

Personal Information

Name and Surname	Olia Rcheulishvili
Date Of Birth	22.07,1984
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Education

Years	Name Of Institution	Specialty	Qualification
2007-2014	Ilia State University; Institute of Biophysics; Tbilisi, Georgia	Biophysics	Ph.D. Degree
2001-2007	IvaneJavakhishvili Tbilisi State University; Faculty of Biology; Tbilisi; Georgia;	Biomedical Toxicology	MA degree

Scientific-Pedagogical Activity and Work experience

Years	Organization	Position
2009-till now	Iv.Jabakhishvili Tbilisi State University, Andronikashvili Institute of Physics- Department of Physics of Biological systems	Scientific worker
2013- till now	Ilia State University- Institute of Biophysics,	Researcher
2015-till now	European University	Invited lecturer/ Associated Professor
2018-till now	Ilia State University, Faculty of medicine and natural sciences	Invited Lecturer
2006-2009	LTD "Multitest"-the analytical laboratory for food and beverages	Microbiologist, Analyst

Participation in advanced training courses, seminars, trainings

Nº	Year	Name of the training	Your status (facilitator, participant, organizer)
1	2021	Data analysis in SPSS (on-line training)- European University	Participant
2	2020	Taking control of your writing- Lemann Haupt International doctoral school of Gottingen University/Ilia State University	Participant

2	2019	Febs workshop on molecular life sciences education: towards a blended integrated learning ideas for science instructions- Ilia State University-Febs	Participant
3	2019	Training course for tutors in Problem Based Learning (PBL)- European-UIniversity	Participant
4	2019-11. 2019 -12	Modern teaching and assessment methods (20 hours)	Trainer
5	2019	Advanced Course "Trends in Enzymology and Biocatalysis"- Instituto Pasteur-Italia	Participant
6	2018	Workshop: "Teaching and Assessment Methods in Medical Education"-European University	Participant
7	2018	Continuing Professional Development- Module 1 New Methods in Professional Education: The American Model in Tbilisi, Georgia, on the date of July 2-4, 2018	Participant
8	2008	The High courses for CIS (Commonwealth of Independent States)-countries young scientists and PhD students with contemporary methods for investigation of nanoparticles and nanosystems; (Synchrotron and neutron methods of research nanosystems)- Joint Institute of Nuclear Research (JINR), Dubna - National Research Center "Kurchatov Institute"- Moscow- Russia	Participant

Publication

N ^o	Ye ar	Name Of Publication	
1	2022	Bioremediation potential of hexavalent chromium- resistant <i>Arthrobacter globiformis</i> 151B: Study of the uptake of Cesium and other alkali ions; Rcheulishvili Olia, Solomonias Revaz, Tsverava Lia, Metreveli Nunu, Hoi-Ying Holman; DOI: 10.1007/s10123-022-00258-5 https://link.springer.com/article/10.1007/s10123-022-00258-5	International Microbiology
2	2022	Cr (VI) biosorption at different Na (I) concentrations after Zn(II) uptake during <i>Arthrobacter</i> species growth; E.Gelagutashvili, O.Rcheulishvili, A.Rcheulishvili, M.Janjalia;	doi.org/10.48550/arXiv.2204.02309
3	2021	Rcheulishvili Olia , Metreveli Nunu, Rcheulishvili Aleksandre, Gurielidze Manana, Tugushi Lela; Reduction and uptake of Cr(VI) by <i>Arthrobacter oxydans</i> and uptake of Cr(III) by <i>Arthrobacter</i> sp. 61B under the influence of potassium and magnesium; https://journals.org.ge/index.php/aans/issue/view/22/26?fbclid=IwAR0iZrEAg8EdpYyHCFISvBhUsnHK5M6jgA7qG4g8OzMvfjLH3JmLWnC5-KY	Annals of Agrarian Science Vol 19 N1 19 (2021) pp 53-57
4	2021	E. Gelagutashvili, O. Rcheulishvili, A. Rcheulishvili; Effect of Na (I) on Bioavailability for Cr (VI) _ and Cr (III) _ <i>Arthrobacter</i> species;	arXiv preprint arXiv:2102.02012
5	2020	Proteomic responses of oxidative stress-resistant <i>Arthrobacter globiformis</i> 151B to Cr and Mg and the influence of Mg on the uptake process of Cr(III) and Cr(VI); Rcheulishvili Olia , Solomonias Revaz, Tsverava Lia, Metreveli Nunu, Rcheulishvili Aleksandre, Gurielidze Manana, Tugushi Lela; https://journals.org.ge/index.php/aans/issue/view/20/24?fbclid=IwAR1dpXHSxsaW1wgVZ8CkFqLhVGlgIm7WWEWzLhGxWVbndn4qGjx9hcscpA	Annals of Agrarian Science, Vol 18 N 4; pp 546-554

6	20 19	Heavy metals specific proteomic responses of a highly resistant <i>Arthrobacter globiformis</i> 151B; O. Rcheulishvili , L. Tsverava, A. Rcheulishvili, M. Gurielidze, R. Solomonias, N. Metreveli, N. Jojua, H-Y Holman; http://journals.org.ge/index.php/aans/issue/archive	Annals of Agrarian Science; Vol 17 No 2 (2019); pp 218-229
7	20 13	O. Rcheulishvili , N. Datukishvili, I. Gabriadze, T. Kutateladze, D. Pataraya, M. Gurielidze, N. Metreveli; Effect of Chromate on DNA of <i>Arthrobacter globiformis</i> ,	Nano-Studies, 2013, 7, 3-6. 193-200
8	20 11	Effect of Zn(II) on the reduction and accumulation of Cr(VI) by <i>Arthrobacter</i> species”; Nelly Y. Tsibakhashvili, Tamaz L. Kalabegishvili, Alex N. Rcheulishvili, Eteri N. Gintury, Levan G. Lomidze, David N. Gvarjaladze, Olia A. Rcheulishvili , H.-Y. N. Holman.	J Ind Microbiol Biotechnol ; DOI 10.1007/s10295-011-0967-y 38(11):1803-8 (2011) , PMID 21547698 ; (Impact Factor - 2.735)
9	20 09	Decomposition of Cr(V)-diols to Cr(III) Complexes by <i>Arthrobacter oxydans</i> “ N. Tsibakhashvili, T. Kalabegishvili, A. Rcheulishvili, I. Murusidze, S. Kerkenjia, O. Rcheulishvili , H.-Y. Holman	Microbial Ecology , 57(2), 360-365/ 2009 ; (Impact Factor - 2.912)

National refereed publications

1. **O. Rcheulishvili**, E. Gelagutashvili; Effect of Na (I), Ca(II), Mg(II), Rb (I), Cs (I) ions on *Arthrobacter* species bacterium, which were cultivated in the presence Cr(VI); **2018**, Nano Studies,
2. O. Rcheulishvili. Uptake and distribution of Cu, Mn, Cd and Zn from soil by Barley and Wheat; Proceedings of the Georgian National Academy of Sciences Chemical series; 2017 #1, Vol 43. pp 88-92. **2017**
3. E. Kirkesali, T. Kalabegishvili, L. Tugushi, **O. Rcheulishvili**; Study of Accumulation of Some Chemical Elements in the Atmospheric Sediments of Georgia By the Method of Mosses Biomonitoring Using Atomic Absorption Spectrometry; Proceedings of the Georgian National Academy of Sciences Chemical series 2017 #3-4 Volume 43; pp 373-382. **2017**
4. N. Rcheulishvili, E. Kakabadze, A. Rcheulishvili, **O. Rcheulishvili**; The Influence of Zinc on Na and K absorption process in lactic acid bacteria; Nano- Studies, **2016**;
5. **O. Rcheulishvili**, L. Tugushi, E. Gelagutashvili, A. Rcheulishvili, N. Rcheulishvili, E. Ginturi; “Accumulation of Cadmium by basil (*Ocimum basilicum*), coriander (*Coriandrum sativum*) and saffron (*Crocus sativus* L) from cadmium-enriched soil”, “Nano Studies”, **2013**, 8, 2013-216.
6. **O. Rcheulishvili**, N. Metreveli, A. Rcheulishvili, D. Papukashvili, N. Rcheulishvili, L. Tugushi, “The study of Cadmium distribution and accumulation by Saffron“, “Proceedings of the Georgian National Academy of Sciences” **2013** #3-4 volume 39; 226-228
7. Formation of complexes in the System *Arthrobacter oxydans* – Cr(VI)/ N. Tsibakhashvili, T. Kalabegishvili, A. Rcheulishvili, E. Gintury, M. Janjalia, D. Pataraya, M. Gurielidze, **O. Rcheulishvili**, S. Kerkenjia, D. Gvardjaladze, A. Abashidze/ **Proceedings of the Georgian National Academy of Sciences, series: Chemistry of Coordinational Compounds**, **35(3), 360-365. 2009**
8. *Investigation of the influence of HClO₄ on the Atomic Absorption Signal of Chrome/ A. Rcheulishvili, N. Tsibakhashvili, O. Rcheulishvili, A. Abashidze, M. Janjalia/ Georgian Engineering News, N2, 2009. c. 144-147.*

Editorial Board Membership of Scientific Publications

Nº	Title of the Scientific Publication	Position
1		

Scientific Activities

Nº	Year	Name Of Scientific Activities	
1	09.12.2016-08.12.2019	The SRNSF project: "The influence of different metal ions on the Cr(VI) reduction process ongoing in bacteria such as Arthrobacter species"	Principal Investigator, Manager of the project
2	01.09.2012-01.09.2014	STCU Project 5635 "Studying the accumulation and distribution of toxic elements by some Georgian feed plants"	PI and Manager of the grant
3	28.04.2015- 27.04.2017	Project of SRNSF: Investigation of atmospheric deposition of heavy metals in Georgia using moss biomonitoring and physical analytical techniques Ar/198/9-240/14	Assistant personnel
4	2009 (12 months)	President Grant for young scientists project: GNSF/PRES08/6-342, "Genetic basis of Cr-resistance in bacteria such as Arthrobacter species"	PI and Manager of the Project
5	2012-2015	SRNSF project DI/23/7-230/12 "Thermodynamics of DNA quadruplexes"	Key personnel
6	2010-2013	Methods of production Nanoparticles using Extremophiles	Assistant personnel
7	2029-2011	STCU Project 5002/543: „Biosynthesis and characterization of Au and Ag nanoparticles"	Assistant
8	2009 (12 months)	IvaneBeritashvili scholarship	Scholarship recipient
9	2007-2009	STCU-GNSF project #4330: „Detoxification of Heavy metal ions by basalt-inhabiting bacteria"	Assistant
10	2004-2007	CRDF Project GE-B2-2597_TB-04.: „Mechanisms of Microbial Reduction and Detoxification of Heavy Metal Ions"	Assistant

Knowledge of a foreign language

Foreign Language	Beginning Level	Medium Level	Good Level	Very Good Level	Select if you have the appropriate certificate
English				V	
German		V			
Russian			V		
Spanish	V				

Knowledge of office programs

	Beginning Level	Medium Level	Good Level	Very Good Level
Microsoft Office Word				V
Microsoft Office Excel		V		
Microsoft Office PowerPoint				V
Zoom				V
google drive				V
Other				

Additional information

Optionally you can specify additional

2019, I was a supervisor of the thesis of master's research: student Maia Zirkadze, Ili State University-title of the work:
"The study of the uptake of some heavy metals, by bacteria of Arthrobacter species"