PREDRAG JOVANOVIC

Employment Information:

2018- present Assistant Professor at the Department of Organic Chemistry, Faculty of Pharmacy - University of Belgrade

2012-2018 Assistant at the Department of Organic Chemistry, Faculty of Pharmacy - University of Belgrade

2010-2012 Associate at the Department of Organic Chemistry, Faculty of Pharmacy - University of Belgrade

Education:

2008-2017. PhD in Organic Chemistry, Faculty of Chemistry - University of Belgrade, " Pyrrolidine derivatives in organocatalytic transformations", Mentors: Prof. Dr. Vladimir Savić, Prof. Dr. Vele Tešević.

2004-2008. Academic studies, Faculty of Chemistry - University of Belgrade.

Academic awards and distinctions:

- Best student award (2007/2008)
- Third prize for achievements during study, Balkan Environmental Association, Thessaloniki, Greece (2007*)*

Teaching activities:

As an teaching associate and assistant since 2010, he participated in the implementation of practical and consultative classes in the mandatory subjects Organic Chemistry 1 (MF), Organic Chemistry 2 (MF), Bioorganic Chemistry (MF-MB) and Organic Chemistry (MF-MB). Since the election to the title of assistant professor, lecturer in the subject Bioorganic Chemistry (MF-MB).
Member of one commission for the defense of doctoral theses, several times mentor and member of the commission for the defense of final theses.

Textbooks:

Practicum in Organic Chemistry, Vladimir Savić, Milena Simić, Miloš Petković, Gordana Tasić, Predrag Jovanović, Zorana Tokić-Vujošević, Sanda Dilber; fourth edition, Belgrade 2017. ISBN 978-86-6273-042-8 Publisher: University of Belgrade, Faculty of Pharmacy.

Projects:

Participant in the national project of the Ministry of Education, Science and Technological Development entitled "Computer-aided design, synthesis and biological evaluation of new heterocyclic compounds as inhibitors of tumorigenesis" (2015-2019)

Publications:

1) M. Novaković, S. Stevanović, S. Gorjanović, **P. Jovanović**, V. Tešević, M. Janković, D. Sužnjević, Changes of Hydrogen Peroxide and Radical-Scavenging Activity of Raspberry during Osmotic, Convective, and Freeze-Drying, *Journal of Food Science*, **2011**, 76, 663-668.
   Food Science & Technology (35/128), **IF$_{2011}$=2,184 (M21)**

2) T. Narančić, J. Radivojević, **P. Jovanović**, Dj. Francuski, M. Bigović, V. Maslak, V. Savić, B. Vasiljević, K. E. O'Connor, J. Nikodinović-Runić, Highly efficient Michael-type addition of acetaldehyde to β-nitrostyrenes by whole resting cells of Escherichia coli expressing 4-oxalocrotonate tautomerase, *Bioresource Technology* **2013,** 142, 462-468.
   Biotechnology & Applied Microbiology (19/165), **IF$_{2013}$=5,600 (M21)**

3) **P. Jovanović**, S. Jeremić, L. Djokić, V. Savić, J. Radivojević, V. Maslak, B. Ivković, B. Vasiljević, J. Nikodinović-Runić, Chemoselective biocatalytic reduction of conjugated nitroalkenes: New application for an *Escherichia coli* BL21(DE3) expression strain, *Enzyme and Microbial Technology* **2014**, 60, 16-23.
   Biotechnology & Applied Microbiology (52/163), **IF$_{2014}$=2,932 (M22)**

4) J. Radivojević, G. Minovska, L. Senerović, K. E. O'Connor, **P. Jovanović**, V. Savić, Z. Tokić Vujošević, J. Nikodinović-Runić, V. Maslak, Synthesis of γ-nitroaldehydes containing quaternary carbon in the α-position using a 4-oxalocrotonate tautomerase whole-cell biocatalyst, *RSC Advances*, **2014**, 4, 60502-60510.
   Multidisciplinary Chemistry (37/157), **IF$_{2014}$=3,907 (M21)**
5) **P. Jovanović**, J. Randjelović, B. Ivković, C. Suteu, Z. Tokić Vujošević, V. Savić, Substituted proline derivatives as organocatalysts in the Michael reaction, *J. Serb. Chem. Soc.* **2014,** 79, 767-778.
   Multidisciplinary Chemistry (105/157), **IF$_{2014}$=1,009 (M23)**

6) **P. Jovanović**, M. Petković, M. Simić, B. Ivković, V. Savić, A novel thiourea type organocatalyst possessing a single NH functionality, *Org. Biomol. Chem*, **2016**, 14, 6712.
   Organic Chemistry (14/59), **IF$_{2016}$=3,564 (M21)**

7) **P. Jovanović**, M. Petković, B. Ivković, V. Savić, Pyrrolidine derived thioureas as organocatalysts in the Michael reaction of vinyl sulfone. Structure–stereoselectivity study, *Tetrahedron Asymmetry*, **2016**, 27, 990.
Organic Chemistry (29/59), **IF$_{2016}$=2,126 (M22)**

8) M. Simić, G. Tasić, **P. Jovanović**, M. Petković, V. Savić, Preparation of pyrrolizinone derivatives via sequential transformations of cyclic allyl imides: synthesis of quinolactacide and marinamide, *Org. Biomol. Chem*, **2018**, 16, 2125-2133.
Organic Chemistry (14/57), **IF$_{2018}$=3,490 (M21)**

9) **P. Jovanović**, M. Petković, M. Simić, M. Jovanović, G. Tasić, M. Đ. Crnogorac, Ž. Žižak, V. Savić, Stereocontrolled Synthesis of Highly Substituted trans α,β-Unsaturated Ketones with Potent Anticancer Properties from Glycals, *Eur. J. Org. Chem*, **2019**, 4701–4709.
Organic Chemistry (16/57), **IF$_{2018}$=3,029 (M21)**

10) M. Jovanović, M. Petković, **P. Jovanović**, M. Simić, G. Tasić, S. Erić, V. Savić, Preparation of pyrrolizinone derivatives via sequential transformations of cyclic allyl imides: synthesis of quinolactacide and marinamide, *Eur. J. Org. Chem*, **2019**.
Organic Chemistry (16/57), **IF$_{2018}$=3,029 (M21)**