



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s) **Bica Ioan**

Work experience

Dates	2019-2020
Occupation or position held	Environment expert
Main activities and responsibilities	Evaluation of environment legislation in the field of construction
Name and address of employer	Romanian Construction Code - Romanian Architects Order – OAR; Ministry of Development
Type of business or sector	Environmental legislation assessment
Dates	2016-2017
Occupation or position held	Environment expert
Main activities and responsibilities	Environment impact assessment; Evaluation of climate changes risk
Name and address of employer	Infrawater Bucharest, BDO, CES Consulting Engineers Salzgitler GmbH Germania
Type of business or sector	Environment - Water infrastructure development in Moldova Country
Dates	2016-2020
Occupation or position held	Team responsible
Main activities and responsibilities	Research – innovation in adaptation to climate changes
Name and address of employer	BRIdges the Gap for Innovations in Disaster resilience; BRIGAD – HORIZON 2020; Grant agreement 700699 (2016 – 2020);
Type of business or sector	Environment
Dates	2010-2014
Occupation or position held	Team coordination
Main activities and responsibilities	Research - remediation of contaminated sites
Name and address of employer	An integrated framework of methods, technologies, tools and policies for improvement of brownfield regeneration in Europe – TIMBRE. Contract FP7-ENV, Grant no. 265364.
Type of business or sector	environment

Dates 2011 - 2014

Occupation or position held Environmental Engineering expert

Main activities and responsibilities Technical Assistance for the Project Management Extension and modernization of water and wastewater networks in Covasna County, Romania

Name and address of employer Mott MacDonald, Bucharest

Type of business or sector Water and waste water infrastructure

Dates 2013

Occupation or position held Water Management expert

Main activities and responsibilities Climate Change and Low Carbon Green Growth Programme: Integrated Water Resources Rapid Assessment Report; Advisory Service Agreement between Ministry of Environment and Climate Change and the International Bank of Reconstruction and Development

Name and address of employer World Bank, Bucharest

Type of business or sector Water resources management

Dates 2011 - 2012

Occupation or position held Environmental Expert

Main activities and responsibilities Preparation of project documentation and structural funds application for water supply project in Koprivnica - Križevci county environment impact assessment; Croatia

Name and address of employer GEIE AGRECO, Brussels - Croatia

Type of business or sector Water and waste water infrastructure

Dates 2011 - 2012

Occupation or position held Environmental Engineering expert

Main activities and responsibilities The National Policy on the Management of Sewage Sludge National Strategy on the Management of Sludge

Name and address of employer Mott MacDonald, UTCB, ISPE - Bucharest

Type of business or sector Water and waste water infrastructure

Dates 2009 – 2010

Occupation or position held Environmental expert

Main activities and responsibilities Environment assessment – water supply and waste water sewerage network in Moldova

Name and address of employer BDO -Victory Business Center 24 Invingatorilor Street, 30992, Bucharest-3

Type of business or sector Water and waste water infrastructure

Dates 2008

Occupation or position held Environmental expert

Main activities and responsibilities Due diligence – water supply and waste water sewerage network in Brasov county

Name and address of employer BERD, Bucharest

Type of business or sector Water and waste water infrastructure

Dates 2007 - 2008

Occupation or position held Waste management expert

Main activities and responsibilities Ex – ante evaluation of monitoring system and assessment of economic instruments used in the management and storage of used batteries

Name and address of employer Gruppo Soges, Italia – Stirbei Voda Street, no. 20. 2nd floor, 11, Bucharest, Romania

Type of business or sector Waste management

Dates 2007

Occupation or position held Expert evaluator

Main activities and responsibilities	TA for appraisal and selection of the Phare 2005 environment grant scheme. EuropeAide/122897/D/SER/RO
Name and address of employer	East West Consulting sprl, Chaussee de la Hulpe 150, 7 th floor, B-1170, Brussels, Belgium
Type of business or sector	Environment, waste management
Dates	2006-2007
Occupation or position held	Environmental Senior Local Expert
Main activities and responsibilities	Technical assistance for project preparation in the wastewater and drinking water sector: EUROPEAID 119083/D/SV/RO ISPA 2003/RO/16/P/PA/013-4. Strategic Environmental Assessment for Master Plan In Water Infrastructure. Environmental Impact Assessment for Water Infrastructure Works
Name and address of employer	CES, Technical University of Civil Engineering Bucharest, Bd. Lacul Tei, 124 Bucharest, Romania
Type of business or sector	Environment, water management
Dates	2006
Occupation or position held	International Environmental Expert
Main activities and responsibilities	Report on Environmental Impact Assessment Study for The Roşia Montană Project (the EIA); Independent Group of International Experts (IGIE), Assessment of EIA for Rosia Montana Project; propose measure for EIA improvement
Name and address of employer	Ministry of Environment and Water Management, Bd. Libertatii, no. 12, Bucharest, Romania
Type of business or sector	Impact assessment
Dates	2006
Occupation or position held	Administrative capacity, needs assessment
Main activities and responsibilities	Cross Border Cooperation Romania - Bulgaria : Integrated Management of Transboundary Groundwater between Bulgaria and Romania in Dobrudja / Dobrogea Area. Assessment of administrative capacity for monitoring of groundwater bodies in the Dobrogea area in Romania
Name and address of employer	AGRECO G.E.I.E., avenue Louise 251, bte 23 - B-1050 Brussels
Type of business or sector	Water management, capacity building
Dates	2005
Occupation or position held	Short-term Senior Local Expert
Main activities and responsibilities	Institution Building to Support the SAMTID Program Pilot Phase Implementation, RO 2002/000 – 586.05.01.03
Name and address of employer	Mott MacDonald, Romania, Iancu Capitanu Street, no. 12, Bucharest 3. Romania
Type of business or sector	Environment, water management
Dates	2005
Occupation or position held	Short-term Senior Local Expert
Main activities and responsibilities	Environmental survey of Petrobrazi refinery (environmental assessment of current state of the environmental media in Petrobrazi area: soil, air, water, groundwater, waste management, emission, regulation etc)
Name and address of employer	Halcrow Romania, Ghiocel Street, no.7A. Bucharest, Romania
Type of business or sector	Environment
Dates	2003 - 2004
Occupation or position held	Short-term Water Management Expert
Main activities and responsibilities	Implementation of the Water Framework Directive (WFD) and Integrated Coastal Zone Management (ICZM) in transitional and coastal waters in Romania" (MATO2/RM/9/1).
Name and address of employer	Haskoning B.V, Barbarossastraat 35, P.O. Box 151, 6500 Ad Nijmegen, The Netherlands
Type of business or sector	Water management
Dates	2003

Occupation or position held	Short-term Senior Local Expert
Main activities and responsibilities	Technical Assistance for the appraisal and selection of the applications in the framework of the grant schemes to be financed under Phare 2001
Name and address of employer	IMC Consulting Ltd., Newstead Court, Little Oak Drive, Sherwood Business Park, Annesley, NG 15 ODR
Type of business or sector	Evaluation
Dates	2002 -2004
Occupation or position held	Short term consultant Expert evaluator
Main activities and responsibilities	Environment engineering consultant (designer) for ISPA project: Rehabilitation of Water Supply and Sewerage network in Iasi; evaluate the compliance of the documentation with EU criteria, monitoring the progress in developing the design and the implementation of specific works of the project. Technical assistance for the preparation of the technical specifications for TVET sub-component
Name and address of employer	Louis Berger, Blv. N. Titulescu, no. 1. Bl. A7, ap. 103, 011131 Bucharest , Romania
Type of business or sector	Evaluation
Dates	2002 - 2003
Occupation or position held	Consultant
Main activities and responsibilities	Specialist consultant for Environmental Impact Assessment, Landfill projects (industrial waste deposit); Hydraulic engineering projects; design and development of technical projects
Name and address of employer	Designing Institute for Chemical Engineering – IPROCHIM Bucharest, Bd. M. Eminescu no. 71, Bucharest, Romania
Type of business or sector	Environment
Dates	2002 - present
Occupation or position held	Professor
Main activities and responsibilities	Deliver lectures, practical works: Urban networks; environment politics and strategies for sustainable urban development
Name and address of employer	Architectural and Urban University of Bucharest, Romania
Type of business or sector	Teaching
Dates	2001 - 2002
Occupation or position held	Trainer
Main activities and responsibilities	Design and development of training programs: Improvement of infrastructure projects in accordance with international criteria (including PRAG procedures). Trainer in the project: Strengthening Capacity in Environmental Project Development in Romania (DFID – CFPPDA); Courses in the field of Environment Impact Assessment: help local administration authorities and local infrastructure staff (water supply and sewerage system, waste disposal, and waste water treatment) in developing projects in accordance with criteria of international financial units (EU, WORLD BANK, ISPA etc).
Name and address of employer	Romanian Water Association: Centre for Professional Formation and Improvement in the Field of Water (CFPPDA), Splaiul Independentei, no.202 A, 6 th floor, 06002 Bucharest, Romania
Type of business or sector	Training
Dates	2000 - 2001
Occupation or position held	Short term consultant
Main activities and responsibilities	Environment engineering consultant (planner) for ISPA project: Rehabilitation of Water Supply and Sewerage network in Cluj Napoca; ensure the monitoring and implementation of the technical project in accordance with EU and Romanian legislation and regulations; periodical reports concerning the stage and the evolution of technical works.
Name and address of employer	Louis Berger, Blv. N. Titulescu, no. 1. Bl. A7, ap. 103, 011131 Bucharest , Romania
Type of business or sector	Environment
Dates	1999 - present
Occupation or position held	Expert evaluator

Main activities and responsibilities	Evaluation of research and development projects in the field of environment protection, water treatment, water supply and infrastructure projects; has determined the approval of financial support for projects (about 90 projects).
Name and address of employer	National Council for Scientific Research in High level Education – CNCIS, National Authority for Scientific Research – ANSC, Mendelev Street, no. 21-25, Bucharest, Romania
Type of business or sector	Evaluation
Dates	1977 - present
Occupation or position held	Professor, Senior Assistant Professor, Assistant
Main activities and responsibilities	Teaching the Hydraulics, Hydrology, Hydrogeology, Urban Hydrology, Ecology, Environmental Engineering courses, Environmental policies and management. Research and design activity: environmental impact assessment and studies, environmental balances; technical projects: water management, groundwater protection, groundwater remediation; waste management EIA, SEA for development projects, including urban development
Name and address of employer	Technical University of Civil Engineering Bucharest, Hydraulic and Environmental Protection Department, Bd. Lacul Tei, 124 Bucharest 020378 , Romania
Type of business or sector	High education
Dates	1976 - 1977
Occupation or position held	Engineer
Main activities and responsibilities	Technical assistance in flood protection for urban and industrial areas. Designing and implementing programmes for land and urban area flood prediction, prevention and protection; design projects for river works, land reclamation, water management.

Name and address of employer	Buzau - Ialomita Rivers Management Department
Type of business or sector	Water management
Dates	1973 - 1976
Occupation or position held	Design engineer
Main activities and responsibilities	Studies and projects in: water resources management; water erosion control; drainage networks; Designing and implementing programs for land and urban area flood prediction, prevention and protection; design projects in the field of river canalization, land reclamation, water management.
Name and address of employer	Water Management Office, Splaiul Independentei, no. 234 Bucharest, Romania
Type of business or sector	Water management

Education and training

Dates	2006
Title of qualification awarded	Certificate of completion
Principal subjects/occupational skills covered	Environmental Science and Engineering. Strategies to address environmental health problems
Name and type of organization providing education and training	Michigan Univ., Polytechnic Univ. Buch. Institute of Public Health Buch
Dates	2001
Title of qualification awarded	Trainer diploma
Principal subjects/occupational skills covered	Environmental Impact Assessment
Name and type of organization providing education and training	DFID - UK, Water Training Center - Bucharest, Romania
Dates	1995 -1996
Title of qualification awarded	Post doc specialisation
Principal subjects/occupational skills covered	Techniques for groundwater remediation

Name and type of organization providing education and training University of Stuttgart, Hydraulic Institute

Dates 1992

Title of qualification awarded Certificate for Course on Environment Impact Assessment

Principal subjects/occupational skills covered Environment Impact Assessment

Name and type of organization providing education and training Environmental Engineering and Researches Institute of Bucharest & Institute National Polytechnic of Toulouse

Dates 1981 - 1987

Title of qualification awarded Ph D

Principal subjects/occupational skills covered Hydraulics

Name and type of organisation providing education and training Technical University of Civil Engineering of Bucharest

Level in national or international classification State university

Dates 1969 - 1973

Title of qualification awarded Engineer

Principal subjects/occupational skills covered Hydraulics structure, land reclamation

Name and type of organisation providing education and training Technical University of Civil Engineering, Faculty of Hydrotechnics

Level in national or international classification State university

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding

Listening

B1

C1

Reading

C1

Speaking

Spoken interaction

B1

B2

Spoken production

B2

B2

Writing

C1

B2

(*) Common European Framework of Reference for Languages

Organisational skills and competences

High experience in organizing complex trainings for large groups;
Experience in organizing working staff, complex project teams, research activity, consulting teams;
Experience in analyzing data base, interpretation of monitoring data, performing reports.
Romanian Association of Hydrogeologists;

International Association of Hydrogeologists;
Romanian water Association – Vice-President;
Romanian Environment Association – President of Muntenia Branch
Former Dean of Hydrotechnic Faculty – Technical University of Civil Engineering Bucharest

Technical skills and competences

Profound experience in groundwater resources management and protection; pollutants migration assessment and techniques for aquifers remediation;
High experience in Environment Protection Field: EIA, SEA, EMS and Environmental Risk Assessment;
Experience in master planning for infrastructure developments;
Experience in the field of environmental, involved in a public institutions, published papers in scientific journals and in scientific seminars and conferences

Computer skills and competences	Ability to work under the most well known tools designed for editing, graphics and WINDOWS applications
Artistic skills and competences	Literature
Other skills and competences	High experience in organizing complex trainings for large groups; Profound experience in waste management and water resources management; Long term experience in the management and evaluation of grant research and development programs;
Driving license	B, cars
Additional information	<p>Author and co-author of 3 patent in the field of Hydraulics and Environmental Protection (Midia petrochemical Plant, Borzesti Refinery);</p> <p>Author and co-author of many original projects for groundwater and soil decontamination;</p> <p>Author and co-author of training and scientific manuals;</p> <p>High level researcher in Applied Hydraulics and in Soil and Groundwater quality protection field;</p> <p>Teaching (25 years university level experience);</p> <p>Wide connection area within the specialists of the research, design and production units in the field of water management, civil engineering and environment engineering</p>

Annexes List of main publications

A. Scientific papers

1. **Bica I.**, *Qualitative and quantitative evaluation of the clogging phenomenon*. Scientific Bulletin, no. 2, pp. 33 - 38, Civil Engineering Institute, Bucharest, 1990.
2. **Manescu M., Bica I.**, *La percolation des polluants petroliers vers les nappes aquifers*. Rencontres Hydrologiques Franco – Roumaine, pp. 109 - 116. Paris, 1991.
3. **Manescu M., Bica I.**, *Control of oil groundwater interface in the case of double pumping*. Rencontres Hydrologiques Franco – Roumaines, pp. 123 - 129. Tulcea (Roumanie), 1993.
4. **Manescu M., Bica I.**, *Solution for groundwater depollution on Borzesti Refinery*. Review "Mediul Inconjurator", vol. 4, no. 3, Bucharest, 1993.
5. **Bica I.**, *Problems of groundwater quality in the industrial platforms area*. Centre European de Competence Professionnelle Technique. INP Toulouse, University "Politehnica" Bucharest, 1994.
6. **Manescu M., Bica I., Dobrescu V., Stan I.**, *The pollution of groundwater with petrochemical products in the Ploiesti area*. International symposium of hydrogeologie "Impact of industrial activities on groundwater". Constanta (Romania), 1994.
7. **Iamandi C., Bica I., Manescu, M.**, *About the oil pollutant migration in the soil*. International Conference on Hydro - Science and Engineering, Beijing, 1995.
8. **Bica I., Dimache Al.**, Considerations regarding the groundwater quality monitoring. Review "Hidrotehnica", vol. 43, nr. 2, pp. 44 – 47, Bucharest, 1998.
9. **Bica I., V.D. Mocanu**, The conservation of groundwater resources in Republic of Ghana for water supply purposes. Conference: Groundwater resources engineering, UTCB, 2001.
10. **Bica I., L Sandu**, Difficulties, costs and limits in contaminated groundwater remediation. Scientific seminar: Expo Water 2001, ARA, Bucharest, 2001.
11. **Bica I.**, Complexity of groundwater cleanup. Stability pact for South Eastern Europe. Impact of hazardous compounds on water resources. Dresden, Germany 2001.
12. **Bica I.**, Setting goals for groundwater cleanup. Stability pact for South Eastern Europe. Impact of hazardous compounds on water resources. Dresden, Germany 2001.
13. **Bica I., C., Ștefan**. Evaluation of groundwater pollution in the refineries area. Case Study. International Conference on Water Resources and Environmental Research (ICWRER), Dresden, July 22nd - 25th, 2002.
14. **Bica I.**, Theoretical and practical considerations regarding the risk of groundwater contamination. Scientific seminar: Risk of water resources pollution. ARA, Timisoara, 2002.
15. **Bica I., C. Ionescu**, Consideration regarding the strategies for waste water treatment plants sludge disposal. International Conference: The Conformement of water supply works with the requirement of UE Directives. ARA, Bucharest, 2004.
16. **Tucan L., I. Bica**, Impacts of urban development and climate change on runoff. Modern Technologies for the 3rd Millennium. Ediografica, Bologna, Italia, June 2017. ISBN 078-88-87729-41-2
17. **Bica, I.**, Economia circulara. Necesitate, atribut, mecanism. Revista RomAqua, anul XXII, nr.2/2017, vol. 116, ISSN 1453 – 6986

18. Tucan L., I. Bica, Măsurile de prevenire a inundațiilor în orașe în curs de expansiune. Revista RomAqua, anul XXII, nr.3/2017, vol. 117, ISSN 1453 – 6986
19. Bica, I., L. Tucan, Using Green Infrastructure for The Future Sustainable City, Green Surge Conference, Malmo 20-21 Septembrie 2017
20. Vladimirov, V., Th. Simoner., I. Bica, Relining of pipe systems: conditions, benefits and application through case-study. Ovidius University Annals Series: Civil Engineering, Issue 19, 2017
21. Calin N., C. Radu, I. Bica, Dewatering system of a deep of excavation in urban area – Bucharest case study. Elsevier, Procedia Engineering, Volume 209, 2017, Pages 210-215
22. Vladimirov, V., I. Bica, Circular economy: Recycling glass fiber reinforced composites (GRP). 23rd SETAC Europe LCA Case Study Symposium. September 2017.
23. Bica, I., V. Vladimirov, Mechanical recycling: solutions for glass fibre reinforced composites. 20th International Symposium „Environment and Industry” 28-29 September - SIMI 2017, Bucharest.
24. Bica I., R. Turcan, Using green infrastructure and urban planning in flood mitigation. Conferinta Internationala, SGEM, Vienna, Decembrie 2018.
25. Bica I., Apa pentru toti. ROMAQUA nr. 2/2019, an XXV, vol. 132, Bucuresti.
26. Bica I., V. Vladimirov, Sondaj național privind infrastructura de apă-canal din România 2012 – 2017 și perspective 2018 – 2022 (1). ROMAQUA nr. 2/2019, an XXV, vol. 132, Bucuresti.
27. Bica I., R. Turcan, Green Infrastructure, A New Urban Asset. International Conference Actual Problems of Ecology and Environmental Management. RUDN University, Moscow, 25-27th April 2019.
28. Bica I., V. Vladimirov, Sondaj național privind infrastructura de apă-canal din România 2012 – 2017 și perspective 2018 – 2022 (2). ROMAQUA nr. 3/2019, an XXV, vol. 133, Bucuresti.
29. Bica I., V. Vladimirov, Sondaj național privind infrastructura de apă-canal din România 2012 – 2017 și perspective 2018 – 2022 (3). ROMAQUA nr. 4/2019, an XXV, vol. 134, Bucuresti.
30. Bica I., Pierderile de apă și abordarea acestora în România. ROMAQUA nr. 6/2019, an XXV, vol. 136, Bucuresti.

B. Books

31. Bica I., Contaminated sites remediation, Printing House Orizonturi Universitare, Timisoara 2020.
32. Bica I., *Groundwater pollution. Techniques for remediation*. Printing House *H*G*A*, Bucharest, 1998.
33. Bica I., *Environmental impact assessment*. Printing House Matrixrom, Bucharest, 1999.
34. Bica I., *Urban Hydraulics*. Printing House Matrixrom, Bucharest, 2000.
35. Bica I., *Environment protection. Politics and instruments*. Printing House *H*G*A*, Bucharest, 2002
36. Bica I., Mocanu VD, *Artificial groundwater recharge*. Printing House Orizonturi Universitare, Timisoara 2002.

15 August 2020