CURRICULUM VITAE- Đorđe Petrović

PhD student of the Faculty of Science, University of Kragujevac, Junior research assistant Đorđe S. Petrović, was born on 2rd August 1992 in Kragujevac. He graduated Master studies in Chemistry in 2018 under the supervision of Professor Verica V. Jevtić at the Department of Chemistry, Faculty of Science, University of Kragujevac, Serbia.

Contact:

Address: Faculty of Science, University of Kragujevac, Radoja Domanovića 12, 34000 Kragujevac, Serbia
Phone: +(381) 34 300 263
Fax: +(381) 34 335 040
E-mail: djordje.petrovic@pmf.kg.ac.rs, petrovicdjordje992@gmail.com

Education:

2011 - 2017 - *Bachelor`s degree in Chemistry*, Department of Chemistry, Faculty of Science, University of Kragujevac, Kragujevac, Serbia;
2017 - 2018 - *Master`s degree in Chemistry*, Department of Chemistry, Faculty of Science, University of Kragujevac, Kragujevac, Serbia;

PhD in Chemistry: *(Mentor: Professor Verica V. Jevtić)**:*** Department of Chemistry, Faculty of Sciences, University of Kragujevac, Serbia, 2018 -

Scientific Background

2019 – present – Junior research assistant, Department of Chemistry, Faculty of Science, University of Kragujevac, Kragujevac, Serbia;

Research interest

Coordination chemistry

- Coordination chemistry, synthesis of new propylenediamine derivatives of amino acids as bidentate, tridentate and tetradentate ligands and their transition metal complexes (copper(II), zinc(II), palladium(II), platinum(II), platinum(IV), silver(I) and gold(III)).
- Structural characterization of metal complexes by applying different spectroscopic methods and X-ray crystallography;

- Testing of biological activity (antitumor-MTT colorimetric technique and antimicrobial-microdilution method with resazurin) of ligands precursors and corresponding transition metal complexes;
- Follow-up of substitution reactions in the presence of guanosine-5'-monophosphate, as well as CT-DNK (DNA from thymus chest);

Relevant Publications*:*

1. **Jovičić Milić SS**, Jevtić VV, Stojković DLj, Petrović ĐS, Avdović EH, Marković ZS, Radojević ID, Čomić Lj, Mladenović VS. Synthesis, characterization and antimicrobial activity of palladium(II) complexes with *O,O'*-dialkyl esters of (*S,S*)-ethylenediamine-*N,N'*-di-(3,3′-1H--indol-3yl)-propionic acid, Inorganica Chimica Acta 2020; 510: 119743.

Projects:

- National project of Ministry of Education, Science and Technological Development of the Republic of Serbia OI172016: Synthesis, modelling, physico-chemical and biological properties of organic compounds and corresponding metal complexes;

Membership:

- Serbian Crystallographic Society;
- Serbian Chemical Society;