

LIČNE INFORMACIJE

Marija Ristić



 Prirodno-matematički fakultet, Univerzitet u Kragujevcu, Srbija
 Radoja Domanovića 12, 34000 Kragujevac, Serbia

 marija.jeremic@pmf.kg.ac.rs;
mjeremic@kg.ac.rs

Pol Ženski | Datum Rođenja 15/09/1984 | Nacionalnost Srpska

RADNO ISKUSTVO

(2020- trenutno)

Naučni saradnik

Institut za hemiju, Prirodno-matematički fakultet, University u Kragujevcu, Srbija
<https://www.pmf.kg.ac.rs/?id=342>

(2013-2019)

Istraživač saradnik

Institut za hemiju, Prirodno-matematički fakultet, University u Kragujevcu, Srbija
<https://www.pmf.kg.ac.rs/?id=342>

(2011-2013)

Istraživač pripravnik

Institut za hemiju, Prirodno-matematički fakultet, University u Kragujevcu, Srbija
<https://www.pmf.kg.ac.rs/?id=342>

Istraživački rad:

Sinteza i karakterizacija kompleksa rodijuma(III), hroma(III) i nikla(II) sa ligandima poliaminopolikarboksilatnog tipa, strukturalna i kompjutaciona istraživanja, ispitivanje biološke aktivnosti liganada i kompleksa rodijuma(III). Sinteza kompleksa rodijuma(II) i rutenijum(II)-*p*-cimenena sa heterocikličnim ligandima imidazolskog, tiazolskog i izotiazolskog tipa, strukturalna i kompjutaciona istraživanja, karakterizacija sintetisanih kompleksa primenom X-Ray analize, NMR, UV-Vis i IR spektara, ispitivanje biološke aktivnosti liganada i kompleksa, kao i njihovih interakcija sa molekulima DNK i HSA.

Nastavni rad:

:Istraživačko-obrazovno izvođenje vežbi sa studentima prve i treće godine hemije, prve i treće godine biologije i ekologije i master studentima hemije.

OBRAZOVANJE

(2010-2019)

Doktorske akademske studije hemije – Neorganska hemija

Institut za hemiju, Prirodno-matematički fakultet, University u Kragujevcu, Srbija
<https://www.pmf.kg.ac.rs/?id=342>

Naslov disertacije: "Sinteza i biološka aktivnost Rh(III) kompleksa sa ligandima poliaminopolikarboksilatnog tipa"

(2004-2010)

Osnovne akademske studije hemije

Institut za hemiju, Prirodno-matematički fakultet, University u Kragujevcu, Srbija
<https://www.pmf.kg.ac.rs/?id=342>

LIČNE VEŠTINE

Komunikacione sposobnosti

• Dobre komunikacione veštine stečene kroz saradnju sa kolegama i kroz rad sa studentima na skoro

Kompjuterske veštine	svim nivoima studija (osnovne/master studije). <ul style="list-style-type: none">• Odlično vladanje Microsoft Office™ alatima• Odlično vladanje hemijskim softverima
Matemji jezik	Srpski
Drugi jezici	Engleski, ruski

DODATNE INFORMACIJE

- Projekti:**
- (2011-2019) Učesnik projekta pod nazivom "Preklinička ispitivanja bioaktivnih supstanci" Br. III 41010, finansiran od strane Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije
 - (2016-2019) Učesnik ERASMUS + projekta ("NetChem :: ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry education")
 - (2010-2013) Učesnik TEMPUS projekta: "Modernisation of Post Graduate Studies in Chemistry and Chemistry Related Programmes, 511044-TEMPUS-1-2010-1-UK-TEMPUS-JPCR"
- Publikacije:**
- Radovi:**
- Milena D. Vukić, Jovica Branković, **Marija S. Ristić**
GC, GC/MS analysis, and biological effects of *Citrus aurantium amara* essential oil.
Acta Horticulturae et Regiotecturae (2023), vol. 26, 21-27; DOI: 10.2478/ahr-2023-0004.
ISSN: 1335-2563; **M24**.
 - 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**.
 - Maja B. Đukić, **Marija S. Jeremić**, Ignjat P. Filipović, Olivera R. Klisurić, Vesna V. Kojić, Dimitar S. Jakimov, Ratimir M. Jelić, Valentina Onnis, Zoran D. Matović
Synthesis, characterization, HSA/DNA interactions and antitumor activity of new $[Ru(\eta^6\text{-}p\text{-cymene})Cl_2(L)]$ complexes.
Journal of Inorganic Biochemistry (2020), vol. 213, Article number 111256. DOI: 10.1016/j.jinorgbio.2020.111256; ISSN: 0162-0134; **M21**.
 - Maja B. Djukić, **Marija S. Jeremić**, Ignjat P. Filipović, Olivera R. Klisurić, Ratimir M. Jelić, Suzana Popović, Sanja Matić, Valentina Onnis, Zoran D. Matović
Ruthenium(II) complexes of isothiazole ligands: Crystal structure, HSA/DNA interactions, cytotoxic activity and molecular docking simulations.
Chemistry Select (2020) vol. 5, 11489-11502; DOI: 10.1002/slct.202002670; ISSN: 2365-6549; **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**.
 - Maja Djukić, **Marija S. Jeremić**, Ratimir Jelić, Olivera Klisurić, Vesna Kojić, Dimitar Jakimov, Predrag Djurdjević, Zoran D. Matović

Further insights into ruthenium(II) piano-stool complexes with *N*-alkyl imidazoles. *Inorganica Chimica Acta* (2018), vol. 483, 359-370. DOI: 10.1016/j.ica.2018.08.031; ISSN: 0020-1693; **M22**.

- **Marija S. Jeremić**, Marko D. Radovanović, Franco Bisceglie, Vesna V. Kojić, Ratimir 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**.
- **Marija S. Jeremić**, Hubert Wadepohl, Vesna V. Kojić, Dimitar S. Jakimov, Ratimir Jelić, Suzana Popović, Zoran D. Matović, Peter Comba
Synthesis, structural analysis, solution equilibria and biological activity of rhodium(III) complexes with a quinque dentate polyaminopolycarboxylate. *RSC Advances* (2017) vol. 7, 5282-5296. DOI: 10.1039/c6ra26199j; ISSN: 2046-2069; **M21**.
- Svetlana Belošević, Miorad M. Vasojević, **Marija S. Jeremić**, Auke Meetsma, Zoran D. Matović
Preparation, configurational and DFT-NBO analysis of nickel(II) complexes with edta-type ligands containing six-membered backbone ring: Crystal structure of [Ni(H₂O)₆][Ni(1,3-pdta)]·2H₂O. *Journal of Coordination Chemistry* (2013), vol. 66, 1730-1745. DOI: 10.1080/00958972.2013.789104; ISSN: 0095-8972; **M22**.
- Zoran D. Matović, **Marija S. Jeremić**, Ratimir M. Jelić, Matija Zlatar, Ivan Ž. Jakovljević
Configurational, LFDFT and NBO analysis of chromium(III) complexes of edta-type ligands. *Polyhedron* (2013), vol. 55, 131-143. DOI: 10.1016/j.poly.2013.02.079; ISSN: 0277-5387; **M22**

Konferencije:

- Ignjat P. Filipović, Marko D. Radovanović, Maja B. Đukić, Olivera R. Klisurić, Danijela Lj. Stojković, **Marija S. Ristić**, Zoran D. Matović
Synthesis and crystal structure of [Rh₂(CH₃COO)₄(*N*-Bulm)] complex. XXVIII Konferencija SKD - 28th Conference of the Serbian Crystallographic Society, Kragujevac 2023, Serbia, p. 32-33. ISBN: 978-86-912959-6-7. **M64**
- **Marija S. Ristić**, Maja B. Djukić, Ignjat P. Filipović, Marko D. Radovanović, Zoran D. Matović, Synthesis, characterization and HSA/DNA interactions of new [Rh₂(CH₃COO)₄L₂] complex. 2. Međunarodna konferencija o napretku u nauci i tehnologiji - 2nd International Conference on advances in science and technology, COAST 2023, Herceg Novi, Montenegro 2023. p. 54. ISBN: 978-9940-611-05-7. **M33**
- Maja B. Đukić, **Marija S. Ristić**, Ignjat P. Filipović, Marko 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**
- Ignjat P. Filipović, Marko D. Radovanović, Maja B. Đukić, **Marija 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**
- Marko Radovanović, **Marija Ristić**, Maja Đukić, Ignjat Filipović, Frank W. Heinemann, Zoran 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. **M64**
- **Marija Jeremić**, Zoran Matović, Emina Mrkalić, Peter Comba, Hubert Wadepohl
Synthesis and crystal structure of *cis*-equatorial-aquaethylenediamine-*N,N,N'*-triacetatorhodium(III) monohydrate, [Rh(ed3a)H₂O]xH₂O
XXII Konferencija SKD – 22nd Conference of the Serbian Crystallographic Society, 2015, Smederevo, Serbia, p. 52-53. ISBN: 978-86-912959-2-9. **M64**
- **Marija S. Jeremić**, Peter Comba, Hubert Wadepohl
Synthesis and crystal structure of *cis*-equatorial-sodium(ethylenediamine-*N,N,N'*-triacetato)chloridorhodate(III) monohydrate, Na[RhCl(ed3a)]·H₂O

XXI Konferencija SKD - 21st Conference of the Serbian Crystallographic Society, 2014, Užice, Serbia, p. 76-77. ISBN: 978-86-912959-1-2. **M64**

- Marina Ćendić, Maja B. Đukić, Emina M. Mrkalić, **Marija S. Jeremić**, Zoran D. Matović
Management of municipal and industrial waste in the city of Kragujevac.
The 6th symposium of chemistry and environmental protection – ENVIROCHEM 2013, Vršac, Serbia, p.154-155. ISBN: 978-86-7132-052-8. **M34**