



Curriculum vitae Europass

Informații personale

Name **Banu Diana-Maria**
Telephone 0733190307
E-mail banudianamaria@yahoo.com
Nationality romanian
Date of birth 9th June 1979

Professional experience

Period	April 2013 - present
Occupation / position	Scientific Researcher
Additional functions	Member - Scientific Council of the Institute Secretary - Advisory Board of the Institute's Works
Main responsibilities	Modeling of geological and geophysical data by analytical and numerical methods. Assessment of the safety status of landfills in mining industry.
Name and address of employer	National Institute of Research and Development for Metals and Metals Radioactive Resources - INCDMRR Carol I, no. 70, District 2, Bucharest, Romania
Research field	Laboratory of geo-mining techniques and technologies
Period	Decembre 2010 – November 2012
Occupation / position	Geological engineer
Main responsibilities	Preparation of geological documentation (geotechnical studies, Geological expertise, monitoring reports on executions).
Name and address of employer	SC Geo-tehnic LT SRL Serg. Constantin Apostol Street, no. 2-6 District 6, Bucharest, Romania
Research field	Geotehnics
Period	February 2004 – November 2010
Occupation / position	Cartographer
Main responsibilities	Making, modifying / updating maps by vectoring 2D / 3D in Windows + CAD / GIS environment
Name and address of employer	IGC Eurotopo SRL Victory Avenue no. 26 District 3, Bucharest, Romania
Research field	Digital cartography. Stereorestition

Education and Training

Period	2013 - 2017
Personal qualification	PhD
Main subjects studied	Geology
Name of the educational institution	Faculty of Geology and Geophysics - University of Bucharest
Period	1998 - 2003
Personal qualification	Geological engineer
Main subjects studied / professional skills acquired	Department of Geological Engineering Specialization - Hydrogeology
Name and type of educational institution	Faculty of Geology and Geophysics - University of Bucharest
Period	1994 - 1998
Personal qualification	Graduate high school education
Main subjects studied	Mathematical - Physical Profile
Name and type of educational institution	Theoretical Lyceum Grigore Moisil, District 6, Bucharest, Romania

Personal skills

Native language **romanian**

Foreign languages
Self-assessment
European level ()*

English

French

Understanding				Speaking				Writing	
Listening		Reading		Conversation participation		Oral speech		Written expression	
B 2	independent user	B 2	independent user	B 2	independent user	B 2	independent user	B 2	independent user
A 2	Basic User	A 2	Basic User	A 2	Basic User	A 2	Basic User	A 2	Basic User

(*)Common European Framework of Reference for Languages

Scientific activity

Works published in journals

Integration of stochastic methods in the assessment of the risk generating phenomena. Study case - Tărnicioara tailing pond, Romania
Authors: Banu Diana, Mihai Sorin

BDI Journal: Ecoterra – Journal of Environmental Research and Protection

The probabilistic modeling of safety factor for mining tailing ponds

Authors: Banu Diana, Mihai Sorin

ISI Journal: SGEM 2016 Conference Proceedings

The impact assessement of the abandoned uranium mining exploitations on rocks and soils – Zimbru perimeter, Arad county

Authors: Banu Diana, Ionita Viorica Elena, Radu Aura Daniela, Niță Mihai

BDI Journal: Scientific Study&Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry

Works presented at conferences / workshops

The complex modeling of risk generating phenomena associated to processing tailing ponds - Study case, Târnicioara tailing pond, Romania

Authors: Banu Diana, Sorin Mihai

Event: International UAB-BENA Conference Environmental Engineering and Sustainable Development, Alba-Iulia, Romania, 2015

The impact assessment of the abandoned uranium mining exploitations on rocks and soils – Zimbru perimeter, Arad county

Authors: Banu Diana, Ionita Viorica Elena, Radu Aura Daniela, Niță Mihai

Event: The 22th National Symposium of Fracture Mechanics 2016 „Moise Tuturea” Students Contest Society on Engineering and Management, Bacău, Romania, 2016

The probabilistic modeling of safety factor for mining tailing ponds

Authors: Banu Diana, Mihai Sorin

Event: The 16th International Multidisciplinary Scientific Geoconference & Expo SGEM 2016, Albena, Bulgaria, 2016

Management of risks from the presence of solid mining waste

Event : Round Table "Mining and the environment. Tools and Techniques "organized by INCDMRR in November 2013

Assessing the safety status of the decay dump pond using stochastic modeling and deterministic modeling methods

Event: GEODOCT 2014, organized by the Doctoral School of Geology, Faculty of Geology and Geophysics, Bucharest University, May 2014

Deterministic methods of assessing the stability of the Tânnicioara decantation pond, the Ostra quarry, the Suceava county

Event: "Promotion and Dissemination in Sustainable Development and Environmental Protection" Workshop, Sinaia, Romania, December 2014

The impact assessment of the uranium industry on environment

Event: SICHEM – Symposium of the Young Chemical Engineers, sept 2016, Bucharest, Romania

Participation in scientific events

„Bridging Business and Research” Conference, organizer: Marie-Sklodowska-Curie Actions MSCA, March, Bucharest, Romania

Info Day "Scientific Excellence - European Council for Research in Horizon 2020", organizer: ANCSI, in partnership with EC, April 2016, Bucharest, Romania

Round Table "Current trends in the sustainable exploitation of mineral resources", organizer: INCDMRR-ICPMRR Bucharest, 14 Dec 2016

Courses / seminars / experience exchanges	"Exchanges of interregional good practices. Work visits and networking seminars ", Babeş-Bolyai University, Cluj-Napoca, May 2015 "Project Management and Ethics in Research" Course "Publishing in Academic Journals" Seminar, March 2015 "Integration of ICT Research Databases" Course, December 2014 "Quality Management in Organizing Laboratory Activities" Course, October 2014
---	--

Professional activity

	January 2017 – present PN 16 05 02 01 - Analysis of sliding risk of deposits with uranium mining waste by direct and indirect methods under conditions of intensification of extreme natural phenomena (Project Manager) November 2016 - present PN 09 05 03 04 - Impact on the environment generated by the Ilişova mining perimeter, Mehedinţi County following the extreme meteorological phenomena (collaborative) October 2015 - December 2016 Sectoral Program - Defining Strategic Directions for Re-launching Research in the Field of Exploitation and Utilization of Non-Energy Mineral Resources (collaborative) March 2015 - November 2015 PN 09 12 02 07 - Probabilistic modeling of the stability of seismic stresses of former tailings ponds in Romania (Project Manager) September 2013 – December 2013 PN 09 12 03 10 - Management of solid waste from the mining industry at risk of environmental pollution (collaborative)
--	--