

PERSONAL INFORMATION

Marina Cendic



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Passport number: 008612739, Code: SRB

Sex Female | Date of birth 04/03/1985 | Nationality Serbian

WORK EXPERIENCE

Marina Cendic works at Faculty of Science, University of Kragujevac since 2008 and now.

Junior Researcher (2008-2013), Research Associate (2013-2016) and Assistant Researcher (2017)

Faculty of Science, Kragujevac (Radoja Domanovica 12, 34000, www.pmf.kg.ac.rs)

Researching work: synthesis of copper(II) complexes of polyaminopolycarboxylate ligands: especially propanediamine systems and ethylenediamine series as well, studying structural and computational analysis and further testing these compounds *in vivo* on rats with aim to produce new edta ligands which will serve as drugs in treatment of Alzheimer's, Wilson's diseases and related.

Educational work: Researching and educational performance of exercises with students on the first and the second year of chemistry and ecology, as well as third-year of students and master students of chemistry.

EDUCATION AND TRAINING

Primary basic school (1992-2000)

Secondary school (2000-2004)

Basic studies, Faculty of Science, University of Kragujevac (2004-2008)

Graduated Chemist of Environmental protection Faculty of Science, University of Kragujevac (2008)

Doctoral studies at Department of Chemistry, Faculty of Science, University of Kragujevac (2008-2017)

Was in Group of professor Robert J. Deeth in 2012 as part of PhD studies, University of Warwick, England

Defended doctoral thesis under the title: "CHELATING PROPERTIES OF EDTA-TYPE LIGANDS IN RELATION TO COPPER (II) – THE POSSIBLE APPLICATION IN NEUROTOXIC DISORDERS" (2017)

PERSONAL SKILLS

Good computer skills

Mother tongue(s)

Serbian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Communication skills** Good communication skills gained through my collaboration with colleagues and through my work with students at almost every level (basic/master studies).
- Organisational / managerial skills** One of the coordinator and financial administrator of TEMPUS project (**Title of the project: "Modernisation of Post Graduate Studies in Chemistry and Chemistry Related Programmes, 511044-TEMPUS-1-2010-1-UK-TEMPUS-JPCR") (2010-2013)**
One of the coordinator and financial administrator of ERASMUS project (**Title of the project: "ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education" (2016-)**)
- leadership (currently responsible for a team of over 10 people including administrative and financial business)
 - one of the organizers of the campaign in the framework of cooperation with FIAT company with the aim of disposal of hazardous and non-hazardous waste.
- Job-related skills** Good organizer and promoter of CPD courses (courses of professional development) in field of environmental protection.
- Computer skills** Excellent command of Microsoft Office™ tools
Good command of Chemistry software (Hyperchem, Gaussian, DFT etc.)
Acquired at Faculty of Science, Kragujevac, Serbia and at University of Warwick, England.
- Driving licence** B category

ADDITIONAL INFORMATION

Publications (References)

Svetlana Belošević, Marina Ćendić, Maja Đukić, Miorad Vasojević, Auke Meetsma, Zoran D. Matović

Crystal structure, configurational and density functional theory analysis of nickel(II) complexes with pentadentate 1,3-pd3a-type ligands, Inorganica Chimica Acta, 399, 146-153 (2013)

Svetlana Belošević, Marina Ćendić, Zoran D. Matović, Auke Meetsma

Crystal structure, configurational and DFT-NEDA analysis of nickel(II) complexes with pentadentate ed3a-type ligands, Polyhedron 50, 473-480 (2013)

Zoran D. Matović, Vesna D. Miletić, Marina Ćendić, Auke Meetsma, Petra J. van Koningsbruggen, Robert J. Deeth

Synthetic, Crystallographic, and Computational Study of Copper(II) Complexes of Ethylenediaminetetracarboxylate Ligands, Inorganic Chemistry, 52 (3), 1238-1247 (2013)

Marina Ćendić, Zoran D. Matović and Robert J. Deeth

Molecular Modeling for Cu(II)-Aminopolycarboxylate Complexes: Structures, Conformational Energies and Ligand Binding Affinities, Journal of Computational Chemistry, 34 (31), 2687-2696 (2013)

Marina Ćendić, Robert J. Deeth, Auke Meetsma, Eugenio Garrriba, Daniele Sanna, Zoran D. Matović

Chelating properties of EDTA-type ligands containing six-membered backbone ring toward copper ion: Structure, EPR and TD-DFT evaluation, Polyhedron, 124 215-228 (2017) M22

Projects

- Title of the project: **"Preclinical tests of bioactive substances"** (III 41010) (2011-now) member and researcher
- Title of the project: **"Modernisation of Post Graduate Studies in Chemistry and Chemistry Related Programmes, 511044-TEMPUS-1-2010-1-UK-TEMPUS-JPCR"** (2010-2013) **financial administrator and one of the coordinator**
- Title of the project: **"ICT Networking for Overcoming Technical and Social Barriers in Instrumental Analytical Chemistry Education"** **financial administrator and one of the coordinator (2016-now)**

Conferences

Marina Ćendić, Emina Mrkalić, dr Zoran Matović, mr Vesna Matović, dr Vesna Miletić, **Globalno zagrevanje i lokalni ekološki akcioni plan grada Kragujevca**, 5. Nacionalna konferencija o kvalitetu života, 2010, Kragujevac

Matović, V. Miletić, M. Ćendić, E. Mrkalić, P. van Koningsbruggen, A. Meetsma, **Structure and DFT analyse of complexe [Ni(H₂O)₆][Ni(ed3a)(H₂O)]₂·2H₂O**, XVII Konferencija srpskog kristalografskog društva, 2010, Ivanjica

Z.D. Matović, V.D. Miletić, E.M. Mrkalić, M.S. Ćendić, G. Bogdanović, V. Kojić, **Molecular Modeling, Structure and Antitumor Activity of Pd(II) complexes with carboxylate derivates of oxalic and malonic acid diamides**, 10th European Biological Inorganic Chemistry Conference, 2010, Thessaloniki, Greece

Žižić J, Ćurčić M, Obradović A, Mrkalić E, Matović Z, Ćendić M, Djurdjević P, Živić D, Marković S. **"Evaluation of antiproliferative activity of new palladium complexes and mechanism of cell death on HCT-116 and MDA-MB-231 cell lines"** Scientific Conference with International Participation "Preclinical Testing of Active Substances and Cancer Research", Kragujevac 2011, p13. ISBN 978-86-7760-064-8

Zoran D. Matović, Marina S. Ćendić, Maja B. Đukić, Svetlana K. Belošević, Auke Meetsma, Petra J. van Koningsbruggen **"Synthesis and characterization of Nickel(II) complex with unsymmetrical pentadentate, H₃pd3a ligand"** FIRST INTERNATIONAL CONFERENCE OF YOUNG CHEMISTS OF SERBIA, 2012, Belgrade, Serbia

- Awards**
- Award for the best oral presentation entitled: **Structure and DFT analyse of complex** $[\text{Ni}(\text{H}_2\text{O})_6][\text{Ni}(\text{ed3a})(\text{H}_2\text{O})_2] \cdot 2\text{H}_2\text{O}$, XVII Conference of Serbian Chemical Society, 2010, Ivanjica
 - Award from Serbian Chemical Society for outstanding achievement during studies

- Memberships**
- Member of Serbian Chemical Society