


DEPARTMENT FOR BIOLOGY AND ECOLOGY Faculty of Science University of Kragujevac		Biographical and bibliographic information about the associate			
Personal data					
Name and surname		Milica Paunović			
The title		Assistant with PhD			
The institution where the associate works full-time					
Name		Faculty of Science, University of Kragujevac			
Date of employment		10.01.2012.			
Academic career					
	Institution	Year	Field and acquired professional/scientific title		
Doctoral studies	Faculty of Science	2023.	Doctor of Biological Sciences		
Basic studies	Faculty of Science	2011.	Graduated biologist		
Election to the title					
	Institution	Year	Narrow scientific field		
Assistant with PhD	Faculty of Science	2024.	Physiology of animal and human and molecular biology		
Assistant	Faculty of Science	2018.	Physiology of animal and human and molecular biology		
Researcher-associate	Faculty of Science	2014.	Physiology of animal and human and molecular biology		
Researcher-trainee	Faculty of Science	2012.	Physiology of animal and human and molecular biology		
Engagement in the realisation of the classes					
	Subjects			Study program ¹	
<i>In the current accreditation period</i>					
1.	General physiology			BASB	
2.	Ecophysiology of animals			BASE	
3.	Comparative physiology			BASB	
4.	Basics of molecular biology			BASB	
5.	Molecular basis of the living world			BASE	
6.	Cyto-histological methods			BASB	
7.	Physiology of behavior			BASE	
8.	Physiology of mental processes 1			BASP	
9.	Biomedical physiology			MASB	
10.	Biophysical systems and environment			MASC	
11.	Molecular and cellular physiology			MASMB	
12.	Experimental models and methods in molecular biology and physiology			MASMB	
<i>In the previous period</i>					
1.	Natural resources			MASE	
2.	Ecotoxicology			MASB	
¹ BASB - Basic Academic Studies in Biology, BASE - Basic Academic Studies in Ecology, MASB - Master Academic Studies in Biology, MASE - Master Academic Studies in Ecology, MASMB - Master Academic Studies in Biology-Molecular Biology, BASP - Basic academic studies of psychology, MASC - Master Academic Studies in Chemistry					
Selected scientific publications (5-10)					
1.	Dimitrijević, G. Marina, Roschger, Cornelia, Lang, Kevin, Zierer, Andres, Paunović, G. Milica, Obradović, D. Ana, Matić, M. Miloš, Pocrnić, Marijana, Galić, Nives, Ćirić, Andrija, Joksović, D. Milan (2024). Discovery of a new class of potent pyrrolo [3, 4-c] quinoline-1, 3-diones based inhibitors of human dihydroorotate dehydrogenase: Synthesis, pharmacological and toxicological evaluation. <i>Bioorganic Chemistry</i> . 147, 107359. doi: 10.1016/j.bioorg.2024.107359. ISSN: 045-2068 IF ₂₀₂₂ : 5,3 M21a				
2.	Marković, G. Katarina, Kesić, S. Ana, Novaković, Mirjana, Grujović, Mirjana, Simijonović, Dušica, Avdović, H. Edina, Matić, Sanja, Paunović, G. Milica, Milutinović, Milena, Nikodijević, Danijela, Stefanović, Olgica, Marković, Zoran (2024): Biosynthesis and characterization of silver nanoparticles synthesized using extracts of <i>Agrimonia</i>				

	eupatoria L. and in vitro and in vivo studies of potential medicinal applications. RSC advances, 14(7), 4591-4606. doi: 10.1039/d3ra07819a. ISSN: 2046-2069, IF ₂₀₂₂ : 3,9 M22		
3.	Paunović, G. Milica , Matić, M. Miloš, Obradović, D. Ana, Jevtić, V. Verica, Stojković, L. Danijela, Ognjanović, I. Branka (2022). Antiproliferative, antimigratory, and prooxidative potential of novel platinum (IV) complexes and resveratrol on breast cancer (MDA-MB-231) and choriocarcinoma (JEG-3) cell lines. <i>Drug Development Research</i> . 83 (3), 688-698 doi: 10.1002/ddr.21900. ISSN:0272-4391 IF ₂₀₂₁ : 5.004 M21		
4.	Milošević, D. Marija, Mašković, Z. Pavle, Stanković, D. Vesna, Paunović, G. Milica , Mitić, N. Milan, Matić, M. Miloš, Ognjanović, I. Branka (2022). Protective effects of <i>Viscum album</i> L. leaf extract on chlorpyrifos-induced hepatotoxicity in Wistar rats. <i>Journal of King Saud University-Science</i> , 34, 101957. doi: 10.1016/j.jksus.2022.101957. ISSN: 1018-3647, IF ₂₀₂₀ : 4,011 M21		
5.	Paunović G. Milica , Matić M. Matić, Stanković D. Vesna, Milošević D. Marija, Jevtić V. Verica, Trifunović R. Srećko, Ognjanović I. Branka (2021): Evaluation of Toxic Effects of Novel Platinum(IV) Complexes in Female Rat Liver: Potential Protective Role of Resveratrol. <i>Cell Biochemistry and Biophysics</i> , 79 (1), 141-152. doi: 10.1007/s12013-020-00953-y. ISSN: 1085-9195, IF ₂₀₂₁ : 2,989 M22		
6.	Matić, M. Miloš, Paunović, G. Milica , Milošević, D. Marija, Ognjanović, I. Branka, Saičić, S. Zorica (2021): Hematoprotective effects and antioxidant properties of β -glucan and vitamin C against acetaminophen-induced toxicity: an experimental study in rats. <i>Drug and chemical toxicology</i> , 44(3), 302-309. doi: 10.1080/01480545.2019.1587451. ISSN: 0148-0545, IF ₂₀₂₀ : 3,356 M22		
7.	Milošević D. Marija, Paunović G. Milica , Matić M. Miloš, Ognjanović I. Branka, Saičić S. Zorica (2018): Role of selenium and vitamin C in mitigating oxidative stress induced by fenitrothion in rat liver. <i>Biomedicine and Pharmacotherapy</i> , 106, pp.232-238. doi: 10.1016/j.biopha.2018.06.132. ISSN: 0753-3322, IF ₂₀₁₈ : 3,743 M21		
8.	Paunović G. Milica , Matić M. Miloš, Ognjanović I. Branka, Saičić S. Zorica (2017): Antioxidative and haematoprotective activity of coenzyme Q10 and vitamin E against cadmium-induced oxidative stress in Wistar rats. <i>Toxicology and Industrial Health</i> , 33 (10), 746-756. doi: 10.1177/0748233717725480. ISSN: 0748:2337, IF ₂₀₁₅ : 1,688 M22		
9.	Đorđević Z. Nataša, Paunović G. Milica , Peulić S. Aleksandar (2017): Anxiety-like behavioural effects of extremely low-frequency electromagnetic field in rats. <i>Environmental Science and Pollution Research</i> , 24 (27), 21693-21699. doi: 10.1007/s11356-017-9710-1. ISSN: 0944-1344, IF ₂₀₁₅ : 2,760 M21		
10.	Paunović G. Milica , Ognjanović I. Branka, Matić M. Miloš, Štajn Š. Andraš, Saičić S.Zorica (2016): Protective effects of quercetin and vitamin C against nicotine-induced toxicity in the blood of Wistar rats. <i>Arhiv za higijenu rada i toksikologiju</i> , 67(4), 304-310. doi: 10.1515/aiht-2016-67-2795. ISSN: 0004-1254, IF ₂₀₁₆ : 1,395 M22		
Summary of the results of the scientific work			
Total number of publications			75
Total number of publications in international journals			16
Total number of citations			261
Participation in the implementation of projects and scientific and professional studies			
Status	Name of the project	Type of project ² and financier	Duration of the project
Researcher (R)			
R	"Molecular physiological biomonitoring of aerobic organisms based on the determination of biochemical biomarkers of oxidative stress" (2011) - project registration number 173041, under the direction of Dr. Zorica Saičić.	MESTRS	2011-2019
² Type of project: D/F–domestic fundamental, D/I–domestic innovative, D/R–domestic development, D/S–domestic strategic, M–international, D/V–other types of projects, MESTRS–Ministry of Education, Science and Technological Development of the Republic Serbia			
Foreign language knowledge			
English language			
Membership in professional and scientific associations			
Society of Physiologists of Serbia Serbian Society for Mitochondrial and Free-Radical Physiology Serbian Biochemical Society Serbian Association for Proteomics			
Participation in the work of bodies and organs of the Faculty			
Committee for Quality Assurance of the Faculty of Science, University of Kragujevac			
Educational and scientific cooperation with other higher education and scientific institutions			
- Faculty of Science and Mathematics in Niš - Faculty of Biology in Belgrade			

- Institute for Biological Research "Siniša Stanković" in Belgrade
- Faculty of Medical Sciences in Kragujevac
- Institute for Information Technologies, University of Kragujevac

Contribution to the promotion of Faculty and University

- Promotion of the Faculty of Science in high schools in Serbia.
- Organization and participation in events: Faculty Open Doors, Science Festivals, Museum Night, Researchers' Night
- Organization and implementation of preparatory classes in the field of Animal Physiology

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