisol in the saliva of healthy individuals" done at the Division of Organic Chemistry and Biochemistry of the Faculty of Medicine in Sarajevo under the mentorship of prof. Dr Emin Sofić.

1981. – 1986.

**Graduate Chemical Engineer**

Thesis "Quantitative determination of silymarin" done at the Division of Organic Chemistry and Biochemistry of the Faculty of Medicine in Sarajevo under the mentorship of prof. Dr Krunoslav Dursun.

Professional training

- 1998. Completed pedagogical-psychological and didactic-methodical training at the Pedagogical Academy, University of Bihać.
- 2001. Passed the professional exam for independent class teaching, in accordance with the professional exam program of the Ministry of Education, Science and Culture of the USC.

**PERSONAL SKILLS AND COMPETENCES**

Native language    Bosnian

Other languages

	UNDERSTANDING		SPEECH	
	Listening	Reading	Spoken interaction	Spoken production
Russian	C2	C2	C2	C2
English	B1	B1	B1	B1

Degrees: A1/2: Beginner - B1/2 Independent user - C1/2 Experienced user  
Common European Framework of Reference for Languages

Social skills and competences

Teamwork; ability to adapt to multicultural environments, good communication skills acquired during work experience.

Organizational skills and competences

Organization skills; leadership skills.

Technical skills and competencies

Work on different instruments used in chemical analyses.

**ADDITIONAL INFORMATION**

Participation in the work of the Higher Education Organization

2017. – Ongoing

Head of the Chemistry Department

2014. – 2020.

member of the Quality Assurance Committee at the Faculty of Science

## Memberships

- Member of the Society of Chemists and Technologists of Sarajevo Canton
- Member of the Organizing Committee of the Second Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation (October 21-23, 2016)
- Member of the Organizing Committee of the Third Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation (October 19-21, 2018)
- Member of the Scientific Committee of the Third Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation (October 19-21, 2018)
- Member of the Organizing Committee of the Fourth Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation (June 30 - July 2, 2022).
- Member of the Scientific Committee of the Fourth Congress of Chemists and Technologists of Bosnia and Herzegovina with international participation (June 30 - July 2, 2022)

## Reviews

Reviewer of the Chemistry Curriculum, Ministry of Education of Sarajevo Canton, 13<sup>th</sup> July 2021.

The reviewer of the manuscript entitled "Biochemistry of myeloperoxidase" by Dr. Sci. Semire Galijašević (Decision of the Council of the Medical School, University Sarajevo School of Science and Technology number: 028-5556/20)

The reviewer of the manuscript entitled "Diary of Methodical Practice in Chemistry" authored by Dr. Sci. Melihe Zejnilagić-Hajrić (Decision of the Council of the Faculty of Science Sarajevo number: 01/06-3196/2-2016 dated 08.12.2016).

Reviewer of the manuscript entitled "Bioinorganic Chemistry" authored by Dr. sci. Amire Cipurković, (Decision of the Council of the Natural Sciences Group of the University of Tuzla, number 10/1-1261-1/16, dated February 25, 2016).

*Bulletin of chemists and technologists of Bosnia and Herzegovina* (Manuscript: BCTBH Ref. No: 16/2020: Copper(II) complexes with some antibiotics: Synthesis, FT-IR study and in vitro antibacterial activity).

*Bulletin of chemists and technologists of Bosnia and Herzegovina* (Manuscript: BCTBH Ref. No: 13/2020: Analysis of stability of naturally aged single base propellant).

*Bulletin of chemists and technologists of Bosnia and Herzegovina* (Manuscript: BCTBH Ref. No: 11/2020: Peroxidase activity of hemoglobin and heme destruction).

*Bulletin of chemists and technologists of Bosnia and Herzegovina* (Manuscript: BCTBH Ref. No: 12/2018 Electrochemical Oxidation of Ascorbic Acid Mediated by Ru(III) Schiff-base Complex/Multi-Walled Carbon Nanotube/Nafion Modified Carbon Electrodes).

*Bulletin of chemists and technologists of Bosnia and Herzegovina* (Manuscript: BCTBH Ref. No: 14/2018: 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 chemists and technologists of Bosnia and Herzegovina* (Manuscript: GHTBH Ref. No: 3/2015: The effects of problem-based learning on students' achievements in primary school chemistry).

*4<sup>th</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina* (Abstract No: OP\_79: Novel metal(II) fluoridooxidomolybdates(VI))

*4<sup>th</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina* (Abstract No: PP\_9: Coordination compounds – preparation, structures, properties and applications)

*4<sup>th</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina* (Abstract FTIR: Characterisation of the host-guest interactions in inclusion complexes of dimenhydrinate and 2-hydroxypropyl- $\beta$ -cyclodextrin)

4<sup>th</sup> International Conference "NEW TECHNOLOGIES-DEVELOPMENT AND APPLICATION " (Paper No: NT-2018-056: DETECTION OF HEAVY METALS IN HAIR COLOURS BY THE ATOMIC ABSORPTION SPECTROPHOTOMETRY <http://www.springer.com/series/15179>)

3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina (Abstract No:5bb4: Calcined colemanite as filler for epoxy composite materials).

3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina (Abstract No: 219d: Silica gel impregnated by vanadium(V) oxide: synthesis, characterization and application as a novel solid phase extractant for Cd(II), Cr(III), Cu(II) and Pb(II)).

3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina (Abstract No: 02d3: Selective and Sensitive Detection of Iron(II) with a Calix[4]arene Derivative Having Morpholino Binding Sites).

3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, (Abstract No: e81d: Synthesis and characterization of copper(II) and nickel(II)  $\beta$ -diketonates with pyridine-based amides).

#### Participation in research projects

- |  |   |
|--|---|
| <i>Project title, project leader, year</i> | - Synthesis and characterization of bioactive rhenium(I) carbonyl complexes with diimine ligands; project financed by the Federal Ministry of Education and Science; project manager: prof. Dr. Nevzeta Ljubijankić; in 2023  |
| <i>Project title, project leader, year</i> | - Bioactive rhenium(I) carbonyl complexes with structural analogues of antitumor alkaloids, a project financed by the Ministry of Science, Higher Education and Youth of Canton Sarajevo; project manager prof. Dr. Nevzeta Ljubijankić; in 2023  |
| <i>Project title, project leader, year</i> | - ECOBIAS Development of master curricula in ecological and aquatic bioassessment for Western Balkans HEIs; project manager: Dr.Sci. Samir Đug, (as a member of the project team), 2021.  |
| <i>Project title, project leader, year</i> | Synthesis, characterization and antitumor properties of new ruthenium complexes with O, N and S - donor ligands; project financed by the Federal Ministry of Education and Science; project manager: Dr.Sci. Nevzeta Ljubijankić (as project manager); 2016   |
| <i>Project title, project leader, year</i> | - Determination of the content of heavy metals and metalloids (As, Pb, Cd, Cr, Ni, Co, Mo, Zn, Se, P, Fe and Cu) in drinking water in the USC area using the AAS method; project financed by the Federal Ministry of Education and Science; project manager: Dr. Sci. Ekrem Pehlić (as a member of the project team), 2015. |

#### Additional professional education - participation in professional seminars

**Summer school "Security of urban systems - technical systems in fire protection and private security"** University of Sarajevo, Faculty of Criminology, Criminology and Security Studies  
Lecturer: prof. Dr Nevzeta Ljubijankić

14 – 18. 06. 2021.

**Seminar for chemistry teachers of primary and secondary schools in Sarajevo Canton;**

Lecturer: doc. Dr Nevzeta Ljubijankić

Topic: Possibilities of examination and analysis of fire and toxic gases created in laboratory fires

19. – 20. 06. 2017. Topic: Stoichiometric calculations: Limiting reactant of a chemical reaction. Conversion of measurement units. Conversion factor.
28. – 29. 06. 2016. Topic: Stoichiometric calculations.

#### Other seminars

14. 02. 2017. Pure chromatography (RESTEK) Sarajevo
17. 11. 2016. Responsible Research and Innovation Tools Training, Sarajevo
03. – 04. 03. 2010. Cambridge Structural Database Workshop, Institut Ruđer Bošković, Zagreb, Hrvatska
24. – 25. 04. 2009. III Consultation on the reform of higher education - application of the Bologna principles at the University of Sarajevo
04. 09. 2008. Seminar: Regional positioning of tourist schools in BiH Module 1.7, Mostar School development and guiding image Module 1.3.2
2008. Member of the expert team in the preparation and scoring of test material for the external evaluation of student achievements in chemistry in general high school (Agency for Standards and Assessment in Education for the Federation of Bosnia and Herzegovina)
- 20 – 22. 06. 2007. Seminar: School development and guiding image Module 1.3. Sarajevo
10. – 11. 05. 2007. Workshops of the United World College Initiative (UWC) and the International Baccalaureate Organization (IBO) in Bosnia and Herzegovina on the topic of the importance of external evaluation in the secondary education system and the work of schools
2005. - 2007. Seminars for school principals EU VET program II (three-day seminars with topics: Development of secondary vocational education in the EU context. Reform and modernization of secondary vocational education in BiH. New teaching methods and new assessment methods. School management in accordance with educational reforms. Exchange of information about the development of the new NPP in schools.
2006. (August-December) Teacher training program EU VET program II with topics Methodology of modular NPP. Active teaching methods. Learning styles. New assessment techniques.
2006. Five-day training program on Business planning for student entrepreneurship by the BIP program in cooperation with the EU-VET program. Sarajevo.
02. – 06. 02. 2004. Participation in the training management seminar (BiH Education Development Project, EMIS)

## BIBLIOGRAPHY

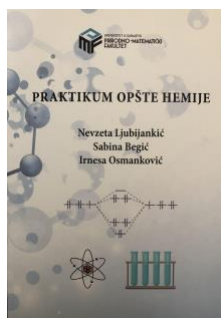
### Textbooks



**Nevzeta Ljubijankić**

**Osnove stehiometrije**

University of Sarajevo, Faculty of Science, 2023;  
 ISBN 978-9926-453-57-2  
 COBIS.BH-ID 53054982



**Nevzeta Ljubijankić**, Sabina Begić, Irnesa Osmanković

**Praktikum opšte hemije**

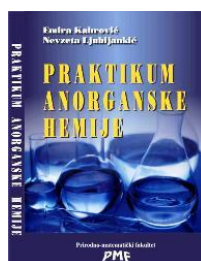
University of Sarajevo, Faculty of Science, 2022;  
ISBN 978-9926-453-53-4  
COBIS.BH-ID 50502406



Meliha Zejnilagić-Hajrić, **Nevzeta Ljubijankić**, Amira Čopra-Janićijević, Danijela Vidic, Ines Nuić

**Praktikum iz metodike nastave hemije**

University of Sarajevo, 2016;  
ISBN 978-9958-592-77-5  
COBIS.BH-ID 22953478



Emira Kahrović, **Nevzeta Ljubijankić**,

**Praktikum anorganske hemije,**

Faculty of Science, 2011;

ISBN 978-9958-592-20-1  
COBIS.BH-ID 19080454

Participation in conferences

- 2022. *4<sup>th</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH 30.06-02.07
- 2022. *Seventh international scientific and professional conference "5. Juni – svjetski dan zaštite okoliša" Bihac, Bosnia and Herzegovina, June 9 - 10.*
- 2018. *XII International Conference of Chemists, technologists and environmentalists of the Republic of Srpska*, Teslić, BiH 2-3 November.
- 2018. *3<sup>rd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH 19 – 21 October.
- 2018. *6<sup>th</sup> International Scientific Conference „June 5th – World Environment Day“*, Bihac, BiH, 18-19 June.
- 2017. *The fifth scientific-professional meeting with international participation "5. juni - Svjetski dan zaštite okoliša"* Bihac, BiH, June 29 and 30.
- 2016. *2<sup>nd</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina*, Sarajevo, BiH, 21-23 October.
- 2016. *The second scientific-professional meeting with international participation "5. juni - Svjetski dan zaštite okoliša"*, Bihac, Bosna i Hercegovina, June 1 and 2.
- 2015. *The third scientific-professional meeting with international participation "5. juni - Svjetski dan zaštite okoliša"*, Bihac, Bosna i Hercegovina, June 4 and 5.
- 2014. *Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina with International Participation*, Sarajevo, Bosnia and Herzegovina, 10-12 October.
- 2014. *The second scientific-professional meeting with international participation "5. juni - Svjetski dan zaštite okoliša"*, Bihac, Bosna i Hercegovina, June 4 and 5.
- 2012. *IX meeting of young chemical engineers*, Zagreb, Croatia, February 16-17.
- 2007. *15<sup>th</sup> Meeting of Balkan clinical laboratory Federation*, Antalya, Turkey, September 04-07.

## Scientific research papers in journals

1. Veljović E, Osmanović A., Salihović M., **Ljubijankić, N.**, Begić S., Špirtović-Halilović S., (2023). DNA Binding Affinity Assessment of Xanthene Compounds: *in Vitro* and *in Silico* Approach. *Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske*, KUI-13/2023 - Declaration of acceptance. (Web of Science Core Collection: Science Citation Index Expanded)
2. **Ljubijankić, N.**, Šuta, E., Čatić, A., Begić, S., Ljubijankić, S., & Ibragić, S. (2023). Ru (III) Complexes and Their Ligands Derived from Salicylaldehyde and Halogenated Anilines: Synthesis, Characterisation, and Antioxidant Activity. *Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske*, 72(7-8), 455-462. (Web of Science Core Collection: Science Citation Index Expanded)
3. Korać, (R) S., Huremović, J., Žero, S., **Ljubijankić, N.** (2023). Content of Metals in Cow, Sheep and Goat Milk Samples. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 60, 1-6. DOI: 10.35666/2232-7266.2023.60.01 (Web of Science Core Collection: Emerging Sources Citation Index)
4. Pavlović, M., Kahrović, E., Arandelović, S., Radulović, S., Ilich, P., Grgurić-Šipka, S., **Ljubijankić, N.**, Žilic, D., Jurec, J. (2023) Tumor selective Ru(III) Schiff bases complexes with strong *in vitro* activity toward cisplatin-resistant MDA-MB-231 breast cancer cells. *J Biol Inorg Chem* 28, 263–284. DOI:10.1007/s00775-023-01989-0 (Web of Science Core Collection: Science Citation Index Expanded, Current Contents/ Life Sciences, Impact factor: 3.862 for 2023, Q1)
5. Adžemović, S., Aliefendić, S., Mehić, E., Ranica, A., Vehab, I., Alagić, N., Delibašić, Š., Herceg, K., Karić, M., Hadžić, B., Gojak-Salimović, S., **Ljubijankić, N.**, Džepina, K., Ramić, E., Huremović J. (2023) Estimation of atmospheric deposition utilizing lichen *Hypogymnia physodes*, moss *Hypnum cupressiforme* and soil in Bosnia and Herzegovina. *International Journal of Environmental Science and Technology*, 20, 1905–1918, DOI: 10.1007/s13762-022-04133-8 (Web of Science Core Collection: Science Citation Index Expanded, Impact factor 3.519 for 2013.,Q3)
6. Šehović, E., Memić, M., Sulejmanović, J., Hameed, M., Begić, S., **Ljubijankić, N.**, Selović, A., Ghfar, A., Sher, F. (2022). Thermodynamic valorisation of lignocellulosic biomass green sorbents for toxic pollutants removal. *Chemosphere*, 307, DOI: 10.1016/j.chemosphere.2022.135737 (Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Impact factor: 8.943 for 2022, Q1)
7. Ljubijankić, S., Galijašević, S., Plavšić-Davidović, B., Balaban, M., **Ljubijankić, N.** (2022) Synthesis, IR characterization and antioxidant capacity of Cu(II) complexes with amino acids and melatonin. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 58, 19-32. DOI: 10.35666/2232-7266.2022.58.06 (Web of Science Core Collection: Emerging Sources Citation Index)
8. Elma Veljović, Krešimir Molčanov, Mirsada Salihović, Una Glamočlija, Amar Osmanović, **Nevzeta Ljubijankić**, Selma Špirtović-Halilović, (2022) Crystallography and DFT Studies of Synthesized Tetraketones, *Acta Chimica Slovaca*. 69, 243–250. DOI: 10.17344/acsi.2021.7329 (Web of Science Core Collection: Emerging Sources Citation Index, Current Contents Physical, Chemical & Earth Sciences, Impact factor: 1.524 for 2023, Q4)
9. **Ljubijankić, N.**, Galijašević, S. (2020) Synthesis and characterization of Fe(III) complex with thiosemicarbazide-based ligand. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 54, 13-18. DOI: 10.35666/ghtbh.2020.55.03 (Web of Science Core Collection: Emerging Sources Citation Index)



10. Sulejmanović, J., Memić, M., Šabanović, E. and **Ljubijankić, N. (2019)** A tantalum(V) oxide impregnated silica gel surface: application as a promising adsorbent for simultaneous heavy metal preconcentration. *Analytical methods*, 11(48): 6184–6192 DOI: 10.1039/c9ay01974j. (Web of Science Core Collection: Science Citation Index Expanded, Current Contents Agriculture, Biology & Environmental Sciences, Current Contents Physical, Chemical & Earth Sciences, Impact factor: 2.896 for 2019, Q2)
11. Begić, S., **Ljubijankić, N.**, Gojak-Salimović, S. and E. Osmić (2019) Novel complexes of ruthenium(III) with Schiff bases and indazole –synthesis and characterization. *Rasayan J. Chem.*,12(1): 294-299. DOI: 10.31788/RJC.2019.1215112. (Elsevier Scopus, Google Scholar, Chemical Abstracts Service)
12. Pehlić, E., **Ljubijankić, N.**, Jukić, H., Šapčanin, A. and Nanić, H. (2019) Sadržaj teških metala i metaloida u vodi za piće u Unsko-sanskoj županiji Federacije Bosne i Hercegovine. *Kem. Ind.*,68(3-4): 105-109. DOI: 10.15255/KUI.2018.03. (Web of Science Core Collection: Emerging Sources Citation Index)
13. **Ljubijankić, N.**, Begić, S., Ljubović-Dedeić, A., Stanković, M., Salimović-Bešić, I., Jadranin, M., Bencun, B. And Ljubijankić, S. (2018) Antimicrobial and genotoxic activity of novel ruthenium(III) complex with N-phenyl-5-nitrosalicylideneimine. *Rasayan J. Chem.*,11(4): 1511-1518. DOI: 10.31788/RJC.2018.1145021. (Elsevier Scopus, Google Scholar, Chemical Abstracts Service)
14. **Ljubijankić, N.**, Stanković, M., Tešević, V., Grgurić-Šipka, S., Jadranin, M., Begić, S. and Šabanović, E. (2018) Cytokinesis block micronucleus assay in human lymphocytes after exposure to Ru(III) thiosemicarbazone complexes in vitro. *Rasayan J. Chem.*,11(2): 647-652. DOI: 10.7324/RJC.2018.1123004.
15. Cipurković, A., Horozić, E., **Ljubijankić, N.**, Odobašić, A., Galijašević, S. and Saletović, M. (2017) Synthesis and spectral characterization of Fe(II) and Mn(II) complexes with oral fluorouracil pro-drug capecitabine. *Rasayan J. Chem.*,10(4): 1381-1390. DOI: .10.7324/RJC.2017.1041905. (Elsevier Scopus, Google Scholar, Chemical Abstracts Service)
16. **Ljubijankić, N.**, Tešević, V., Grgurić-Šipka, S., Jadranin, M., Begić, S., Buljubašić, L., Markotić, E., Ljubijankić, S., (2016) Synthesis and characterization of Ru(III) complexes with thiosemicarbazide-based ligands. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 47, 1-6. (Chemical Abstract Service)
17. 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. (Chemical Abstract Service)
18. Begić, S., **Ljubijankić, N.** (2016) Synthesis and Characterization of Neutral Ru(III) Complexes Containing Schiff Bases and N-donor Heterocyclic Ligands. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 47, 27-32. (Chemical Abstract Service)
19. **Ljubijankić, N.**, Kučukalić, E., Ljubijankić, S., (2016) Determination of the Daily Rhythm of Cortisol in the Saliva of Women and Men. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 46, 43-46. (Chemical Abstract Service)

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21. **Ljubijankić, N.**, Zahirović, A., Turkušić, E., Kahrović, E., (2013) DNA Binding Properties of Two Ruthenium(III) Complexes Containing Schiff Bases Derived from Salicylaldehyde: Spectroscopic and Electrochemical Evidence of CT DNA Intercalation. *Croat. Chem. Acta*, 86 (2), 215-222. DOI: 10.5562/cca2216. (Web of Science Core Collection: Emerging Sources Citation Index, Current Contents Physical, Chemical & Earth Sciences, Impact factor: 0.556 for 2013)
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