

## PERSONAL INFORMATION

## Maja Đukić



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Sex Male | Date of birth 22/05/1987 | Nationality Serbian

## WORK EXPERIENCE

2012 - 2015. Research Trainee, Faculty of Science, University of Kragujevac (Scholar of the Ministry of Education, Science and Technological Development)

2015 - Research assistant, Faculty of Science, University of Kragujevac

## Research work

Synthesis of complexes of ruthenium(II) with a heterocyclic ligands. Characterization of synthesized complex EEG X-Ray analysis, microanalysis, IR, NMR and UV spectra. Testing of biological activity on certain cell lines. Interaction of synthesized complexes with DNA.

## Courses

## COURSES:

> The Fundamentals of Chemistry (Bachelor studies, the Study Group Biology and Ecology, compulsory course)

> Quality System (Basic academic studies, Study Group Chemistry for the Environment, a compulsory subject)

> The Industrial Contaminants (Bachelor studies, the Study Group Biology and Ecology, elective course)

## Education

Primary school "Vuk Karadžić" Pirot (1994-2002)

High school Mlekarska škola sa domom učenika "Dr Obren Pejić" Pirot (2002-2006)

Graduate chemist for Environmental protection, 2011. Faculty of Sciences, University of Kragujevac, Study Group: Chemist Environmental Protection (2006-2011)

PhD Inorganic chemistry, Faculty of Science, University of Kragujevac (2011 - )

## Personal skills

English language – read, write and conversation

Greek language - read, write and conversation – basic level

Excellent computer skills  
Driving licence B

Communication skills    Excellent communications skills

Organisational / managerial skills    Excellent organisational skills:  
Organisation of Course of professional development in Environmental protect  
Member of organisation 7<sup>th</sup> Symposium Chemistry and Environmental Protection – EnviroChem  
2015 Palic, Serbia  
Member of organisation 53<sup>rd</sup> Meeting of the Serbian Chemical Society Kragujevac, Serbia 2016.

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Digital competence    Excellent command of office suite (word processor, spread sheet, presentation software, Microsoft Office™, Corel Draw, Adobe Reader, Photoshop...)  
Good command of photo editing software gained as an amateur photographer  
Good command of chemistry software (Hyperchem, Platon, Mercury...)

References

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## Papers

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) M22*

Conferences  
Oral presentation:

**M. B. Đukić**<sup>a</sup>, M. Ćendić<sup>a</sup>, Z. D. Matović<sup>a</sup>, S. K. Belošević<sup>b</sup>, O. Klisurić<sup>c</sup> "CRYSTAL STRUCTURE AND ANALYSIS OF COMPLEX *TRANS*(O<sub>6</sub>)-[Ba(H<sub>2</sub>O)<sub>4</sub>][Ni(pddadp)]·4H<sub>2</sub>O" 21st CONFERENCE OF THE SERBIAN CRYSTALLOGRAPHIC SOCIETY, 2014. Užice, Serbia **M64**

## Poster presentations:

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, H<sub>3</sub>pd3a ligand" FIRST INTERNATIONAL CONFERENCE OF YOUNG CHEMISTS OF SERBIA, 2012, Belgrade, Serbia **M34**

Marina Ćendić, **Maja B. Đukić**, Emina M. Mrkalić, Marija S. Jeremić, Zoran D. Matović "Upravljanje komunalnim i industrijskim otpadom na teritoriji grada Kragujevca" THE 6<sup>TH</sup> SYMPOSIUM CHEMISTRY AND ENVIRONMENTAL PROTECTION – ENVIROCHEM 2013 Vršac, Serbia **M34**

**M. B. Đukić**, M. Ćendić, Z. D. Matović, O. Klisurić, SYNTHESIS, CHARACTERIZATION AND CRYSTAL STRUCTURE OF COMPLEX [Ru( $\eta^6$ -*p*-cymene)Cl<sub>2</sub>(5-MAPyCN-ITZ)]·H<sub>2</sub>O 22<sup>nd</sup> CONFERENCE OF THE SERBIAN CRYSTALLOGRAPHIC SOCIETY, 2015. Smederevo, Serbia **M34**

**Maja B. Đukić**, Zoran D. Matović Synthesis and characterization of [Ru( $\eta^6$ -*p*-cymene)Cl(*N*-*PrIm*)<sub>2</sub>][Ru( $\eta^6$ -*p*-cymene)] complex THIRD CONFERENCE OF YOUNG CHEMISTS OF SERBIA, 2015, Belgrade, Serbia **M34**

**Maja B. Đukić**, Zoran D. Matović, O. Klisurić, Synthesis, characterization and crystal structure of complex [Ru( $\eta^6$ -*p*-cymene)Cl<sub>2</sub>(5-MA-3-MorphCN-ITZ)] 23<sup>rd</sup> CONFERENCE OF THE SERBIAN CRYSTALLOGRAPHIC SOCIETY, 2016. Andrijevica, Serbia

**Maja B. Đukić**, O. Klisurić, Zoran D. Matović, Synthesis, characterization and crystal structure of [Ru( $\eta^6$ -*p*-cymene)(*N*-MeIm)<sub>3</sub>]Cl<sub>2</sub>·2H<sub>2</sub>O complex FOURTH CONFERENCE OF YOUNG CHEMISTS OF SERBIA, 2016, Belgrade, Serbia

- Project** Scholar of the Ministry of Education, Science and Technological Development (2012-2016) and Researcher – Associate Project: "Preclinical testing of bioactive substances" (III 41010) (2016-present).
- Participant on TEMPUS project: "Modernisation of Post Graduate Studies in Chemistry and Chemistry Related Programmes, 511044-TEMPUS-1-2010-1-UK-TEMPUS-JPCR" (2010-2013)
- Volunteer project "Local Environmental Action Plan of Kragujevac" (2010-2014).

**Awards**

- Award for student generations of High school , 2006.
- Award of His Royal Highness Crown Prince Aleksandar for the success achieved in high school.
- Serbian Chemical Society Award for the success achieved during undergraduate studies.

- Memberships** Member of Serbian Chemical Society.