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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | | | Aleksandar Pavić | | | | | | | | |
| **Title** | | | Associate Research Professor | | | | | | | | |
| **Narrow scientific area** | | | Molecular Biology, Drugs Toxicology | | | | | | | | |
| **Academic career** | | Year | Institution | | | | Narrow scientific field or art field | | | | |
| Election to the title | | 2019 | University of Belgrade, Institute of Molecular Genetics and Genetic Engineering | | | | Molecular Biology, DrugsToxicology | | | | |
| PhD | | 2012 | University of Belgrade, Faculty of Biology | | | | Biology (Microbiology) | | | | |
| Master degree | | 2006 | University of Belgrade, Faculty of Biology | | | | Biology (Biology of microorganisms) | | | | |
| Diploma | | 2006 | University of Belgrade, Faculty of Biology | | | | Biology (Biology of microorganisms) | | | | |
| **A list of dissertations-doctoral art projects in which the teacher is or was a mentor in the past 10 years** | | | | | | | | | | | |
| No. | Title of the dissertation – doctoral art project | | | | | Name of the candidate | | | \*submitted | \*\* defended | |
|  |  | | | | |  | | |  |  | |
| \* Year in which the dissertation was submitted (for dissertations in progress) \*\* The year in which the dissertation was defended (only for dissertations from the previous period) | | | | | | | | | | | |
| **Categorization of the publication of scientific papers in the field of the given study program according to the classification of the relevant Ministry of Education, Science and Technological Development and in accordance with the additional requirements of the standard for the given field (minimum 5 not more than 20)** | | | | | | | | | | | |
| 1 | **Pavić, A**. ...Djuran, M.I. **(2019)** Silver(I) complexes with 4,7-phenanthroline efficient in rescuing the zebrafish embryos of lethal Candida albicans infection. *J Inorg Chem*, 195: 149-163. | | | | | | | | | | M21 |
| 2 | **Pavić, A**., ...Knežević-Vukčević J. **(2019)** Wild edible onions - *Allium flavum* and *Allium carinatum* – successfully prevent adverse effects of chemotherapeutic drug doxorubicin. *Biomed Pharmacother*, 109, 2482-2491 | | | | | | | | | | M21 |
| 3 | Tran, J. P., ... **Pavic, A**., ...Solaja, B. **(2019)** Second generation of diazachrysenes: Protection of Ebola virus infected mice and mechanism of action. *Eur J Med Chem*. 162, 32-50. | | | | | | | | | | M21a |
| 4 | Müller, J.I., ...**Pavic, A**., ...Gulder, T.A.M. **(2019)** Synthesis and initial biological evaluation of myxocoumarin B. *Org Biomol Chem* 17, 1966-1969. | | | | | | | | | | M21 |
| 5 | Filipovic, V., ...**Pavic, A.**, ...Tomic, S. (2019) In Vitro and In Vivo Biocompatibility of Novel Zwitterionic Poly(Beta Amino)Ester Hydrogels Based on Diacrylate and Glycine for Site‐Specific Controlled Drug Release. *Macromol Chem Physics*, doi:10.1002/macp.201900188 | | | | | | | | | | M21 |
| 6 | Savić, N.D., ...**Pavic, A.,** ...Djuran, M.I. (**2018**) Mononuclear silver (I) complexes with 1, 7-phenanthroline as potent inhibitors of *Candida* growth. *Eur J Med Chem* 156: 760-773 | | | | | | | | | | M21a |
| 7 | Milivojevic, D., ...**Pavic, A**., ...Nikodinovic-Runic, J. **(2018)** Biofilm forming ability and infection potential of *Pseudomonas aeruginosa* strains isolated from animals and humans. *Pathogens and Disease* 76, 1753. | | | | | | | | | | M22 |
| 8 | Aleksic, I., ...**Pavic, A**., ...Senerovic, L. **(2018)** Anti-quorum sensing activity, toxicity in zebrafish (*Danio rerio*) embryos and phytochemical characterization of *Trapa natans* leaf extracts. *J Ethnopharmacol* 222, 148-158. | | | | | | | | | | M21 |
| 9 | Živković, M.D., ...**Pavić, A.,** ...Turel, I. **(2018)** A new class of platinum(II) complexes with phosphine ligand pta which show potent anticancer activity. *Inorg Chem Front* 5, 39-53. | | | | | | | | | | M21 |
| 10 | Veselinović, J.B., ...**Pavic, A.,** Nikodinovic-Runic, J. **(2017)** Potent anti-melanogenic activity and favorable toxicity profile of selected 4-phenyl hydroxycoumarins in the zebrafish model and the computational molecular modeling studies. *Bioorg Med Chem* 25, 6286-6296. | | | | | | | | | | M21 |
| 11 | **Pavić, A.,** ...Rychlewska, U. **(2017)** Mononuclear gold(III) complexes with phenanthroline ligands as efficient inhibitors of angiogenesis: A comparative study with auranofin and sunitinib. *J Inorg Chem* 174, 156-157. | | | | | | | | | | M21 |
| 12 | Rainer, L., ...**Pavic, A.,** ...Ivanović-Burmazović, I. **(2017)** Redox behavior and biological properties of ferrocene bearing porphyrins. *J Inorg Chem* 171, 76-89. | | | | | | | | | | M21 |
| 13 | Stojkovic, D.S., ...**Pavic, A.,** ...Sokovic, M. **(2017)** Chemical composition of the mushroom *Meripilus giganteus* Karst. and bioactive properties of its methanolic extract. *LWT-Food Sci Tech* 79, 454-462. | | | | | | | | | | M21 |
| 14 | Warżajtis, B., ...**Pavić, A.,** ...Djuran, I. M. **(2017)** Mononuclear gold(III) complexes with L-histidine-containing dipeptides: tuning the structural and biological properties by variation of the N-terminal amino acid and counter anion. *Dalton Trans* 46, 2594-2608. | | | | | | | | | | M21 |
| 15 | Jovic, D.S., ...**Pavić, A.**, Plavece, J. **(2016)** Fullerenol nanoparticles as a new delivery system for doxorubicin. *RSC Adv* 6, 38563–38578. | | | | | | | | | | M21 |
| 16 | Savić, N.D., ...**Pavić, A.,** ...Djuran. M.I. **(2016**) A comparative antimicrobial and toxicological study of gold(III) and silver(I) complexes with aromatic nitrogen- containing heterocycles: Synergistic activity and improved selectivity index of Au(III)/Ag(I) complexes mixture. *RSC Adv* 6, 13193-13206. | | | | | | | | | | M21 |
| 17 | Veselinović, J.B., ...**Pavić, A.,** ...Veselinović, A. M. **(2015)** Selected 4-phenyl hydroxycoumarins: *In vitro* cytotoxicity, teratogenic effect on zebrafish (*Danio rerio*) embryos and molecular docking study. *Chem Biol Inter* 231, 10-17. | | | | | | | | | | M22 |
| 18 | Senerovic, L., ...Pavic, A., ...Nikodinovic-Runic, J. **(2015)** 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. *J Med Chem* 58, 1442-145. | | | | | | | | | | M21a |
| 19 | Stanković, S., ...Pavić, A., ...Cvetković, V. **(2015)** Bioleaching of copper from old flotation tailings samples (Copper Mine Bor, Serbia). *J Serb Chem Soc*, 80, 391-405. | | | | | | | | | | M23 |
| 20 | **Pavić, A.** Impact of Šabac industry on the environmental condition of the Sava river. Environmental Recovery Of Yugoslavia - Monograph (Eds., Antić, D.P. and Vujić, J.Lj.), Vinča Institute of Nuclear Sciences, Belgrade. ISBN: 86-7306-054-0, p.665 | | | | | | | | | | M34 |
| **Cumulative data of scientific activity of the teacher** | | | | | | | | | | | |
| Total number of citations, without self citations | | | | | Total 209, Without self - citations 129, without self-citations of all co-authors 109, H 8, (SCOPUS 21.09.2019.) | | | | | | |
| Total number of papers on the SCI (or SSCI) list | | | | | **29** (SCOPUS 21.09.2019) | | | | | | |
| Current participation in projects | | | | Domestic 3 | | | | International 0 | | | |
| Other information you consider to be important | | | | Тhe person in charge for the housing, care and reproduction of zebrafish in the zebrafish facility in IMGGE (since 2016), and for the training of researchers for work with zebrafish (since 2016); Professional training at Wellcome Trust Sanger Institute, Cambridge UK (2016) for work in the zebrafish model; DAAD alumni (2009/2010). PI of the research project funded by Philip Moris foundation (Pokreni se za Nauku – Istrazi.Promeni; 2019/2020) and a Innovation Voucher (2018/2019). Member of Animal Ethics Committee of IMGGE (since 2016) and programme committee of the Biology at Petnica Science Centre, Serbia (since 2019). Invited lectur at courses: Microbiology of water and soil – 2019 (Faculty of Biology, UB) and Medicinal Chemistry 2018/2019 (Faculty of Science, University of Kragujevac). | | | | | | | |