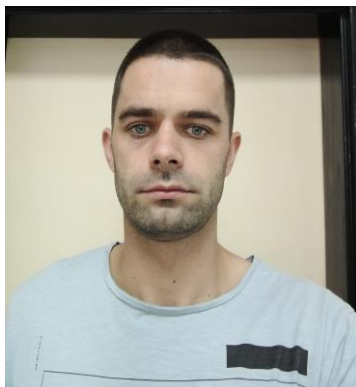


PERSONAL INFORMATION

Marko Radovanovic



📍 University of Kragujevac, Faculty of Sciences, Department of Chemistry
Radoja Domanovića 12, 34000 Kragujevac, Serbia

✉ marko.radovanovic@pmf.kg.ac.rs

☎ +381336223, local 353 📞 +381656379077

Gender Male | Date of birth 29 /04/1992 | Nationality Serbian

WORK EXPERIENCE

(2022 -) **Research Associate**

Institute of Chemistry, Faculty of Science, University of Kragujevac, Serbia

(2018-2022) **Research Trainee**

Institute of Chemistry, Faculty of Science, University of Kragujevac, Serbia

Research work: Synthesis of rhodium(III) complexes with polyaminopolycarboxylate-type ligands, structural and theoretical characterization and evaluation of the ligand field of the complex. Experimental characterization of the obtained complexes using X-Ray, NMR, UV-Vis and IR spectroscopy. Theoretical prediction of properties and characteristics of complexes and estimation of their potential biological activities by means of chemical software.

Teaching: Successful implementation of practical teaching in the subjects Selected Chapters of Chemistry for Ecologists, General Chemistry and Quality System.

Membership in chemical organizations: Member of the Serbian Chemical Society

EDUCATION

(2018 -) **Doctoral Academic Studies – Inorganic Chemistry**

Institute of Chemistry, Faculty of Science, University of Kragujevac, Serbia

(2017-2018) **Master of Academic Studies**

Institute of Chemistry, Faculty of Science, University of Kragujevac, Serbia

(2011 - 2017) **Undergraduate Academic Studies**

Institute of Chemistry, Faculty of Science, University of Kragujevac, Serbia

(2007 - 2011) **High School**

First Kragujevac Gymnasium

(1999 - 2007) **Basic school**

Milutin and Draginja Todorovic

PERSONAL SKILLS

Native language Serbian
Second language English B2

- Communication Abilities
- Good communication skills acquired through collaboration with colleagues and through working with students
- Computer skills
- Excellent command of Microsoft Office™ tools
 - Excellent knowledge of chemical software (Gaussian, Mopac, CCDC, MOE, ADF)
- Organizational Ability
- Member of the Organizing Committee of the 57th Conference of the Serbian Chemical Society in Kragujevac on October 2 and 3, 2020.
 - Member of the Organizing Committee of the XXVII Conference of the Serbian Crystallographic Society in Kragujevac on September 16 and 17, 2021.

Additional information

- Projects:
- (2018 -2019) Participant of the project entitled "Preclinical Studies of Bioactive Substances No. III 41010, financed by the Ministry of Education, Science and Technological Development of the Republic of Serbia

- References:
- Marina Mitrović, Maja B. Djukić, Milena Vukić, Ivana Nikolić, **Marko D. Radovanović**, Jovan Luković, Ignjat P. Filipović, Sanja Matić, Tijana Marković, Olivera R. Klisurić, Suzana Popović, Zoran D. Matović, Marija S. Ristić
Search for new biologically active compounds: *In vitro* studies of antitumor and antimicrobial activity of dirhodium(II,II) paddlewheel complexes.
Dalton Transactions (2024), vol. 53, 9330-9349; DOI: 10.1039/D4DT01082E. ISSN: 1477-9226; **M21**.
 - **Marko D. Radovanović**, Marija S. Ristić, Matija Zlatar, Frank W. Heinemann, Zoran D. Matović
New rhodium(III)–ED3AP complex: Crystal structure, characterization and computational chemistry.
Journal of the Serbian Chemical Society (2022), vol. 87(5), 561–573. DOI: 10.2298/JSC211230003R; ISSN: 0352-5139; **M23**.
 - Marija S. Jeremić, **Marko D. Radovanović**, Olivera R. Klisurić, Svetlana K. Belošević, Zoran D. Matović
Synthesis and characterization of the *trans*(O6) isomer Ni(II) complex containing symmetrical edta-type ligand with mixed carboxylate and diamine rings: Quantum-mechanical evaluation of different isomers.
Inorganica Chimica Acta (2019), vol. 495, Article number 118954. DOI: 10.1016/j.ica.2019.118954; ISSN: 0020-1693; **M22**.

- Marija S. Jeremić, **Marko D. Radovanović**, Frank W. Heinemann, Miorad M. Vasojević, Zoran D. Matović
Structural and theoretical investigations of the Rh(III) and Co(III) complexes containing symmetrical edta-type ligands with mixed carboxylate and diamine rings: Quantum-mechanical/NBO insight into stability of geometrical isomers.
Polyhedron (2019), vol. 169, 89-101. DOI: 10.1016/j.poly.2019.04.053; ISSN: 0277-5387; **M22**.
- Marija S. Jeremić, **Marko D. Radovanović**, Franco Bisceglie, Vesna V. Kojić, Ratomir Jelić, Zoran D. Matović
Rhodium(III) in a cage of the 1,3-propanediamine-*N,N,N*-triacetate chelate: X-ray structure, solution equilibria, computational study and biological behavior.
Polyhedron (2018), vol. 156, 19-30. DOI: 10.1016/j.poly.2018.08.075; ISSN: 0277-5387; **M22**.

- Conferences:
- M. B. Đukić, M. S. Ristić, D. Lj. Stojković, I. P. Filipović, **M. D. Radovanović**, I. Ž. Jakovljević, Z. D. Matović
Synthesis, characterization and HSA interactions of new [PdL2CL2] complex.
3th International Conference on Advances in Science and Technology, COAST 2024, Herceg Novi, Montenegro 2024. p. 384-389. ISBN: 978-9940-611-07-1. M33
 - **M. D. Radovanović**, I. Filipović, M. Đukić, M. Ristić, I. Jakovljević, Z.D. Matović
Molecular docking study of ruthenium-*p*-cymene complexes with isothiazole derivatives as SARS-CoV-2 main protease inhibitors.
2nd International Conference on Chemo and Bioinformatics, September 28-29, 2023. Kragujevac, Serbia, p. 387-390. ISBN 978-86-82172-02-4. M33
 - **M. D. Radovanović**, I. Filipović, M. Đukić, M. Ristić, M. Zlatar, Z.D. Matović
Relativistic DFT calculation and their effect on the accuracy of results.
2nd International Conference on Chemo and Bioinformatics, September 28-29, 2023. Kragujevac, Serbia, p. 653-656. ISBN 978-86-82172-02-4. M33
 - I. P. Filipović, **M. D. Radovanović**, M. B. Đukić, O. R. Klisurić, D. Lj. Stojković, M. S. Ristić, Z. D. Matović
Synthesis and crystal structure of [Rh2(CH3COO)4(N-Bulm)] complex.
XXVIII Konferencija SKD - 28th Conference of the Serbian Crystallographic Society, Čačak 2023, Serbia, p. 32-33. ISBN: 978-86-912959-6-7. M64
 - M. S. Ristić, M. B. Djukić, I. P. Filipović, **M. D. Radovanović**, Z. D. Matović, Synthesis, characterization and HSA/DNA interactions of new [Rh2(CH3COO)4L2] complex.
2nd International Conference on advances in science and technology, COAST 2023, Herceg Novi, Montenegro 2023. p. 359-369. ISBN: 978-9940-611-05-7. M33
 - M. B. Đukić, M. S. Ristić, I. P. Filipović, **M. D. Radovanović**
Synthesis and characterization of new [Ru(η⁶-*p*-cymene)Cl2(L)] complex.
8. Konferencija mladih hemicara Srbije - 8th Conference of Young Chemists of Serbia, Belgrade 2022, Serbia, p. 74. ISBN: 978-86-7132-080-1. M64
 - I. P. Filipović, **M. D. Radovanović**, M. B. Đukić, M. S. Ristić
Molecular docking of porphyrin-like complexes to SARS-CoV-2 main protease
8. Konferencija mladih hemicara Srbije - 8th Conference of Young Chemists of Serbia, Belgrade 2022, Serbia, p. 140. ISBN: 978-86-7132-080-1. M64
 - **M.D. Radovanović**, M. Ristić, M. Đukić, I. Filipović, F. W. Heinemann, Z. Matović
Synthesis and crystal structure of cis-equatorial-Na[Rh(Hed3ap)Cl]·2.22H₂O complex.
XXVII Konferencija SKD - 27th Conference of the Serbian Crystallographic Society, Kragujevac 2021, Serbia, p. 50-51. ISBN: 978-86-6009-085-2.