

INSTITUTE OF BIOLOGY AND
ECOLOGY
FACULTY OF SCIENCE
UNIVERSITY OF KRAGUJEVAC

**Biographical and
bibliographic information
about the teacher**



Personal data			
Name and surname	Ivana D. Radojević		
Vocation	Associate professor		
The institution where the teacher works full time			
Name	Faculty of Science, University of Kragujevac		
Date of employment	2003-2006, and from October 01, 2008.		
The academic career			
	Institution	Year	Field and acquired professional/scientific title
Ph.D	Faculty of Science	2012.	Biology - PhD in Biology
Master's degree	Faculty of Science	2007.	Biology - Master's degree in Biology
Bachelor degree	Faculty of Science	2002.	Biology - Graduated biologist-ecologist
Election the title			
	Institution	Year	Narrow scientific field
Associate professor	Faculty of Science	2024.	Microbiology
Assistant professor	Faculty of Science	2020.	Microbiology
Senior Research Associate	Faculty of Science	2018.	Biology
Research Associate	Faculty of Science	2013.	Biology
Research Assistant	Faculty of Science	2012. 2008.	Biology
Junior Research Assistant	Faculty of Science	2003.	Biology
Teaching engagement			
<i>In the current accreditation period</i>			
1.	Microbial ecology		
2.	Molecular cell biology		
3.	Biological Data Analysis		
4.	Hygiene		
5.	Restoration and protection of aquatic ecosystems		
6.	Molecular biology and physiology of microorganisms		
7.	Methodology of scientific research		
8.	Selected chapters in microbiology		
9.	Microbiological research methods		
10.	Biochemistry and physiology of microorganisms		
11.	Selected chapters in bioremediation		
<i>In the previous period</i>			
1.	Molecular biology of microorganisms		
2.	Methodology of scientific research		
3.	Microbiological research methods		
Author of a university book			
1.	MICROBIAL ECOLOGY with aspects of application in environmental protection - PRACTICE WITH WORKBOOK		
Mentorship³ and participation in committees for evaluation and defense of final theses			
Mentorship Master's theses: 6	Commission Graduation papers: 1; Master's theses: 21 Doctoral theses: 9		
Participation in commissions for the selection of the researcher			
Junior Research Assistant: 2; Research Assistant: 2; Research Associate: 2			

Selected papers			
1.	Caković A, Čočić D, Živanović M, Janković N, Milivojević N, Delibašić M, Kostić M, Radojević I , Grujović M, Marković KG, Klisurić OR, Vraneš M, Bogojeski J. Enhancing Bioactivity of N,N,N-Chelating Rhodium(III) Complexes with Ionic Liquids: Toward Targeted Cancer Therapy. <i>Journal of Medicinal Chemistry</i> (2024), 67(15):13349-13362. doi: 10.1021/acs.jmedchem.4c01220. IF 6.8; M21a		
2.	Virijević K, Živanović M, Pavić J, Dragačević L, Ljujić B, Miletić Kovačević M, Papić M, Živanović S, Milenković S, Radojević I , et al. Electrospun Gelatin Scaffolds with Incorporated Antibiotics for Skin Wound Healing. <i>Pharmaceuticals</i> (2024), 17(7):851. doi: 10.3390/ph17070851 IF 4.3; M21		
3.	Radojević, I.D. , Čirković, K.G., Grujović, M.Ž. K. G. Mladenović & A. M. Ostojić. Characterization of Bacterial Isolates from Tailings Pond and Their Resistance to Heavy Metals and Antibiotics. <i>Applied Biochemistry and Microbiology</i> (2024), 60, 347–357 doi: 10.1134/S0003683824020157 IF 1; M23		
4.	Milenković S, Virijević K, Živić F, Radojević I , Grujović N. Composite Nanoarchitectonics of Electrospun Piezoelectric PVDF/AgNPs for Biomedical Applications, Including Breast Cancer Treatment. <i>Materials (Basel)</i> (2024), 17(15):3872. doi: 10.3390/ma17153872. IF 3.1; M22/M21		
5.	Radojević ID. , Jakovljević VD, Ostojić AM. A mini-review on indigenous microbial biofilm from various wastewater for heavy-metal removal - new trends. <i>World Journal of Microbiology and Biotechnology</i> (2023), 39, 309 doi: 10.1007/s11274-023-03762-6 IF 4; M21		
6.	Jakovljević V., Grujić S., Simić Z., Ostojić A., Radojević I . Finding the best combination of autochthonous microorganisms with the most effective biosorption ability for heavy metals removal from wastewater. <i>Frontiers in Microbiology</i> (2022) doi:10.3389/fmicb.2022.1017372 IF 5.2; M21		
7.	Jakovljević VD, Radojević ID , Grujić SM, Ostojić AM. Response of selected microbial strains and their consortia to the presence of automobile paints: Biofilm growth, matrix protein content and hydrolytic enzyme activity. <i>Saudi Journal of Biological Sciences</i> (2022), (8):103347. doi: 10.1016/j.sjbs.2022.103347. IF 4.4; M21		
8.	Branković S, Bugarčić M, Bugarčić FŽ, Ostojić A, Petronijević J, Rosić G, Radojević I , Selaković D, Simić Z, Joksimović N. Economic, ecological, and health aspects of β -diketonate application in the process of water purification. <i>Environmental Science and Pollution Research</i> (2022), doi: 10.1007/s11356-022-19986-2. IF 5.8; M21		
9.	Radojević, I.D. , Grujić, S.M., Ranković, B.R., Čomić, Lj.R., Ostojić, A.M. Single-species biofilms from autochthonous microorganisms: biotechnological potential in automotive wastewater treatment. <i>International Journal of Environmental Science and Technology</i> (2019), 16 (10):6189-6198. doi: 10.1007/s13762-019-02265-y. IF 2.54; M22		
10.	Aleksic I, Ristivojevic P, Pavic A, Radojević I , Čomić LjR, Vasiljevic B, Opsenica D, Milojković-Opsenica D, Senerovic L. Anti-Quorum Sensing Activity, Toxicity in Zebrafish (<i>Danio rerio</i>) Embryos and Phytochemical Characterization of <i>Trapa natans</i> Leaf Extracts. <i>Journal of Ethnopharmacology</i> (2018), 222: 148–158. IF 3.414; M21		
Summary of results of scientific work			
Total number of publications			149
Total number of publications in international journals with impact factor			79
Total number of citations			1149
Participation in the realization of projects and scientific and expert studies			
The status	Name of projects	Type of project ² and financier	Project duration
Principal (P) Researcher (R)			
R	New method of inactivation of sewage sludge using biocompatible 2,4-diketo esters and its potential use in agriculture", BETAgro, ev. br. 14865.	D/R	2024-2025.
R	Understanding and exploiting the impacts of low pH on micro-organisms. CA18113.	M	2019-2023.
R	Metal-microorganisms' interactions as a basis for progressive biotechnological processes 337-00-00322-2019-09/107.	D/V– MPNTRS	2020-2022.
R	Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences	M	2019-2022.

	(TeComp) ERASMUS+ 598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP		
R	Synthesis and characterization of the complex Pd(II), Pt(II) and Au(III) and their biological activity 451-03-545/2015-09/04	D/V– MPNTRS	2015-2016.
R	Characterization and application of fungal metabolites and determining the potential of new biofungicides 173032	D/F– MPNTRS	2011-2019.
R	Preclinical testing of active substances 41010	D/F– MPNTRS	2011-2019.
R	CPCTAS, Centre for Pre-Clinical testing of Active Substances, FP7-REGPOT-2007-3 Grant agreement 206809	M	2008-2010.
R	Development and implementation of the SeLaR Information System 22001	D/V– MPNTRS	2010.
R	Biomonitoring and environmental protection of water reservoirs for water supply in Kragujevac 1252	D/F– MPNTRS	2003-2006.
² Type of project: D/F–national fundamental, D/I–national innovative, D/R–national development, D/S–national strategic, M–international, D/V–other types of projects, MPNTRS–Ministry of Education, Science and Technological Development of the Republic Serbia			
Scientific training and study stays			
Institution		Country	Duration
Faculty of Science and Mathematics in Skopje, Institute of Biology		Republic of North Macedonia	30 days
Aristotle University of Thessaloniki, Institute of Pharmacology and Toxicology		Greece	15 days
Foreign language knowledge			
English			
Membership in professional and scientific associations			
<ul style="list-style-type: none"> - Serbian Association of Microbiologists - Serbian Biological Society Stevan Jakovljević from Kragujevac - Ecological Research Society "Mladen Karaman" 			
Participation in the work of bodies and organs of the Faculty and University, management			
As a representative of researchers - Member of the Council of the Department of the Institute of Biology and Ecology from 31.10.2018. to 02.09.2019.			
Membership in the editorial board of scientific journals			
Associate editor for the field of Biology (from 2023) of the national scientific journal with international influence Kragujevac Journal of Science ISSN 1450-9636 category M24. Technical editor of the Kragujevac Journal of Science (since 2016). From 2023 - Review Editor for Synthetic Biology Frontiers in Bioengineering and Biotechnology. Member of the editorial board of the American Journal of Environmental Protection			
Reviews of scientific papers, monographs, textbooks, projects, study programs			
Reviews of scientific papers from SCI list: 17; Reviews of scientific papers of other journals: 12; Project: 2.			
Educational and scientific cooperation with other higher education and scientific institutions			
Faculty of Science, Pavol Jozef Šafárik University in Košice, Slovakia Faculty of Science and Mathematics in Skopje, Institute of Biology, Republic of North Macedonia			
Cooperation with the community			
Cooperation with the Center for Talents in scientific work with children from elementary and high schools in 2023 and 2024			
Other relevant data			
Co-author of the technical solution: SeLaR-information system - database and data analysis. Co-author of the Elaboration on the Establishment of the Scientific Institute of the University of Kragujevac.			
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