


DEPARMENT FOR BOLOGY AND ECOLOGY Faculty of Science University of Kragujevac		Biographical and bibliographic information		
Personal data				
Name and surname		Miloš M. Matic		
Title		Associate professor		
The institution data				
Name		Faculty of Science, University of Kragujevac		
Date of establishment of the employment relationship		01.01.2011.		
Academic career				
	Institution	Year	Scientific field/scientific title	
PhD degree	Faculty of Science, University of Kragujevac	2017.	Animal and human physiology and molecular biology - PhD in Biological Science	
B.Sc. and M.Sc. degree	Faculty of Biology, University of Belgrade	2010.	Molecular biology and Physiology - Graduated molecular biologist and physiologist	
Election to the academic title				
	Institution	Year	Field of Expertise	
Associate Professor	Faculty of Science	2022.	Animal and human physiology and molecular biology	
Assistant Professor	Faculty of Science	2017.	Animal and human physiology and molecular biology	
Teaching Assistant	Faculty of Science	2013.	Animal and human physiology and molecular biology	
Research assistant	Faculty of Science	2011.	Animal and human physiology and molecular biology	
Teaching Experience				
	Name of the Course	Study program		
1.	Comparative physiology	B.Sc.Biology		
2.	Animal ecophysiology	B.Sc.Ecology		
3.	Behavioral physiology	B.Sc.Ecology		
4.	Psychophysiology	B.Sc.Psychology		
5.	Molecular integrative physiology	B.Sc.Biology- Molecular Biology and Physiology		
6.	Immunobiology	B.Sc.Biology- Molecular Biology and Physiology		
7.	Neurobiology	B.Sc.Biology- Molecular Biology and Physiology		
8.	Molecular biology of eukaryotes	B.Sc.Biology- Molecular Biology and Physiology		
9.	Animal and human physiology of stress	M.Sc.Biology		
10.	Molecular Biology	M.Sc. Molecular Biology and Physiology		
11.	Molecular and cell physiology	M.Sc. Molecular Biology and Physiology		
12.	Molecular immunobiology	M.Sc. Molecular Biology and Physiology		
13.	Systemic physiology	Phd Biology		
14.	Molecular physiology	Phd Biology		
15.	Molecular mechanisms of pathophysiological processes	Phd Biology		

Authorship of university literature	
1.	Molecular aspects of cell physiology
2.	Basics of neurophysiology
Mentorship and participation in commissions for evaluation and defense of thesis	
Mentor - 8 M. Sc. Theses: 7 Ph.D. Theses: 1	Commission - 24 M. Sc. Theses: 15 Ph.D. Theses: 9
Participation in committees for the selection of teachers and associates	
Assistant:1 Assistant with PhD:1 Assistant Professor:1	Research Assistant Junior: 2 Research Assistant: 2 Research Associate: 2
Selected scientific publication (5-10)	
1.	Dimitrijevic Marina G, Roschger Cornelia, Lang Kevin, Zierer Andreas, Paunovic Milica G, Obradovic Ana D, Matic Milos M , Pocrnic Marijana, Galic Nives, Ciric Andrija R, Joksovic Milan D. 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. BIOORGANIC CHEMISTRY, 2024; 147:107359.
2.	Vukić MD, Čmiková N, Hsouna AB, Saad RB, Garzoli S, Schwarzová M, Vuković NL, Obradović AD, Matić MM , Waszkiewicz-Robak B, et al. Thymus zygis, Valuable Antimicrobial (<i>in vitro</i> and <i>in situ</i>) and Antibiofilm Agent with Potential Antiproliferative Effects. Plants. 2023; 12(23):3920. https://doi.org/10.3390/plants12233920
3.	Mihailović V, Srećković N, Nedić ZP, Dimitrijević S, Matić M , Obradović A, Selaković D, Rosić G, Katanić Stanković JS. Green Synthesis of Silver Nanoparticles Using Salvia verticillata and Filipendula ulmaria Extracts: Optimization of Synthesis, Biological Activities, and Catalytic Properties. Molecules. 2023; 28(2):808. https://doi.org/10.3390/molecules28020808
4.	Galovičová L, Čmiková N, Schwarzová M, Vukic MD, Vukovic NL, Kowalczewski PŁ, Bakay L, Kluz MI, Puchalski C, Obradovic AD, Matić MM , Kačániová M. Biological Activity of Cupressus sempervirens Essential Oil. Plants (Basel). 2023 Mar 1;12(5):1097. doi: 10.3390/plants12051097.
5.	Vukovic NL, Vukic MD, Obradovic AD, Matic MM , Galovičová L, Kačániová M. GC, GC/MS Analysis, and Biological Effects of Essential Oils from Thymus mastchina and Elettaria cardamomum. Plants. 2022; 11(23):3213. https://doi.org/10.3390/plants11233213
6.	Obradović A, Matić M , Ognjanović B, Đurđević P, Marinković E, Ušćumlić G, Božić B, Božić Nedeljković B. Antiproliferative and antimigratory effects of 3-(4-substituted benzyl)-5-isopropyl-5-phenylhydantoin derivatives in human breast cancer cells. Saudi Pharmaceutical Journal (2020) 28(3), 246-254.
7.	Paunović MG, Matić MM , Stanković VD, Milošević MD, Jevtić VV, Trifunović SR, Ognjanović BI. Evaluation of Toxic Effects of Novel Platinum (IV) Complexes in Female Rat Liver: Potential Protective Role of Resveratrol. Cell Biochem Biophys. (2020) Oct . doi: 10.1007/s12013-020-00953-y
8.	Obradović A, Matić M , Ognjanović B, Vuković N, Vukić M, Đurđević P, Ušćumlić G, Božić B, Božić Nedeljković B. Anti-Tumor Mechanisms of Novel 3-(4-Substituted Benzyl)-5-Isopropyl-5-Phenylhydantoin Derivatives on Human Colon Cancer Cell Line. <i>Anti-cancer Agents Med Chem</i> (2019) 19(12), 1491-1502.
9.	Matić MM , Paunović MG, Milošević MD, Ognjanović BI, Saičić ZS. Hematoprotective effects and antioxidant properties of β-glucan and vitamin C against acetaminophen-induced toxicity: an experimental study in rats. Drug Chem Toxicol. (2019) Mar 18:1-8.
10.	Miloš Matić , Milica Paunović, Branka Ognjanović, Andraš Štajn, Zorica Saičić. Neuropeptide Y reduces migration capacity of human choriocarcinoma cell line by altering oxidative/antioxidative status. <i>Turkish Journal of Biology</i> , (2017); 41:1606-73. ISSN: 1303-6092
Summary of the results of the scientific work	
Total number of publications	>100
Total number of publications in international journals	24
Total number of citations	348

Participation in the implementation of projects and scientific and professional studies			
Status Researcher (R)	Name of the project	Type of the project and financier ²	Duration of projects
R	Molecular physiological biomonitoring of aerobic organisms based on the determination of biochemical biomarkers of oxidative stress (173041)	D/F, MESTRS	2011-2019
² Type of project: D/F–domestic fundamental, I–international MESTRS–Ministry of Education, Science and Technological Development of the Republic Serbia			
Scientific training and study stay			
Institution		Country	Duration
The Curie Institute, Paris		France	3 months
Foreign language knowledge			
English			
Membership in professional and scientific associations			
Society of Immunologists of Serbia Society of Physiologists of Serbia Serbian Society for Mitochondrial and Free-Radical Physiology Biochemical Society of Serbia Serbian Association for Proteomics Serbian Society for Molecular Biology Serbian Biological Society "Stevan Jakovljević" Kragujevac Society for Free Radical Research Europe (SFRR Europe)			
Participation in the work of bodies and organs of the Faculty and University, management			
<ul style="list-style-type: none"> Member of the Faculty Council of the Faculty of Sciences at University of Kragujevac - Decision No. 410 from 12.04.2018 to 31.03.2019. Member of the Quality Assurance Commission at the Faculty of Sciences at University of Kragujevac, Decision No. 80/XIX-2 from 30.01.2013 to 30.01.2018 Member of the Ethical Commission for the Welfare of Experimental Animals (Decision 500/ XXXII-1 from 28. 10. 2020.) President of the Ethics Committee for the Welfare of Experimental Animals (decision No. 490/XVI-1 from 25.10. 2023.) Member of the Accreditation Committee for the Master's Study Program in Molecular Biology and Physiology Head of the Study Program in Molecular Biology and Physiology 			
Reviews of scientific manuscript, monographs, projects, study programs			
<u>Reviews of scientific manuscript published in international scientific journals:</u> Fresenius Environmental Bulletin, Ecotoxicology and Environmental Safety, Free Radical Research, Food Chemical and Toxicology, Physiology Research, Environmental Toxicology and Pharmacology, Toxicology and Industrial Health, Drug and Chemical Toxicology			
Membership in working bodies of scientific meetings			
Participation in the scientific and organizational committee of the sixth Symposium of the Serbian Proteomics Association "Development and application of new proteomics methods" Participation in the scientific committee of the seventh Symposium of the Serbian Proteomics Association "Application of proteomics in biomedicine" Participation in the organizational committee of the thirteenth Conference of the Biochemical Society of Serbia "Amplifying Biochemistry Concepts"			
Educational and scientific cooperation with other higher education and scientific institutions			
Institute of Virology, Vaccines and Serums "Torlak" Institute for Nuclear Sciences "Vinča", University of Belgrade Faculty of Biology, University of Belgrade Faculty of Medical Sciences, University of Kragujevac Institute for Information Technologies Kragujevac, University of Kragujevac Faculty of Science and Mathematics, University of Niš Institute for Biological Research "Siniša Stanković", University of Belgrade			
International and national awards and recognitions			
Participation in trainings and competition for the best student idea within the international project IF4TM, 2017.			
Contribution to the promotion of Faculty and University			

He actively participated in the promotion of science and the Faculty of Science at various festivals and other events in the service of promotion

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