

PERSONAL INFORMATION

Iustina POPESCU (Boajă)



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Gender Female | Date of birth 11/09/1986 | Nationality Romanian

WORK EXPERIENCE

June 2024- onwards	Scientific Director, Senior Scientific Researcher (II)
	Geological Institute of Romania
	<ul style="list-style-type: none"> Research in geochemistry, environmental protection, sustainable development, circular economy
December 2020 - June 2024	Head of Sustainable Development Department, Senior Scientific Researcher (II)
	Geological Institute of Romania
	<ul style="list-style-type: none"> Research in geochemistry, environmental protection, sustainable development, circular economy
March 2021 - onwards	Associated Professor
	University POLITEHNICA of Bucharest, Department for Didactic Personnel Training
	<ul style="list-style-type: none"> Teaching - The didactics of technical specialties
September 2022 - onwards	Consultant - Member of “A Soil Deal for Europe” Horizon Europe Mission
	European Commission - Research Executive Agency
	<ul style="list-style-type: none"> Consultancy in the implementation of the UE research and innovation programs and politics in the “A Soil Deal for Europe” Mission
April 2018 - October 2020	Senior Scientific Researcher (II)
	National Institute for Research and Development in Environmental Protection - INCDPM Bucharest
	<ul style="list-style-type: none"> Research in environmental protection
June 2013 - April 2018	Scientific Researcher (III)
	National Institute for Research and Development in Environmental Protection - INCDPM Bucharest
	<ul style="list-style-type: none"> Research in environmental protection
January 2013 - June 2013	Junior Scientific Researcher
	National Institute for Research and Development in Environmental Protection - INCDPM Bucharest
	<ul style="list-style-type: none"> Research in environmental protection
January 2012 - January 2013	Scientific Research Assistant

	Geological Institute of Romania
	<ul style="list-style-type: none"> • Research in geochemistry and environmental protection
07.2012 - 11.2012	Secretary of State Counselor
	Ministry of Environment and Forests
	<ul style="list-style-type: none"> • Consultancy on environmental problems • Informing and helping to improve activities that are held in subordinate and coordinate units

EDUCATION

October 2022 - June 2024	Master in Management of Public Administration	ISCED 7
	Faculty of Public Administration, National University of Political Studies and Public Administration (SNSPA) - Romania	
	Management of Public funding, Effective public administration, E-governance Valedictorian	
13-14 September 2022	Training course/ Participation Certificate	
	GTK - Geological Survey of Finland	
	Current approaches of mining waste management	
22 September 2021	Training course/ Participation Certificate	
	RemTech EUROPE	
	Current Approaches for Vapor Intrusion Site Investigation and Mitigation	
20 September 2021	Training course/ Participation Certificate	
	RemTech EUROPE	
	PFAS: characterization, environmental impact and remediation strategies	
03-06 March 2014	Training course/ Participation Certificate	
	Michigan State University, Institute of International Health and Fogarty International Center Program on Environmental Health in the Balkans	
	Solving Contaminant Problems for a Sustainable Environment through Application of Environmental Engineering and Science Concepts II, Edition 2014	
2009-2012	PhD in Chemical Engineering	ISCED 8
	University POLITEHNICA of Bucharest, Doctoral school of the Faculty of Applied Chemistry and Materials Science	
	The main factors that influence heavy metals speciation in soil; Best available technique for heavy metals polluted soils according to their speciation; Risk assessment of human health in heavy metals polluted areas.	
15-19 May 2012	Training course/ Participation Certificate	
	Environmental audit	
	SC Auditeco Ges SRL	
05-08 March 2012	Training course/ Participation Certificate	
	Michigan State University, Institute of International Health and Fogarty International Center Program on Environmental Health in the Balkans	
	• Solving Contaminant Problems for a Sustainable Environment through Application of Environmental Engineering and Science Concepts, Edition 2012	
15 February 2012	Training course/ Participation Certificate	
	University POLITEHNICA of Bucharest, dr. Claudio DONDI, Scierter, Italy	
	The Management of European Funded Research Programs	
26-27 October 2011	Training course/ Participation Certificate	

	Doctorate In Universities of Excellence - Research Assessment And Support For Scientific Publishing	
	National Program of Training on Scientific Publishing	
November 2010- April 2011	PhD fellowship	ISCED 8
	University of Torino, Italy, Department of Valorization and Protection of Agro-forestry Resources	
	The main factors which influence heavy metals speciation in soil; Best available technique for heavy metals polluted soils according to their speciation; Risk assessment of human health in heavy metals polluted areas	
2009 - 2011	Master in Chemical Engineering	ISCED 7
	University POLITEHNICA of Bucharest, Faculty of Applied Chemistry and Materials Science, Department of Analytical Chemistry and Environmental Engineering	
	Analytical Control of Environment Quality And Remediation Techniques * Dissertation exam mark: 10	
29 November- 8 December 2010	International Winter School	ISCED 7
	University of Nova Gorica, Slovenia	
	Monitoring, Fate and Toxicity Of Toxic Compounds In The Terrestrial Environment	
29-27 septembrie 2010	Training course/ Participation Certificate	
	European Institute of Romania	
	Integrated Waste Management Systems in The Context of European Law	
9-12 March 2010	Training course/ Participation Certificate	
	Michigan State University, Institute of International Health and Fogarty International Center Program on Environmental Health in the Balkans	
	Fate of Contaminants in Natural and Engineered Systems	
October 2004 - July 2009	Bachelor of Science in Chemical Engineering	ISCED 6
	University POLITEHNICA of Bucharest, Faculty of Applied Chemistry and Materials Science	
	Mathematics, Analytical Chemistry, Inorganic Chemistry, Physics, Electrochemistry, Environmental Chemistry, Ecotoxicology, Chemical Engineering, Biochemistry, Environmental Legislation, Wastewater Treatment, Waste Management Field: Environmental Protection and Engineering in Chemical and Petrochemical Industry Valedictorian	
17 March 2009	Training course/ Participation Certificate	
	ABL&E-Jasco Romania	
	Laboratory workshop on Chromatography, Laboratories Accreditation	
13-14 November 2008	Training course/ Participation Certificate	
	European Institute of Romania	
	The Environmental Policy of the European Union	
25-26 octombrie 2007	Training course/ Participation Certificate	
	University POLITEHNICA of Bucharest, CEEX RIWATECH Project	
	Integrated Pollution Prevention and Control - Advanced Wastewater Treatment In Pulp And Paper Industry	

Mother tongue(s)	Romanian				
Other language(s)	UNDERSTANDING			SPEAKING	WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Engleză	C2	C2	C2	C2	C2
Italiană	B1	B1	A1	A1	A1
	Levels: A1/A2: Elementary user - B1/B2: Independent user - C1/C2: Experienced user European commune frame for foreign languages				
Communication competences	Very good skills in communication applied in the dissemination of the scientific results at international events. A high capacity of presenting information and teaching the technical disciplines (Certificate of accomplishment of the Didactics and Pedagogy module - University POLITEHNICA of Bucharest)				

PERSONAL COMPETENCES

Organizational/Managerial skills and competences

- Member of the Organizing Committee of RICCE - Romanian International Conference on Chemistry and Chemical Engineering - RICCE 17, 2011.
- Organizing the Training courses "Solving Problems for Contaminant Sustainable Environment through the Application of Environmental Engineering and Science Concepts" 2012 and 2014 with representatives of Michigan State University.
- Organizing the International Conference "New tools for sustainable management of aquatic living resources - AQUALIRES 2014" with representatives of Romanian Academy, Balkan Environmental Association and General Fisheries Commission for the Mediterranean, 2014
- Coordinator of the IGR Technological Information Centre
- Responsible with the Innovation Management

Social skills and competencies

- Punctuality.
- Good communication.
- Good teamwork collaboration.
- The ability to easily understand the equipment functioning, technological processes, etc.

Digital competences

AUTOEVALUATION				
Information processing	Communication	Content creation	Security	Problems solving
Experienced user	Experienced user	Experienced user	Independent user	Independent user

Levels: Elementary user - Independent user - Experienced user

Computer Operator certificate, 2004

Experienced user of the software: Microsoft Office, Origin, JMP, CSOIL

Other skills and competences

- Expert in elaboration of the environmental studies certified by the Ministry of Environment, Waters and Forests
- Technical expert - RENAR
- CNCAN certification for using the equipment with ionizing radiation
- Member of the **Marine Geology** Expert Group - **EuroGeoSurveys**
- Member of the Technical Working Group on **Soil pollution** - **EU Soil Observatory**
- Member of the Technical Working Group on **Soil data integration** - **EU Soil Observatory**
- Member of the **American Association for Science and Technology**
- Member of the **Asian Council of Science Editors**
- Reviewer for the international journals:
 - **Ecotoxicology and Environmental Safety,**
 - **Chemosphere,**
 - **Environmental Research,**
 - **Minerals,**
 - **Science of total Environment,**
 - **Ecology of Fresh Water and Fish,**
 - **Merit Research Journal of Environmental Sciences,**
 - **International Journal of Applied Agricultural Research,**
 - **International Journal of Engineering Science Invention,**
 - **Studies in Natural Products Chemistry,**
 - **American Journal of Environmental Engineering and Science.**
- Editorial board member of the **American Journal of Environmental Engineering and Science**
- Scientific Committee member of **ICES 2014 - 3rd ScienceOne International Conference on Environmental Sciences**, 21-23 January 2014, Dubai, United Arabian Emirates

- Scientific Committee member of **SEEE2015 - International Conference on Sustainable Energy and Environmental Engineering**, 26-27 July 2015, Phuket, Thailand
- Expert of the Water and Land Group from **IMPEL - European Union Network for the Implementation and Enforcement of Environmental Law** from 2021
- Member of the Technical Program Committee of **EDEP 2021 - 4th International Conference on Energy Development and Environmental Protection**, 23-25 July 2021, Guiyang, China
- Member of the Scientific Committee of **REMTECH Europe International Conference**, Ferrara, Italy in 2023
- Organizer and Member of the Scientific Committee of **REMTECH Europe International Conference**, Ferrara, Italy in 2024
- Member in the Advisory Board for **Soil Pollution and Restoration Think Tank of the SOLO EU Horizon project**
- Editor for the **Special Issue** of Applied Sciences Journal “Innovative and Sustainable Approaches for Enhancing Soil Health and Mitigating Land Degradation” (https://www.mdpi.com/journal/applsci/special_issues/Soil_Land)

Driving license B Category (since 2005)

ADDITIONAL INFORMATION

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- **Lecturer in the training courses** “Solving Contaminant Problems for a Sustainable Environment through Application of Environmental Engineering and Science Concepts” , 2012 and 2014 Editions
 - **Gold Medal** for the presentation “Remediation of lead polluted soil with fish bones” at The 4th National Congress of Researches and Inventors - with International participation, May 23-26, 2012
 - Invited expert at The Scientific Support to the Danube Strategy - Danube Land and Soil Nexus, Ispra, Italy March 21-22, 2013
 - Invited expert at The Scientific Support to the Danube Strategy - Workshop on the Danube Innovation Partnership, June 23-25, 2013

ANNEXES

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1. Scientific publications and projects list (4 books, 21 scientific papers, 30 presentations at international events, 19 research projects)

Annex 1: Scientific publications and projects list

1. PhD thesis:

Title: “Studies and Research on soil contamination with heavy metals”, Coordinator: **prof. Dr. Ionel Constantinescu**[†] - Polytechnic University, Romania, Fellowship coordinator: **prof. Dr. Franco-Ajmone Marsan** - University of Turin, 2012

2. Books

2.1. Co-author

2.1.1. D. Long, T. Voice, R. Stanescu, I. Bica, I. Stanescu, **I. Popescu**, D. Gaitanaru, **Solving Contaminant Problems for a Sustainable Environment through Application of Environmental Engineering and Sciences Concepts - 2012 Edition**, Conspress, Bucharest, 2012, ISBN: 978-973-100-205-7

2.1.2. Gy. Deak, A.M. Badilita, **I. Popescu**, C.M. Raischi, P.A. Manoliu, G. Dorobanțu, G.S. Tanase, T. M. Danalache, A.G. Antohe, M. Tudor, **Research Tools and Techniques for Sturgeon Spawning Migration Monitoring**, Universitas, Petrosani, 2013, ISBN: 978-973-741-339-0

2.1.3. D. Long, T. Voice, R. Stanescu, I. Bica, I. Stanescu, **I. Popescu**, D. Gaitanaru, **Solving Contaminant Problems for a Sustainable Environment through Application of Environmental Engineering and Sciences Concepts - 2014 Edition**, Conspress, Bucharest, 2014, ISBN: 978-973-100-328-3

2.1.4. F. Swartjes, F., Benedetti, **I. Popescu Boajă, I.**, E. Fabbrizi, M. Falconi, G. Grima, D. Gruza, M. Mallada, L.C. Matei, D. Perșa C. Pisani, A. Plows, R. Riberti, P. Siligardi, A. Valley, **Oxidarea Chimică in-situ (ISCO)**. IMPEL, COMMON FORUM, EIONET, NICOLE report no 2020/09 ISCO RO, 2021, Brussels, ISBN: 978-2-931225-05-9

2.1.5. D. Müller-Grabherr, T. Albergaria, F. Benedetti, **I. Popescu Boajă**, S. El Fadili, M. Falconi, F. Fuin, G. Grima, L.C. Matei, D. Perșa, A. Plows, A. Sconocchia, A. Valley, **Extracția vaporilor din sol (SVE)**. IMPEL, COMMON FORUM, EIONET, NICOLE report no 2020/09 SVE RO, 2021, Brussels, ISBN: 978-2-931225-16-5

2.1.6. M. Falconi, D. Müller-Grabherr, F. Swartjes, W. Gevaerts, P. Tyrologou, N. Couto, F. Benedetti, **I. Popescu Boajă**, M. Cozzani, F. Fuin, G. Hatipoğlu, A. Laganà, J. Reinikainen, **Multi Phase Extraction (MPE)**. IMPEL, COMMON FORUM, EIONET, NICOLE report no 2022/10 MPE, 2022. Brussels, ISBN 978-2-931225-29-5

2.1.7. M. Falconi, D. Müller-Grabherr, F. Swartjes., **I. Popescu Boajă**, M. Confalonieri, N. Couto, M. Falconi, G. Kara, K. Morgan, A. Sconocchia, R. Tietz, **Soil Washing (SW)**. IMPEL, COMMON FORUM, EIONET, NICOLE report no 2022/10 SW, 2023. Brussels, ISBN: 978-2-931225-30-1

2.2. Co-editor

2.2.1. Gy. Deak, F. Vosniakos, **I. Popescu**, G. Dorobanțu, G. Tănase, M. Tudor, M. Golumbeanu, **Book of Abstracts - International Conference “New tools for sustainable management of aquatic living resources”**, Bucharest, Romania, ISBN: 978-973-741-357-4, 2014, 135 pages

3. ISI Journals papers

3.1. **I. Popescu**, M. Biasioli, F. Ajmone-Marsan, R. Stanescu, **Liability of potentially toxic elements in soils affected by smelting activities** Chemosphere, Vol.90, pp. 820-826, 2013, ISSN 0045-6535, DOI: 10.1016/j. Chemosphere.2012.09.091, <https://www.sciencedirect.com/science/article/abs/pii/S0045653512012325>

3.2. **I. Popescu**, R. Nimirciag, G. Vina, F. Ajmone-Marsan, **Spatial distribution of potentially toxic elements in soils polluted by mining**

activities, Chemistry Magazine, Vol.5, 2013, ISSN 0034-7752, pp. 477-481,

<https://bch.ro/pdfRC/POPESCU%20IUSTINA.pdf%205%2013.pdf>

3.3. I. Popescu, R. Stanescu, M. Biasioli, F. Ajmone-Marsan, I. Constantinescu, **Assessing human risks through CSOIL exposure model for a soil contamination associated to heavy metals**, U.P.B. Sci. Bull., Series B, Vol. 75, Iss. 1, 2013, ISSN: 1223-7027, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/fulla2c_124745.pdf

3.4. Gy. Deak, A.M. Badilita, I. Popescu, M. Tudor, **Research on sturgeon migration behaviour using a new monitoring, control and alarming system**, Journal of Environmental Protection and Ecology, Vol. 15, 2014, ISSN 1311-5065, <https://scibulcom.net/en/article/kXG5JCmNK10dYOa0vhlD>

3.5. T. Danalache, A.M. Badilita, Gy. Deak, E. Holban, I. Popescu, A. Daescu, M. Raischi, G. Ghita, C.G. Nicolae, S. Diaconescu, **Assessment of Bastroe channel possible impact on Lower Danube Sturgeon migration**, AACL Bioflux, 2017, ISSN 1311-5065, <http://www.bioflux.com.ro/docs/2017.1011-1018.pdf>

3.6. A.-M. Anghel, F. Marinescu, M. Ilie, G. Ghiță, P. Ionescu, I. Mărcuș, C. Tociu, A. Moncea, M. Mîțiu, I. Popescu, I. Laslo, D. Dumitru **Advanced processing of environmental data for establishing the ecological status of the lower Danube water in terms of nutrients**, Environmental Protection and Ecology, 2017, ISSN 1311-5065, <https://scibulcom.net/en/article/7r1qRkk7s9iy9gLgYP0N>

3.7. Tociu C., Anghel A-M, Marinescu F., Ilie M., Holban E., Matei M., Dumitru F.D., I. Popescu, L. Laslo, A. Daescu, **Possibilities for efficient use of valuable materials from aluminum slag to remove specific pollutants in wastewater**, Environmental Protection and Ecology, 2017, ISSN 1311-5065, <https://scibulcom.net/en/article/XJO8GEFzWMtsRbvUBmvi>

3.8. G. Ghita, M. Ilie, R. Szep, F. Marinescu, A.-M. Anghel, C. Tociu, I. Popescu, E. Holban, I. Marcus, M. Matei, GY. Deák, **Numerical modelling and simulation of wastewater treatment processes in the sewage system**, Environmental Protection and Ecology, 2017, ISSN 1311-5065, <https://scibulcom.net/en/article/7r1qRkk7s9iy9gLgYP0N>

3.9. E Holban., M. Matei , S. Fronescu, A. Daescu, M. Raischi, G. I. Petrache, M. Ilie, D. Dumitru, A. Moncea, F. Marinescu, C. Tociu, V. Daescu, I. Popescu, **Assessment of atmospheric pollution in a cement factory area situated in the eastern part of Romania**, Environmental Protection and Ecology, 2017, ISSN 1311-5065, <https://scibulcom.net/en/article/2qoyL1G5nRsggsm9pUN8>

3.10. V.M. Radu, I. Popescu Boajă, A. A. Ivanov, G. Dinca, R. Szabo, **Forthcoming Opportunities for Obtaining Energy from New Renewable Sources in Romania, 2023**, Renewable Energy Systems in Smart Grid , Springer, https://link.springer.com/chapter/10.1007/978-981-19-4360-7_5

3.11. I. Popescu Boajă, V.M. Radu, G. Dinca, R. Szabo, M.A. Anghel, **Spatial Distribution and Mobility of Potentially Toxic Elements in the Soils of Romania**, Advances in Science, Technology and Innovation, Springer, 2024, pp. 315-318, https://link.springer.com/chapter/10.1007/978-3-031-43922-3_71

3.12.. R. Balint, I. Popescu Boajă, **Assisted phytoextraction as a nature-based solution for the sustainable remediation of metal(loid)ontaminated soils**, 2024, Integrated Environmental Assessment and Management <https://setac.onlinelibrary.wiley.com/doi/abs/10.1002/ieam.4907>

3.13. H. Binner, P. Wojda, F. Yunta, T. Breure, A. Schievano, E. Massaro, A. Jones, J. Newell, R. Paradelo Nunez, I. Popescu Boajă, E. Baltreanaite-Gedienė, T. Tuttolomondo, N. Iacuzzi, G. Bondi, V. Zupanc, L. Mamy, L. Pacini, M. De Feudis, V. Cardelli, A. Kicinska, M. Stock, H. Liu, E. Demiraj, C. Schillaci, **Urban soil threats in the European Union, a systematic review**. Water, Air, & Soil Pollution, Springer, 2024, <https://link.springer.com/article/10.1007/s11270-024-07288-x>

4. ISI Proceedings and International databases indexed papers

4.1. I. Popescu, R. Stanescu, **Human Exposure at trace metals from mining activities - Case study: Zlatna, Romania**, Proceedings of the 12th International GeoConference SGEM, ISSN 1314-2704, pp. 99-106, 2012, DOI: 10.5593/sgem2012

4.2. I. Popescu, R. Nimirciag (Balint), **Environmental impact of closing mining activities - A case study from Bălan, Romania**, Proceedings of the 12th International GeoConference SGEM, ISSN 1314-2704, pp. 73-80, 2012, DOI: 10.5593/sgem2012

- 4.3. **I. Popescu**, M. Biasioli, F. Ajmone-Marsan, R. Stănescu, **Potentially toxic metals contamination in soils. A comparison of tools to assess their lability (EDTA, SBET, soil solution)**, Proceedings of the Third International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference, 2011, ISBN 978-960-6865-43-5
- 4.4. A. Miron, C. Modrogan, O. Orbulet, C. Costache, **I. Popescu**, **Treatment of acid blue 25 solution by electro-coagulation**, U.P.B. Sci. Bull., Series B, Vol. 72, Iss. 1, 2010, ISSN: 1223-7027
- 4.5. **I. Popescu**, Gy. Deak, I., G. Dorobantu, **Assessment of soil texture influence on nitrates leachability in unsaturated soils**, Proceedings of International Conference of Unsaturated soils: Research and Applications, 2014, ISBN 978-1-138-00150-3
- 4.6. R. Nimirciag (Balint), **I. Popescu**, F. Ajmone-Marsan, **Removal of leached metals from flooded /drained contaminated soils using zeolites**, Proceedings of International Conference of Unsaturated soils: Research and Applications, 2014, ISBN 978-1-138-00150-3
- 4.7. V.-M. Radu, A. Ivanov, P. Ionescu, E. Diacu, **I. Popescu**, C. Tociu, **Multivariate statistical analysis of metals in Lower Danube sediments**, Bulletin of Romanian Chemical Engineering Society, Vol 3, Nr 1, 2017, ISSN 2360-4697
- 4.8. M. Ilie, F. Marinescu, G. Ghita, A.-M. Anghel, C. Tociu, **I. Popescu**, M. Matei, E., Holban, Gy. Deák, M. Raischi, C. Cirstinoiu, B. Uritescu, **Spatial distribution of heavy metal contamination and ecological risk assessment in water from the Danube River**, International Journal of Environmental Science, Volume 2, 2017, ISSN: 2367-8941
- 4.9. A.M. Badilita, T. Danalache, M. Raischi, Gy. Deák, A. Cristea, E. Holban, S. Zamfir, G. Badea, I. Gheorghe, M. Boboc, M. Matei, B. Uritescu, C. Cirstinoiu, G. Tudor, **I. Popescu Boajă**, D. Stefan, **Identification of anthropogenic factors and assessment of their possible impact on preservation of sturgeon species from the Lower Danube**, Proceedings of ISB-INMA-TEH' 2017 - Agricultural and Mechanical Engineering, 2017, ISSN: 2537 - 3773
- 4.10. **I. Popescu Boajă**, V.-M. Radu, G. Dinca, R. Szabo, A.M. Anghel, **Spatial distribution and mobility of potentially toxic elements in the soils of Romania**, EMCEI 2021, SCOPUS Proceedings
- 4.11. V.-M. Radu, **I. Popescu Boajă**, G. Dincă, R. Szabo, A.M. Anghel, **The potential recovery of critical elements from secondary raw materials existent in Romania**, EMCEI 2021, SCOPUS Proceedings

5. Presentations at international events

- 5.1. **I. Popescu**, D. Long, T. Voice, R. Balint, R. Stănescu, **The impact of gardening on heavy metals speciation in soils affected by smelters**, 11th European Meeting on Environmental Chemistry, Portoroz - Slovenia, December 8-11, 2010, ISBN: 978-961-6311-66-3
- 5.2. **I. Popescu**, M. Biasioli, F. Ajmone-Marsan and R. Stănescu, **Potentially toxic metals contamination in soils. A comparison of tools to assess their lability (EDTA, SBET, soil solution)**, Proceedings of the Third International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference, Skiathos - Greece, June 19-24, 2011, ISBN: 978-960-6865-43-5
- 5.3. **I. Popescu**, M. Biasioli, F. Ajmone-Marsan, R. Stănescu, I. Constantinescu, **Potentially toxic metals contamination in soils. A comparison of tools to assess their lability (selective and sequential procedures)**, 17th Romanian International Conference on Chemistry and Chemical Engineering - Sinaia, September 7-10, 2011
- 5.4. **I. Popescu**, R. Balint, **Environmental pollutants assessment - trace metals contamination of soil**, International Conference Environment - Landscape - European Identity, Bucharest, November 4 - 6, 2011
- 5.5. **I. Popescu**, R. Nimirciag (Balint), D. Long, T. Voice, R. Stănescu, **Speciation of lead in smelter contaminated pasture and garden soils**, 7th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries - EMCC7, Corfu - Greece, April 27 - May 1 2012
- 5.6. **I. Popescu**, R. Nimirciag (Balint), **Environmental impact of closing mining activities - A case study from Bălan, Romania**, The 12th International GeoConference SGEM, Albena - Bulgaria, June 17-23 2012
- 5.7. **I. Popescu**, R. Stănescu, **Human Exposure at trace metals from mining activities - Case study: Zlatna, Romania**, The 12th International GeoConference SGEM, Albena - Bulgaria, June 17-23 2012

- 5.8. I. Popescu, Remediation of lead polluted soil with fish bones, The IV National Congress of Researchers and Inventors 2012 , May 23-26, 2012
- 5.9. I. Popescu, M. Biasioli, R. Stanescu, F. Ajmone-Marsan, Biodisponibilità di metalli pesanti in suoli contaminati da attività minerarie e metallurgiche, XXX Convegno Nazionale della Società Italiana di Chimica Agraria, Milano-Italia, September 18-19, 2012
- 5.10. R. Nimirciag (Balint), I. Popescu, F. Ajmone-Marsan, Bioaccessibility of metals in flooded soils assessed by in vitro simple bioavailability extraction test, 7th European Conference on Pesticides and Related Organic Micropollutants in the Environment, Porto-Portugal, October 7-10, 2012
- 5.11. G. Dorobanțu, Gy. Deak, I. Popescu, The impact of land use changes in urban planning, 1st International U.O.C. - B.E.N.A. Conference - The sustainability of pharmaceutical, medical and ecological education and research (SPHAMEER), Constanta, Romania, June 20-23, 2013
- 5.12. I. Popescu, Gy. Deak, G. Dorobanțu, G. Tănase, Ecological risk assessment of nutrients discharges from Danube River to Black Sea, Proceedings of the International conference “Marine Research Horizon 2020” (MARES), Varna, Bulgaria, September, 17-20, 2013
- 5.13. A.M. Bădiliță, Gy. Deak, A. Ionașcu, I. Popescu, G. Tănase, Improved monitoring of migratory anadromous marine sturgeons using DKTB telemetry station, Proceedings of the International conference “Marine Research Horizon 2020” (MARES), Varna, Bulgaria, September, 17-20, 2013
5. 14. V.M. Radu, P. Ionescu, Gy. Deak, I. Popescu, A. Varduca, E.Diacu, Parametrical intercorrelations algorithms between water quality indicators in the Danube River, Proceedings of the International conference “Marine Research Horizon 2020” (MARES), Varna, Bulgaria, September, 17-20, 2013
5. 15. P. Ionescu, V.M. Radu, Gy. Deak, A. Varduca, I. Popescu, E.Diacu, Lead distribution at aqueous - solid phase interfaces in aquatic environment, Proceedings of the International conference “Marine Research Horizon 2020” (MARES), Varna, Bulgaria, September, 17-20, 2013
5. 16. I. Popescu, T. Voice, D. Long, R. Balint (Nimirciag), R. Stănescu, The influence of lead speciation in soil on human bioaccessibility, One Health Summit, Davos, Switzerland, November 17-20, 2013
5. 17. M. Cristea, Gy. Deak, I. Popescu, M. Chiriac, G. Tanase, M. Raischi, The interactions between biotic and abiotic factors in Lower Danube River, International Conference New tools for sustainable management of aquatic living resources - AQUALIRES, 17-18 January 2014
5. 18. G. Dorobanțu, Gy. Deak, I. Popescu, T. Dănilache, New directions for urban sprawl and the impact on environmental compartments, International Conference New tools for sustainable management of aquatic living resources - AQUALIRES, 17-18 January 2014
5. 19. I. Popescu, G. Dorobantu, Gy. Deak, M., Radu, P. Ionescu, P., Spatio-temporal trends of potentially toxic metals in surface sediments of the Lower Danube River, International Conference New tools for sustainable management of aquatic living resources - AQUALIRES 2014, 17-18 January 2014
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- 5.31. R. Szabo, **I. Popescu Boajă**, A. Tătaru, A.M. Turculet, Comparison of sample preparation methods for characterization of soil geochemistry by handheld X-RAY Fluorescence. REMTECH EUROPE CONFERENCE, FERRARA, ITALY, September 2023
- 5.32. C. Filipciuc, E. Tudor, I. Stoian, A. Ovidiu, I. Scutelnicu, A. Ulmeanu, A. Tătaru, **I. Popescu Boajă**, Sustainable soil management using Ground Penetrating Radar technique, REMTECH EUROPE CONFERENCE, FERRARA, ITALY, September 2023
- 5.33. C. Schillaci, **I. Popescu**, E. Baltrėnaitė-Gedienė, E. Miglio, S. Sala, F. van Egmond, M. Fantappiè, B. Pereira, L. Flichev, S. Di Lonardo, P. Henning Krogh, M. Hrabalikova, E. Nadal-Romero, A. Ladenberger, M. van Liedekerke, Soil data sharing in EU, a survey of available soil datasets found in the scientific literature, EGU Conference, Viena, Austria, 2023
- 5.34. K. Rosenow, **I. Popescu**, A. Krzywoszynska, One year into the Mission Soil: achievements, lessons learned, and future opportunities for the Living Lab community, Open Living Labs Days 2024: Driving systemic change through Soci(et)al Engagement, for real impact, Timișoara, România, 2024

6. Projects list

- 6.1. COMPETE - Development of competitive scientific careers through doctoral scholarships - Sectorial Operational Program Human Resources Development 2007-2013, Contract no. POSDRU/88/1.5/S/60203 - **targeted group member**
- 6.2. Training and Research in Environmental Health in Balkans - TREHB - grant 2 D43 TW00-641 from the Fogarty International Center, National Institutes of Health, U.S.A. to the Institute of International Health at Michigan State University - **targeted group member**
- 6.3. Geological synthesis of natural resources with economic interest non-metallic minerals (graphite, talc, asbestos, garnet, beryl) of the Southern Carpathians, Contract with Ministry of Economy, Commerce and Business Management no. 259/31.08.2012 - **project team member**
- 6.4. Monitoring the environmental impact of the works regarding the improvement of the navigation conditions on the Danube River between Calarasi and Braila, km 375 and km 175 (2011 - 2017), Contract no. 53/2011 - **project team member**
- 6.5. Research regarding nitrates leachability to groundwater in a vulnerable area, PN 09060110 - Contract no. 6N/ Additional note no. 2/2013 - **project co-responsible**
- 6.6. Development of evaluation and control procedures for risks associated to accidental pollution of surface waters in Romania - PN 09 06 02 38, Contract no. 6N / Additional note 1/2013 - **project team member**
- 6.7. Risk assessment of persistent organic pollutants accidental discharges from wastewater treatment plants. Consequences and effects on biota, PN 09 06 01 Contract no. 6N / Additional note 1/2013 - **project co-responsible**

- 6.8. BUILD SEE- Addressing the divide between EU indications and their practical implementation in their green construction and eco-social requalification of residential areas in Southeast Europe Regions - South East Europe Transnational Cooperation Program (2012-2014) - **management team member** (monitoring and evaluation referee)
- 6.9. Research regarding urban sprawl and the purpose of integrated environmental planning in sustainable spatial management - PN 09060357 - Contract no. 6N/2009 Additional note 2/2013 - **project team member**
- 6.10. Research regarding the use of geosynthetics for ecological rehabilitation and economic recovery of industrial waste landfill - PN 09060132 - Contract no. 6N/2009, Additional note no. 1/2013 - **project co-responsible**
- 6.11. Research regarding modelling of atmospheric pollutants dispersion through comparison of new generation models - PN 09 06 01 14 - Contract no. 6N/2009, Additional note no. 1/2014 - **project co-responsible**
- 6.12. Study regarding the quality monitoring of the physical-chemical and biological components from Danube Delta and the adjacent coastline considering the transboundary impact of the Bastroe channel, during 2010-present, and the environment consequences analysis in the Danube Delta Biosphere Reservation and the adjacent coastline determined by the Bastroe Project Contract no. 158/2013 - **project team member**
- 6.13. Studies for achieving shore-protection of wetland area Divici-Pojejena - **project team member**
- 6.14. Research for developing a GIS model useful for municipal waste management planning at local or regional level PN 09060353.1 - **project team member**
- 6.15. Research for reducing hazardous chemicals from municipal wastewater by using natural materials PN 16 04 03 04.1 - **project team member**
- 6.16. Complex project - Innovative technologies for crops irrigation in arid, semiarid, and dry sub-humid climate conditions (SMARTIRRIG), PN-III-P1-1.2-PCCDI-2017-0254, contract 27PCCDI/2018 - **project team member**
- 6.17. Study of secondary resources of technogenic silts from Romania for identifying the potential of industrial minerals and critical and high-tech raw materials - PN 19-45-02-02 - **project team member**
- 6.18. RoQ-Stone - Romanian construction stones - qualitative characteristics, cultural heritage value, scientific importance, PN 19-45-02-01 - **project team member**
- 6.19. An AI/IoT based system of GEOSensor NETWORKS for real time monitoring of unStABLE tErrain and artificial structures (GeoNetSee) - **Project Manager Romanian Side** - Interreg Danube (2023-2025)
- 6.20. External consultancy for SIPOCA 859 / MySMIS 134289 project: Establishment of differentiated Emission Limit Values (ELVs) for wastewater from industrial and agro-zootechnical sources in Romania - **Project Manager** - POCA - (2022)
- 6.21. Increasing resilience to the impact of climate change on secondary resources through assisted phyto-mining as an eco-technology for the circular economy CHAIN - **Project responsible** - UEFISCDI - (2023-2025)
- 6.22. Waste Management and Circular Economy: Value retention circular processes - **Responsible from Romania** - IMPEL - European Union Network for the Implementation and Enforcement of Environmental Law - (2022-2024)
- 6.23. Water and Land: Water and Land Remediation - **Responsible from Romania** - IMPEL - European Union Network for the Implementation and Enforcement of Environmental Law - (2021-2027)
- 6.24. Water and Land: Management of Mining Waste - **Responsible from Romania** - IMPEL - European Union Network for the Implementation and Enforcement of Environmental Law - (2022-2025)
- 6.24. Cross-cutting tools and approaches: Geospatial Intelligence for Environmental Damage Assessment (GIEDA)- **Responsible from Romania** - IMPEL - European Union Network for the Implementation and Enforcement of Environmental Law - (2022-2025)