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| Име и презиме   |  | <b>Марија Д. Живковић</b>                               |                 |
| Звање   |  | Ванредни професор                                       |                 |
| Назив институције у којој наставник ради са пуним радним временом и од када |  | Факултет медицинских наука, Универзитет у Крагујевцу    | 2017.           |
| Ужа научна односно уметничка област   |  | Органска хемија   |                 |
| Академска каријера  |  |   |                 |
|   | Година   | Институција   | Област          |
| Избор у звање   | 2021.  | Факултет медицинских наука, Универзитет у Крагујевцу    | Органска хемија |
| Докторат  | 2012.  | Природно-математички факултет, Универзитет у Крагујевцу | Хемија          |
| Специјализација   |  |   |                 |
| Магистратура  | 2007.  | Природно-математички факултет, Универзитет у Крагујевцу | Хемија          |
| Диплома   | 2004.  | Природно-математички факултет, Универзитет у Крагујевцу | Хемија          |
| Репрезентативне референце   |  |   |                 |
| 1.  | Dimitrijević Stojanović MN, Franich AA, Jurišević MM, Gajović NM, Arsenijević NN, Jovanović IP, Stojanović BS, Mitrović SL, Kljun J, Rajković S, Živković MD. Platinum(II) complexes with malonic acids: Synthesis, characterization, in vitro and in vivo antitumor activity and interactions with biomolecules. <i>J Inorg Biochem.</i> 2022;231:111773.   |   |                 |
| 2.  | Franich AA, Živković MD, Ilić-Tomić T, Đorđević IS, Nikodinović-Runić J, Pavić A, Janjić GV, Rajković S. New minor groove covering DNA binding mode of dinuclear Pt(II) complexes with various pyridine-linked bridging ligands and dual anticancer-antiangiogenic activities. <i>J Biol Inorg Chem.</i> 2020;25:395–409.  |   |                 |
| 3.  | Franich AA, Živković MD, Milovanović J, Arsenijević D, Arsenijević A, Milovanović M, Djuran MI, Rajković S. In vitro cytotoxic activities, DNA- and BSA-binding studies of dinuclear palladium(II) complexes with different pyridine-based bridging ligands. <i>J Inorg Biochem.</i> 2020;210:111158.  |   |                 |
| 4.  | Živković MD, Franich AA, Ašanin DP, Drasković N, Rajković S, Djuran MI. Hydrolysis of the Amide Bond in L-Methionine- and L-Histidine-Containing Dipeptides in the Presence of Dinuclear Palladium(II) Complexes with Benzodiazines Bridging Ligands. <i>J Solution Chem.</i> 2020;49:1082–1093.   |   |                 |
| 5.  | Bošković M, Franich AA, Rajković S, Jovanović M, Jurisević M, Gajović N, Jovanović M, Arsenijević N, Jovanović I, Živković MD. Potential Antitumor Effect of Newly Synthesized Dinuclear 1,5-Naphthyridine-Bridging Palladium(II) Complexes. <i>ChemistrySelect.</i> 2020;5(34):10549–10555.   |   |                 |
| 6.  | Kononov B, Franich AA, Jovanović M, Jurisević M, Gajović N, Jovanović M, Arsenijević N, Maric V, Jovanović I, Živković MD, Rajković S. Synthesis, DNA-/bovine serum albumin-binding affinity, and cytotoxicity of dinuclear platinum (II) complexes with 1, 6-naphthyridine-bridging ligand. <i>Appl Organomet Chem.</i> 2021; 35(3), doi: 10.1002/aoc.6112.   |   |                 |
| 7.  | Stanić PB, Rodić MV, Soldatović TV, Pavić AB, Radaković NS, Šmit BM, Živković MD. Reaction of a 3-arylidene-2-thiohydantoin derivative with polymeric trans-[CuCl <sub>2</sub> (DMSO) <sub>2</sub> ] <sub>n</sub> complex: unexpected isomerization to dinuclear cis-[(CuCl(DMSO) <sub>2</sub> )(Cl)] <sub>2</sub> . <i>J Serb Chem Soc.</i> 2020; 85:1591–1603.   |   |                 |
| 8.  | Franich AA, Đorđević IS, Živković MD, Rajković S, Janjić GV, Djuran MI. Dinuclear platinum(II) complexes as the pattern for phosphate backbone binding. A new perspective for recognition of binding modes to DNA. <i>J Biol Inorg Chem.</i> 2021; doi: 10.1007/s00775-021-01911-6.  |   |                 |
| 9.  | Vasić I, Rajković S, Arsenijević A, Milovanović M, Arsenijević N, Milovanović J, Živković MD. In vitro and in vivo activity of series of cationic dinuclearPt(II) complexes. <i>J Inorg Biochem.</i> 2021;225:111619.  |   |                 |
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| 11.   | Franich AA, Živković MD, Čočić D, Petrović B, Milovanović M, Arsenijević A, Milovanović J, Arsenijević D, Stojanović B, Djuran MI, Rajković S. New dinuclear palladium(II) complexes with benzodiazines as bridging ligands: interactions with CT-DNA and BSA, and cytotoxic activity. <i>J Biol Inorg Chem.</i> 2019;24(7):1009-1022.   |   |                 |
| 12.   | Kononov B, Živković MD, Milovanović JZ, Djordjević DB, Arsenijević AN, Vasić IR, Janjić GV, Franich A, Manojlović D, Skrivanj S, Milovanović MZ, Djuran MI, Rajković S. Synthesis, cytotoxic activity and DNA interaction studies of new dinuclear platinum(ii) complexes with an aromatic 1,5-naphthyridine bridging ligand: DNA binding mode of polynuclear platinum(ii) complexes in relation to the complex structure. <i>Dalton Trans.</i> 2018. doi: 10.1039/c8dt01946k. |   |                 |
| 13.   | Rajković S, Warzajtis B, Živković MD, Glišić BĐ, Rychlewska U, Djuran MI. Hydrolysis of Methionine- and Histidine-Containing Peptides Promoted by Dinuclear Platinum(II) Complexes with Benzodiazines as Bridging Ligands: Influence of Ligand Structure on the Catalytic Ability of Platinum(II) Complexes. <i>Bioinorg Chem Appl.</i> 2018;2018:3294948.   |   |                 |
| 14.   | Živković MD, Kljun J, Ilić-Tomić T, Pavić A, Veselinović A, Manojlović DD, Nikodinović-Runić J, Turel I. A new class of platinum(II) complexes with the phosphine ligand pta which show potent anticancer activity. <i>Inorganic Chem Front.</i> 2018;5:39-53.   |   |                 |
| 15.   | Živković MD, Rajković S, Glišić BĐ, Drašković NS, Djuran MI. Hydrolysis of the amide bond in histidine- and methionine-containing dipeptides promoted by pyrazine and pyridazine palladium(II)-aqua dimers: Comparative study with platinum(II) analogues. <i>Bioorg Chem.</i> 2017;72:190-198.  |   |                 |
| 16.   | Rajković S, Živković MD, Warzajtis B, Rychlewska U, Djuran MI. Synthesis, spectroscopic and X-ray characterization of various pyrazine-bridged platinum(II) complexes: 1H NMR comparative study of their catalytic abilities in the hydrolysis of methionine- and histidine-containing dipeptides. <i>Polyhedron</i> 2016; 117: 367–376.   |   |                 |
| 17.   | Rajković S, Živković MD, Djuran MI. Reactions of dinuclear platinum(II) complexes with peptides. <i>Curr Protein Pept Sc</i> 2016; 17: 95-105.   |   |                 |
| 18.   | Senerović L, Živković MD, Veselinović A, Pavić A, Djuran MI, Rajković S, Nikodinović-Runić J. Synthesis and Evaluation of Series of Diazine-Bridged Dinuclear Platinum(II) Complexes through in Vitro Toxicity and Molecular Modeling: Correlation between Structure and Activity of Pt(II) Complexes. <i>J Med Chem</i> 2015; 58: 1442–1451.  |   |                 |
| 19.   | Warzajtis B, Glišić BĐ, Živković MD, Rajković S, Djuran MI, Rychlewska U. Different reaction products as a function of solvent: NMR spectroscopic and crystallographic characterization of the products of the reaction of gold(III) with 2-(aminomethyl)pyridine. <i>Polyhedron</i> 2015; 91: 35–41.  |   |                 |
| 20.   | Damljanović I, Stevanović D, Pejović A, Ilić D, Živković M, Jovanović J, Vukićević M, Bogdanović GA, Radulović NS, Vukićević RD. The palladium(II) complex of N,N-diethyl-1-ferrocenyl-3-thiobutanamine: synthesis, solution and solid state structure and catalytic activity in Suzuki–Miyaura reaction. <i>RSC Advances</i> 2014; 4: 43792–43799.  |   |                 |
| 21.   | Rajković S, Rychlewska U, Warzajtis B, Ašanin DP, Živković MD, Djuran MI. Disparate behavior of pyrazine and pyridazine platinum(II) dimers in the hydrolysis of histidine- and methionine-containing peptides and unique crystal structure of {Pt(en)Cl <sub>2</sub> (μ-pydz)}Cl <sub>2</sub> with a pair of NH...Cl – ...HN hydrogen bonds supporting the pyridazine bridge. <i>Polyhedron</i> 2014; 67: 279–285.  |   |                 |
| 22.   | Rajković S, Ašanin DP, Živković MD, Djuran MI. Synthesis of different pyrazine-bridged platinum(II) complexes and 1H NMR study of their catalytic abilities in the hydrolysis of the N-acetylated L-methionylglycine. <i>Polyhedron</i> 2013; 65: 42–47.   |   |                 |
| 23.   | Ašanin DP, Živković MD, Rajković S, Warzajtis B, Rychlewska U, Djuran MI. Crystallographic evidence of anion...π interactions in the pyrazine bridged {[Pt(en)Cl <sub>2</sub> (μ-pz)}Cl <sub>2</sub> complex and comparative study of the catalytic ability of mononuclear and binuclear platinum(II) complexes in the hydrolysis of N-acetylated L-methionylglycine. <i>Polyhedron</i> 2013; 51: 255-262.   |   |                 |
| 24.   | Rajković S, Ašanin DP, Živković MD, Djuran MI. 1H NMR study of the reactions between carboplatin analogues [Pt(en)(Me-mal-O,O')] and [Pt(en)(Me <sub>2</sub> -mal-O,O')] and various methionine- and histidine-containing peptides under physiologically relevant conditions. <i>Inorganica Chimica Acta</i> 2013; 395: 245-251.   |   |                 |
| 25.   | Živković MD, Ašanin DP, Rajković S, Djuran MI. Hydrolysis of the amide bond in N-acetylated L-methionylglycine catalyzed by various platinum(II) complexes under physiologically relevant conditions. <i>Polyhedron</i> 2011; 30(6): 947-952.  |   |                 |

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| 26. | Rychlewska U, Warzajtis B, Glišić BĐ, Živković MD, Rajković S, Djuran MI. Monocationic gold(III) Gly-L-His and L-Ala-L-His dipeptide complexes: crystal structures arising from solvent free and solvent-containing crystal formation and structural modifications tuned by counter-anions. Dalton Transactions 2010; 39: 8906-8913.     |
| 27. | Glišić BĐ, Rajković S, Živković MD, Djuran MI. A comparative study of complex formation in the reactions of gold(III) with Gly-Gly, Gly-L-Ala and Gly-L-His dipeptides. Bioorganic Chemistry 2010; 38: 144-148.  |
| 28. | Rajković S, Živković MD, Kállay C, Sóvágó I, Djuran MI. A study of the reactions of a methionine- and histidine-containing tetrapeptide with different Pd(II) and Pt(II) complexes: The selective cleavage of the amide bond by platination of the peptide and steric modification of the catalyst. Dalton Transactions 2009; 8370-8377. |
| 29. | Rajković S, Glišić BĐ, Živković MD, Djuran MI. Hydrolysis of the amide bond in methionine-containing peptides catalyzed by various palladium(II) complexes: Dependence of the hydrolysis rate on the steric bulk of the catalyst. Bioorganic Chemistry 2009; 37(5): 173-179.   |
| 30. | Živković MD, Rajković S, Djuran MI. Reaction of [Pt(Gly-Gly-N,N',O)]- with the N-acetylated dipeptide L-methionyl-L-histidine: Selective platination of the histidine side chain by intramolecular migration of the platinum(II) complex. Bioorganic Chemistry 2008; 36(3): 161-164.   |

Збирни подаци научне, односно уметничке и стручне активности наставника

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|--|--|-----------------|
| Укупан број цитата   | Science Citation Index, Web of Science   |                 |
|  | Scopus   |                 |
| Укупан број радова са SCI или (SSCI) у последњих 10 година | <b>24</b>  |                 |
| Тренутно учешће на пројектима                              | <b>1</b>   | Домаћи <b>1</b> |
|  |  | Међународни     |
| Усавршавања  | Студијски боравак-октобар 2011. године, Институт за биохемију и биофизику Пољске академије наука и уметности у Варшави (Пољска), у групи професора др Wojciech Wal-a.<br>Постдокторске студије, од децембра 2014 до јуна 2015, Факултет за хемију и хемијску технологију, Универзитет у Љубљани, Словенија, у групи професора др Изтока Турела, као стипендиста „Erasmus Mundus” програма, „Basileus V”. |                 |
| Други релевантни подаци                                    |  |                 |