

PERSONAL INFORMATION

Tijana Maksimović



 Dimitrija Tucovića 30A/45, 34000 Kragujevac (Serbia)

 +381 60 6361 327

 tijana.maksimovic@pmf.kg.ac.rs

 tijana.maksimovic16@gmail.com

 <https://orcid.org/0000-0002-3715-958X>

Sex Female | Date of birth 16/02/1992 | Nationality Serbian

WORK EXPERIENCE

17/01/2018-25/02/2021 **Research trainee**
Faculty of Science, Department of Chemistry, Kragujevac (Serbia)

25/02/2021 - present **Research associate**
Faculty of Science, Department of Chemistry, Kragujevac (Serbia),
Chemistry, Analytical chemistry

EDUCATION AND TRAINING

17/01/2018-2/10/2024
Kragujevac (Serbia) **PhD student**
Faculty of Science, Department of Chemistry,

Co-mentor: prof.dr Ljubinka Joksović, associate professor, Faculty of Science, Department of Chemistry, University of Kragujevac

Co-mentor: dr Maja Pagnacco, senior research associate, Institute of chemistry, technology and metallurgy, University of Belgrade

01/10/2016-13/07/2017 **Master Chemist for Research and Development**
Faculty of Science, Department of Chemistry, University of Kragujevac (Serbia)
Optimization of Microwave Extraction for the Isolation of Polyphenolic Compounds from Wild Cherry (*Prunus avium*) Samples

01/10/2011-18/07/2016 **Bachelor Chemist for Research and Development**
Faculty of Science, Department of Chemistry, University of Kragujevac (Serbia)
Spectrophotometric Determination of the Composition and Stability Constants of Gadolinium(III)-Ion and Kaempferol Complexes

25/10/2017-2/10/2024 **PhD in Chemical Sciences**
Faculty of Science, Department of Chemistry, University of Kragujevac (Serbia)
Briggs-Rauscher oscillatory reaction as a method for identification of phosphate-tungsten bronzes

PERSONAL SKILLS

Mother tongue(s) Serbian language

Foreign language(s)

	UNDERSTANDING			SPEAKING		WRITING
	Listening	Reading	Spoken interaction		Spoken production	
English	C2	C2	C1	C1	C1	
German	B1	C1	B1	B1	B2	

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user Common European Framework of Reference for Language

Job-related skills

Tijana Maksimović is engaged in research work in the field of Analytical Chemistry. The subject of her research is the practical application of non-doped and doped phosphate-tungsten bronzes for the determination of analyte concentration, as well as their potential catalytic, anti-radical activity, and antioxidant activity. She is involved in conducting exercises for the courses Separation Methods and Chemistry of Natural and Wastewaters. She actively participates in promoting the Faculty of Science through involvement in Science Festivals, scientific performances, and humanitarian actions, along with her fellow young researchers.

Since 2023, she has been a member of the Serbian Chemical Society branch in Kragujevac. During the 2022/2023 academic year, Tijana mentored a research project titled "What Determines the Color of Fireworks," guiding two students: Antonina Nikolić, an 8th-grade student from "Dragiša Luković Španac" Elementary School, and Nemanja Živanović, a 7th-grade student from "Milutin and Draginja Todorović" Elementary School, who are participants in the Talent Center that operates within the Education Center of the City of Kragujevac. At the National Competition for Talented Students of Primary and Secondary Schools 2023, held at the "Zemun" Technical School in Belgrade on May 27, 2023, Antonina Nikolić won 2nd place and a Special Award for Research Work - 1st place.

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Basic user	Independent user	Basic user	Independent user

Digital skills - Self-assessment grid

MS Office tools, Corel Draw, Power Point, Design Expert, Chem Draw, OriginPro

Driving license B

ADDITIONAL INFORMATION

Conferences

1. Sixteenth Young Researchers' Conference Materials Science and Engineering, Srpska akademija nauka i umetnosti, 6 - 8. decembar, 2017, Beograd, Srbija, „The influence of molybdenum and tungsten bronzes on the Briggs-Rauscher reaction dynamics”, **Tijana V. Maksimović**, Jelena P. Maksimović, Maja C. Pagnacco, Ljubinka G. Joksović, Zoran P. Nedić.
2. 25th Young Research Fellow Meeting, Orleans, University of France, 5– 7. mart, 2018, „Synthesis of alkaline and alkaline earth salts of heteropoly acids and their antimicrobial activity”, **Tijana V. Maksimović**, Vladimir B. Mihailović, Ljubinka G. Joksović, Zoran P. Nedić.
3. The Seventh Serbian Ceramic Society Conference - Advanced Ceramics and Application, Srpska akademija nauka i umetnosti, 17 - 19. septembar, 2018, Beograd, Srbija, „The acceleration of the state I→II transition phenomenon in Briggs-Rauscher reaction with tungsten-phosphate bronzes”, **Tijana V. Maksimović**, Jelena P. Maksimović, Ljubinka G. Joksović, Zoran P. Nedić, Bojan Ž. Janković, Maja C. Pagnacco.
4. 14th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Fakultet za fizičku hemiju, 24 – 28. septembar, 2018, Beograd, Srbija, „Synthesis of calcium doped phosphate tungsten bronze”, **T. V. Maksimović**, J. P. Maksimović, S. Đ. Stojadinović, P. I. Tančić, Z. P. Nedić.
5. 8th International Scientific Conference on Defensive Technologies, Vojnotehnički institut, 11 – 12. oktobar, 2018, Beograd, Srbija, „The Phosphate Tungsten Bronzes Behavior in Oscillatory Reaction: Potential Application for Sensor Technology for Hazardous Cargo Transportation Safety”, **Tijana V. Maksimović**, Ljubinka G. Joksović, Jelena P. Maksimović, Maja C. Pagnacco, Zoran P. Nedić.
6. XXIII Savetovanje o biotehnologiji sa međunarodnim učešćem, Agronomski fakultet u Čačku, 9 - 10. mart, 2018, Srbija, „Optimizacija uslova mikrotalasne ekstrakcije fenolnih jedinjenja ploda divlje

7. Jedanaesta međunarodna naučna konferencija „Savremeni materijali 2018”, Banja Luka, 2 - 3. septembar, 2018, Republika Srpska, „Uticaj kalcijumom dopirane fosfat volframove bronzne na dinamiku Brigs-Raušer reakcije”, Jelena P. Maksimović, **Tijana V. Maksimović**, Ljiljana Z. Kolar-Anić, Zoran P. Nedić, Maja C. Pagnacco.
8. 25th Congress of Chemists and Technologists of Macedonia, 19 – 21. Septembar, 2018, Ohrid, Republika Makedonija, „Unexpected formation of *cis*-[(DMSO)₂ClCu^{II}(μ-Cl)₂Cu^{II}Cl(DMSO)₂] in the reaction of *trans*-[CuCl₂(DMSO)₂] with the thiohydantoin type ligand”, Stanić Petar, Živković Marija, **Maksimović Tijana**, Joksović Ljubinka, ŠmitBiljana.
9. The Eighth Serbian Ceramic Society Conference-Advanced Ceramics and Application, Srpska akademija nauka i umetnosti, 23-25. septembar 2019, Beograd, Srbija, „Is the oscillatory Briggs-Rauscher reaction a new system detector for Li, Na and K doped tungsten-phosphate bronzes?”, **Tijana Maksimović**, Jelena Maksimović, Ljubinka Joksović, Zoran Nedić, Maja Pagnacco.
10. Seventh Conference of the Young Chemists of Serbia, Hemijski fakultet, Univerzitet u Beogradu, 2. Novembar 2019., Beograd, Srbija, „Spectrophotometric determination of the composition and stability constants of the gadolinium(III) ion and kaempherol complex”, **T. Maksimović**, P. Đurđević.
11. Eighteenth Young Researchers' Conference Materials Science and Engineering, Srpska akademija nauka i umetnosti, 4 – 6. Decembar 2019., Beograd, Srbija, „The Briggs-Rauscher reaction as an unusual detector for a different type of bronzes”, **Tijana V. Maksimović**, Jelena P. Maksimović, Tihana M. Mudrić, Zoran P. Nedić, Ljubinka G. Joksović, Zorica D. Mojović.
12. 15th International Conference on Fundamental and Applied Aspects of Physical Chemistry, Fakultet za fizičku hemiju, 22 – 24. Septembar, 2021, Beograd, Srbija, „Synthesis and characterization of new cerium doped phosphate tungsten bronze”, **T. Maksimović**, Lj. Joksović, P. Tančić, J. Maksimović, J. Senčanski, M. Pagnacco, Z. Nedić.
13. Nineteenth Young Researchers' Conference Materials Science and Engineering, Srpska akademija nauka i umetnosti, 1 – 3. Decembar, 2021, Beograd, Srbija, „Synthesis and characterization of new dysprosium doped phosphate tungsten bronze”, **Tijana Maksimović**, Jelena Maksimović, Pavle Tančić, Ljubinka Joksović, Maja Pagnacco, Zoran Nedić.
14. The Teenth Serbian Ceramic Society Conference - Advanced Ceramics and Application X, Srpska akademija nauka i umetnosti, 26 - 27. Septembar, 2022, Beograd, Srbija, „The behavior of cerium doped phosphate tungsten bronze in Briggs-Rauscher oscillatory reaction”, **Tijana Maksimović**, Ljubinka Joksović, Jelena Maksimović, Pavle Tančić, Zoran Nedić, Maja Pagnacco.
15. Eighth Conference of Young Chemists' of Serbia, Hemijski fakultet, Univerzitet u Beogradu, 29. oktobar, 2022, Beograd, Srbija, „Synthesis of new praseodymium doped phosphate tungsten bronze”, **Tijana V. Maksimović**, Jelena P. Maksimović, Pavle I. Tančić, Maja C. Pagnacco.
16. Second International Conference on Advances in Science and Technology – COAST – Faculty of Management, Herceg Novi, Montenegro, 31. Maj – 3. Jun, 2023, „Luminescent properties of praseodymium-doped phosphate tungsten bronze”, Ljubinka Joksović, **Tijana Maksimović**, Rik Van Deun, Dimitrije Mara, Maja Pagnacco.
17. Second International Conference on Advances in Science and Technology – COAST – Faculty of Management, Herceg Novi, Montenegro, 31. Maj – 3. Jun, 2023, „Temperature pattern measurements in Briggs-Rauscher oscillatory reaction with state I to state II transition”, Marina Simović-Pavlović, **Tijana Maksimović**, Jelena Maksimović, Jelena Senčanski, Aleksandra Radulović, Maja Pagnacco.
18. **Tijana Maksimović**, Dimitrije Mara, Rik Van Deun, Ljubinka Joksović, Maja Pagnacco, Luminescent features of cerium doped phosphate tungsten bronze, The Eleventh Serbian Ceramic Society Conference-Advanced Ceramics and Application-ACA XI, September 18-2, 2023, Serbian Academy of Sciences and Arts, Belgrade, Serbia.
19. **Tijana Maksimović**, Ljubinka Joksović, Dimitrije Mara, Rik Van Deun, Zoran Nedić, Marina Simović-Pavlović, Maja Pagnacco, Comparison of the luminescence properties of phosphate-tungsten bronze and cerium doped phosphate-tungsten bronze, Second International Conference on Chemo and Bioinformatics-ICCBKIG, September 28-29, 2023, Kragujevac, Serbia.
20. Marina Simović-Pavlović, **Tijana Maksimović**, Jelena Maksimović, Maja Pagnacco, The comparison of two methods used to observe a nonlinear system: potentiometry and holography, Second International Conference on Chemo and Bioinformatics-ICCBKIG, September 28-29, 2023, Kragujevac, Serbia.
21. **Tijana Maksimović**, Dimitrije Mara, Marina Simović-Pavlović, Maja Pagnacco, The synthesis, characterization, behavior in the Briggs-Rauscher reaction, and photoluminescence properties of newly created phosphate-tungsten bronzes doped with cerium and praseodymium, Ninth Conference of the Young Chemists' of Serbia, University of Novi Sad, Faculty of Science, 4. November, 2023, Novi Sad, Serbia.

22. **Tijana Maksimović**, Marina Simović, Aleksandra Radulović, Maja Pagnacco, The investigation of chitin influence in laser induced deformation of butterfly wings, Ninth Conference of the Young Chemists' of Serbia, University of Novi Sad, Faculty of Science, 4. November, 2023, Novi Sad, Serbia.
23. **Tijana Maksimović**, Dimitrije Mara, Pavle Tančić, Jelena Maksimović, Zoran Nedić, Ljubinka Joksović, Maja Pagnacco, Synthesis and characterization of praseodymium salt of 12-tungstophosphoric heteropoly acid - Pr-PWA, The Twelfth Serbian Ceramic Society Conference-Advanced Ceramics and Application-ACA XII, September 18-20, 2024, Serbian Academy of Sciences and Arts, Belgrade, Serbia.

Publications 1. **Tijana V. Maksimović**, Maja C. Pagnacco, Ljubinka G. Joksović, Jelena P. Maksimović, Zoran P. Nedić, Oscillatory reaction as a system detector for doped and undoped phosphate tungsten bronzes. *Hemijska Industrija*. 5 (72), 2018, 275-283. <https://doi.org/10.2298/HEMIND180402018M>

2. Jelena P. Maksimović, **Tijana V. Maksimović**, Zoran P. Nedić, Maja C. Pagnacco, The minor influence of calcium doped phosphate tungsten bronze on the Briggs-Rauscher reaction dynamics, *Contemporary Materials*, IX-2, 2018, 184-189. <https://doi.org/10.7251/COMEN1802184M>

3. **Tijana V. Maksimović**, Jelena P. Maksimović, Pavle I. Tančić, Nebojša I. Potkonjak, Zoran P. Nedić, Ljubinka G. Joksović, Maja C. Pagnacco, A possible connection between phosphate tungsten bronzes properties and Briggs-Rauscher oscillatory reaction response, *Science of Sintering*, 53, 2021, 223-235. <https://doi.org/10.2298/SOS2102223M>

4. **Tijana Maksimović**, Pavle Tančić, Jelena Maksimović, Dimitrije Mara, Marija Ilić, Rik Van Deun, Ljubinka Joksović, Maja Pagnacco, Novel cerium and praseodymium doped phosphate tungsten bronzes: Synthesis, characterization, the behavior in the Briggs-Rauscher reaction and photoluminescence properties. *Optical Materials*. 2023, 143, 114125. <https://doi.org/10.1016/j.optmat.2023.114125>

Projects „Sinteza, modelovanje, fizičko-hemijske i biološke osobine organskih jedinjenja i odgovarajućih kompleksa metala“, OI172016.

Courses 1. CPD courses: School of gas chromatography/mass spectrometry (July 2-3, 2018), School of practical application of high-performance liquid chromatography (July 9, 2018), School of mass spectrometry primary and secondary metabolites (September 20, 2018)

2. TeComp – Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences, Stručni seminar – Univerzitetska nastava – Može li efikasnije? Izazovi pre, tokom i posle pandemije, Prirodno-matematički fakultet Kragujevac, Univerzitet u Kragujevcu, 28.4.2022. godine.

3. Prezentacija o Green Tech Startup Programu u oblasti inovativnih tehnologija i zelene ekonomije, Prirodno-matematički fakultet Kragujevac, Univerzitet u Kragujevcu, 23.2.2023.

4. Инфо дан о конкурсима за пројекте у оквиру програма Еразмус + и Хоризонт Европа, Prirodno-matematički fakultet u Kragujevcu, Univerzitet u Kragujevcu, 7.2.2023. godine.

Certificates 1. Certificate of Completion for successfully completing 25 hours of the New Career Program. The program was supported by the United States Embassy in Belgrade.