

PERSONAL INFORMATION

BOAJĂ (POPESCU) Iustina



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🌐 https://www.researchgate.net/profile/Boaja_Popescu_Iustina ,

<https://publons.com/researcher/1243684/iustina-boaja-popescu/>

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

WORK EXPERIENCE

12.2020 – onwards Senior Scientific Researcher (II)

Geological Institute of Romania, Installations on National Interest Department, GeoEcoLab Team

- Research in geochemistry and environmental protection

3.2021 – onwards Associated Professor

University POLITEHNICA of Bucharest, Department for Didactic Personnel Training

- Teaching – The didactics of technical specialties

04.2018 – 10.2020 Senior Scientific Researcher (II)

National Institute for Research and Development in Environmental Protection – INCDPM Bucharest

- Research in environmental protection

06.2013 – 04.2018 Scientific Researcher (III)

National Institute for Research and Development in Environmental Protection – INCDPM Bucharest

- Research in environmental protection

01.2013 – 06.2013 Junior Scientific Researcher

National Institute for Research and Development in Environmental Protection – INCDPM Bucharest

- Research in environmental protection

01.2012 – 01.2013 Scientific Research Assistant

Geological Institute of Romania, Installations on National Interest Department, GeoEcoLab Team

- Research in geochemistry and environmental protection

07.2012 - 11.2012 Secretary of State Counselor

Ministry of Environment and Forests

- Consultancy on environmental problems
- Informing and helping to improve activities that are held in subordinate and coordinate units

EDUCAȚIE ȘI FORMARE

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 <ul style="list-style-type: none"> ▪ Solving Contaminant Problems for a Sustainable Environment through Application of Environmental Engineering and Science Concepts II, Edition 2014 	
2009-2012	PhD, Field: Chemical Engineering University POLITEHNICA of Bucharest, Doctoral school of the Faculty of Applied Chemistry and Materials Science 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.	
15-19 May 2012	Training course/ Participation Certificate Environmental audit <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ National Program of Training on Scientific Publishing 	
November 2010- April 2011	PhD fellowship University of Torino, Italy, Department of Valorization and Protection of Agro-forestry Resources <ul style="list-style-type: none"> ▪ The main factors which influences heavy metals speciation in soil; Best available technique for heavy metals polluted soils according their speciation; Risk assessment of human health in heavy metals polluted areas 	8
2009 - 2011	Master, Field: Chemical Engineering University POLITEHNICA of Bucharest, Faculty of Applied Chemistry and Materials Science, Department of Analytical chemistry and Environmental Engineering <ul style="list-style-type: none"> ▪ Analytical Control Of Environment Quality And Remediation Techniques * Dissertation exam mark: 10 	7
29 November– 8 December 2010	International Winter School University of Nova Gorica, Slovenia <ul style="list-style-type: none"> ▪ Monitoring, Fate And Toxicity Of Toxic Compounds In The Terrestrial Environment 	7
29-27 septembrie 2010	Training course/ Participation Certificate European Institute of Romania <ul style="list-style-type: none"> ▪ 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 Chemical Engineer Bachelor

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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

Bachelor Exam Mark: 10
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				WRITING
		UNDERSTANDING		SPEAKING		
		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 RICCCE - Romanian International Conference on Chemistry and Chemical Engineering - RICCCE 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

Social skills and competences

- Punctuality.
- Good communication.
- Good teamwork collaboration.
- The ability of 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, 2021
- CNCAN certification for using the equipment with ionizing radiation - 2021
- Member of the **Society of Environmental Geochemistry and Health**
- 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,**
 - **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.**
- Member of the **Marine Geology Group of the EuroGeoSurveys** from 2021
- 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 Arab 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

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
 - Ambassador in Romania of **Remtech Europe** 2021

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 tesis:

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, 348 pages

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 Sturgeons’ Spawning Migration Monitoring”**, Universitas, Petrosani, 2013, ISBN: 978-973-741-339-0, 73 pages

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, 316 pages

2.2. Co-editor

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, **“Lability 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, FI 3,499

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, FI 0,677

3.3. Gy. Deak, A.M. Badilita, I. Popescu, M. Tudor, **“Research on sturgeons migration behaviour using a new monitoring, control and alarming system”**, Journal of Environmental Protection and Ecology, Vol. 15, 2014, ISSN 1311-5065, FI 0,838

3.4. 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, FI 0,5

3.5. A.-M. Anghel, F. Marinescu, M. Ilie, G. Ghiță, P. Ionescu, I. Mărcuș, C. Tociu, A. Moncea, M. Mițiu, I. (Popescu) Boaja, 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, FI 0,734

3.6. 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, FI 0,734

3.7. 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, FI 0,734

3.8. Holban E., Matei M., Fronescu S., Daescu A., Raischi M., Petrache G. I., Ilie M., Dumitru D., Moncea A., Marinescu F., Tociu C., Daescu V., Popescu I. „**Assessment of atmospheric pollution in a cement factory area situated in the eastern part of Romania**”, Environmental Protection and Ecology, 2017, ISSN 1311-5065, FI 0,734

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. Stanescu, „**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, 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

4.6. 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

4.7. 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

4.8. 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

4.9. 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

4.10. Badilita A.M., Danalache T. Raischi M., Deák Gy., Cristea A., Holban E., Zamfir St., Badea G., Gheorghe I., Boboc M., Matei M., Uritescu B., Cirstinoiu C., Tudor G., Boaja (Popescu) I., Stefan D., „**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

4.11. I. Popescu Boaja, 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

4.12. V.-M. Radu, I. Popescu Boaja, G. Dinca, 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. Stănescu, 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. Dănălache, „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. Dorobanțu, 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
5. 20. I. Zaharia, I. Diaconu, E. Ruse, G. Nechifor, E. Marcu, I. Popescu, „The removal of organic preservatives through concentration in the organic phase by using bulk liquid membranes”, International Conference New tools for sustainable management of aquatic living resources - AQUALIRES 2014, 17-18 January 2014
- 5.21. M. Radu, C. Ene, I. Popescu, L. Bodea, „Influence of social and environmental issues on humans' health and life quality”, International Conference New tools for sustainable management of aquatic living resources - AQUALIRES 2014, 17-18 January 2014
5. 22. Gy. Deak, I. Popescu, M. Olteanu, M. Raischi, G. Tănase, „Danube sturgeons' migration monitoring. Case study: Bâstroe channel”, International Conference Green infrastructure and sustainable societies/cities, Izmir, Turkey, 5-8 May 2014
5. 23. I. Popescu, Gy. Deak, G. Dorobanțu, G. Tănase, “International Conference Green infrastructure and sustainable societies/cities”, Izmir, Turkey, 5-8 MAY 2014
5. 24. I. Popescu, Gy. Deak, I. Zaharia, G. Dorobanțu, G. Tănase, „Assessment of soil texture influence on nitrates leachability in unsaturated soils”, Proceedings of International Conference of Unsaturated soils: Research and Applications, Sydney, Australia, July 2-4, 2014
5. 25. 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, Sydney, Australia, July 2-4, 2014
- 5.26. Gy Deak, M. Raischi, A.M. Badilita, T. Danalache, A. Cristea, E. Holban, S. Zamfir, M.G. Boboc, M., Matei, B. Uritescu, I. Boaja, D. Stefan, G. Tudor, "Actual status, pressures and preserving perspectives of sturgeon species from lower Danube River", 8th International Symposium on Sturgeons, Viena, Austria, 2017
- 5.27. Badilita A.M., Danalache T. Raischi M., Deák Gy., Cristea A., Holban E., Zamfir St., Badea G., Gheorghe I., Boboc M., Matei M., Uritescu B., Cirstinoiu C., Tudor G., Boaja (Popescu) I., Stefan D., „Identification of anthropogenic factors and assessment of their possible impact on preservation of sturgeon species from the Lower Danube”, ISB-INMA-TEH' 2017 Conference– Agricultural and Mechanical Engineering, Bucharest, Romania, 2017
- 5.28. I. (Popescu) Boajă, Gy. Deak, N. Raischi, P. Ionescu, V-M. Radu, M. Boboc, E. Holban, A. Daescu, D. Ștefan, „ Fate and transport of nitrogen species in unsaturated soil”, 2nd International Urban and Health Congress, Cappadocia, Turkey, 2018
- 5.29. I. Popescu Boaja, 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, Tunis, 2021
- 5.30. V.-M. Radu, I. Popescu Boaja, G. Dinca, R. Szabo, A.M. Anghel „The potential recovery of critical elements from secondary raw materials existent in Romania”, EMCEI 2021, Tunis, 2021

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 South East 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 economical 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. Management of Mining Waste IMPEL (European Union Network for the Implementation and Enforcement of Environmental Law) – country responsible (2021-2022)**