



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Raluca-Mihaela Maftai**
Address(es) Bucharest
Telephone(s) (+40)31 4033400, (+40)31 4033484 Mobile:
E-mail Raluca.maftai@igr.ro, maftair@yahoo.com
Nationality Romanian

Desired employment / Occupational field **Geology**

Work experience

Dates	2015
Occupation or position held	Scientific Director
Main activities and responsibilities	Hazard evaluation of the unstable terrains, engineering geology Environmental geology and geoelectrical researches in geologically hazardous areas Project Manager from Romanian partner in: Grant NATO-STI EST CLG 980166 "Structural characterization of landslides with a multidiscipline approach" FP 7. Project: <i>Integrated system of data collection Technologies for mapping soil properties-DIGISOIL</i> ENV 2007-211523- responsible for Romania FP 7. Project: <i>Living with landslide risk in Europe: Assessment, effects of global change, and risk management strategies- SAFELAND- ENV 2008- 226479- responsible for Romania</i> Cost Action IS1101- „Climate Change and Migration: Knowledge, Law and Policy, and Theory”- MC substitute Cost action ES1101- „ <i>Harmonizing Global Biodiversity Modeling (HarmBio)</i> ” - MC substitute Cost action COST ES1104: „ <i>Arid Lands Restoration and Combat of Desertification: Setting Up a Drylands and Desert Restoration Hub</i> ”- MC COST TU1202: „ <i>Impact of climate change on engineered slopes for infrastructure</i> ”-MC FP7 ERA-MIN project: “ <i>Tools for sustainable gold mining in EU</i> ” (SUSMIN). WP4 leader PN II Partnerships in priority areas: „ <i>Development and implementation of innovative technologies for monitoring natural and anthropogenic hazard on landslides</i> ” (MONISENZ)- Project responsible POS CCE Laboratory of Environmental Geology and Geophysics- LGGA- Project manager Scientific responsible in different national projects and contracts
Name and address of employer	Geological Institute of Romania
Type of business or sector	Research Institute
Dates	1986 - 2015
Occupation or position held	Engineering geologist (geo-hazard-landslides, water pollution, soil erosion) Senior researcher at Geological Institute of Romania Head of Marketing Dpt. Leader of Geo-Hazard team

Main activities and responsibilities	<p>Hazard evaluation of the unstable terrains, engineering geology Environmental geology and geoelectrical researches in geologically hazardous areas Project Manager from Romanian partner in: Grant NATO-STI EST CLG 980166 "Structural characterization of landslides with a multidiscipline approach" FP 7. Project: <i>Integrated system of data collection Technologies for mapping soil properties-DIGISOIL</i> ENV 2007-211523- responsible for Romania FP 7. Project: Living with landslide risk in Europe: Assessment, effects of global change, and risk management strategies- SAFELAND- ENV 2008- 226479- responsible for Romania Cost Action IS1101- „Climate Change and Migration: Knowledge, Law and Policy, and Theory"- MC substitute Cost action ES1101- „<i>Harmonizing Global Biodiversity Modeling (HarmBio)</i>" - MC substitute Cost action COST ES1104: „Arid Lands Restoration and Combat of Desertification: Setting Up a Drylands and Desert Restoration Hub"- MC COST TU1202: „Impact of climate change on engineered slopes for infrastructure"-MC FP7 ERA-MIN project: "Tools for sustainable gold mining in EU" (SUSMIN). WP4 leader PN II Partnerships in priority areas: „Development and implementation of innovative technologies for monitoring natural and anthropogenic hazard on landslides" (MONISENZ)- Project responsible POS CCE Laboratory of Environmental Geology and Geophysics- LGGA- Project manager Scientific responsible in different national projects and contracts</p>																																								
Name and address of employer	Geological Institute of Romania																																								
Type of business or sector	Research Institute																																								
Dates	1981 - 1983																																								
Occupation or position held	Engineering geologist																																								
Main activities and responsibilities	Field activities for some oil drilling sites																																								
Name and address of employer	Balaria Oil Drilling comp. (now Videle Oil Drilling comp., Videle, jud. Teleorman, Romania)																																								
Type of business or sector	Oil drilling																																								
Dates	1983-1986																																								
Principal subjects/occupational skills covered	Engineering geologist																																								
Name and type of organisation providing education and training	University of Bucharest - Faculty of Geology-Geography, Engineering Geology and Geophysics (Sept.1976-June 1981), engineering geology and geophysics diploma Post- university degree in management and international relations, Economical Study Academy, Bucharest																																								
Personal skills and competences	<ul style="list-style-type: none"> • Extensive field experience in difficult terrains and environments; leading numerous interdisciplinary teams over the past thirty years. • Team player , working in international projects • Flexible. • Strong communications skill , good negotiation and contracting skills. • High degree of character integrity, absolute confidentiality and honesty. • Ability to work without inspection, under pressure, using initiative, self-motivation, and self-discipline; able to turn rejection into motivation. • Strong multi-tasking skills. • Strong time management skills. • Open to challenges. Willing to learn as much as possible. • Willing to travel. 																																								
Mother tongue(s)	Romanian																																								
Other language(s)																																									
Self-assessment																																									
<i>European level (*)</i>																																									
English																																									
France																																									
	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C1</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> <td>B2</td><td>Independent user</td> </tr> <tr> <td>C1</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> <td>C1</td><td>Proficient user</td> <td>B1</td><td>Independent user</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B1	Independent user
Understanding				Speaking				Writing																																	
Listening		Reading		Spoken interaction		Spoken production																																			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B2	Independent user																																
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	B1	Independent user																																
	(*) Common European Framework of Reference for Languages																																								

Organisational skills and competences	<ul style="list-style-type: none"> • Member of the Organization Committee of the National Symposium “Landslides. The impact over the environment and society, hazard zoning and effects”, Bucharest, 2004 • President of the organization committee of the International Symposium “Landslides – Impact over environment and society” Bucharest, Oct. 2007 • President of the organization committee of the International Symposium “Landslides – Impact over environment and society” Bucharest, Oct. 2010 • Main organizer of TU1202 Cost action workshop and MC meeting, October 2013, Bucharest, Romania • Organizer of SUSMIN project workshop, October 2014, Cluj-Napoca, Romania • Good experience in project and team management
Computer skills and competences	Office (all), Adobe, PowerPoint, Surfer, and others
Artistic skills and competences	Visiting Art galleries. Love classical music, opera, ballet, jazz, blues
Other skills and competences	Enjoy sports particularly rugby, soccer, tennis, boxing, voley, athletics, formula 1, Love to travel and experience different cultures.
Driving licence	Car , category B
Additional information	<ul style="list-style-type: none"> • Open to challenges. Willing to learn as much as possible. • Willing to travel. • Post- university degree in management and international relations, Economical Study Academy, Bucharest • Member of the following Professional Partnerships: International Association of Engineering Geology, Romanian Association of Engineering Geology, EOE/EGS working group on landslides/subsidence • PhD Student

Elaborated and/or published Papers (selection):

- Maftai Raluca** et al. (2001) - **Elaboration of a landslide hazard assessment map using geological and geophysical analysis-Application in the eastern part of the Muntenia Subcarpathians, Romania**, Symposium on Environmental Geology for Urban Development and Regional Planning. Federal Institute for Geosciences and Natural Resources (BGR), Hanover, Germany, (Z.Angew.Geol. 4/2000, 35-41, ISSN **0044-2259** CODEN ZANGAK)
- Rusu E., **Maftai Raluca** et al. (2003) - **Use of geoelectrical measurements in salt collapse phenomena – Ocnele Mari case**. ARGI, Bucharest
- G.Grandjean, A.Bitri, C.Pennetier, **R.Maftai**, O. Meric, J.-P. Malet (2004)- **Caractérisation structurale et hydrique des glissements de terrain**- abstract, AGAP, Holland
- Gilles, Grandjean, **Maftai Raluca** et al. (2004)- **Structural characterization of landslides with a multidisciplinary approach**, National Symposium “Landslides. The impact over the environment and society, hazard zoning and effects”, Bucharest, 2004
- Maftai Raluca** et al. (2004) - **Multidisciplinary in landslide hazard assessment**, National Symposium “Landslides. The impact over the environment and society, hazard zoning and effects”, Bucharest, 2004
- Maftai Raluca**, Emil Rusu (2006)- **Electrometry and salt**. Salt Symposium, Slanic Prahova, Dec. 2006
- Maftai Raluca**, Emil Rusu, Ovidiu Avram (2007) - **Instability phenomena on salt and electrometry**, International Symposium “Landslides – Impact over environment and society” Bucharest, Oct. 2007, abstracts (p. 13)
- Maftai Raluca**, Roxana Ciurean, Andreea Andra, Cristina Dumitrică (2007)- **Landslides hazard assessment map, Case study-Slanic Prahova, Prahova district**, International Symposium “Landslides – Impact over environment and society” Bucharest, Oct. 2007, abstracts (p. 14)
- Grandjean, G., O. Cerdan, Richard.G., Cousin.I., Lagacherie.P., Tabbagh.A., Van.Wesemael.B., Lambot.S., Carré.F., **Maftai.R.**, Hermann.T., Thörnölöf.T., Chiarantini.L., Moretti.S., McBratney.A., Ben.Dor.E. (2007) **DIGISOIL : an integrated system of data collection technologies for mapping soil properties.**, in First Global workshop on High Resolution Digital Soil Sensing and Mapping - Sydney - Australia - 05-08/02/2008 [Paru]
- Grandjean, G., G. Richard, B. Van Wesemael, S. Lambot, F. Carré, R. Maftai, T. Hermann, T. Thörnölöf, L. Chiarantini, S. Moretti. DIGISOIL: an integrated system of data collection technologies for mapping soil properties. EGU 2008, Vienna , Austria .
- Grandjean, G., O.Cerdan, G.Richard, I.Cousin, P.Lagacherie, A.Tabbagh, B. Van Wesemael, S.Lambot, F.Carré, R.Maftai, T.Hermann, T. Thörnölöf, L. Chiarantini, S.Moretti, A.McBratney, E. Ben Dor, 2008. DIGISOIL: an

- integrated system of data collection technologies for mapping soil properties. High Resolution Soil Sens. And Mapping. Sydney , Australia .
- Grandjean, G. and the DIGISOIL Team., 2009. First results of the DIGISOIL multi-sensor system for mapping soil properties. EGU 2009, Vienna , Austria ; NOVCARE 2009, Leipzig , Deutschland.
- Grandjean, G., O. Cerdan, K. Samyn, G. Richard, I. Cousin, J. Thiesson, B. Van Wesemael, S. Lambot, F. Carré, R. Maftai, T. Hermann, T. Thörnelöf, L. Chiarantini, S. Moretti, 2009. Premiers résultats du système multi-capteur DIGISOIL dédié à la cartographie des propriétés des sols. JNES 2009. Strasbourg, France.
- Grandjean, G., O. Cerdan, K. Samyn, G. Richard, I. Cousin, J. Thiesson, B. Van Wesemael, S. Lambot, F. Carré, R. Maftai, T. Hermann, T. Thörnelöf, L. Chiarantini, S. Moretti. DIGISOIL: a geophysical multi-sensor acquisition and processing system for mapping soil properties. CONSOIL 2010, Salzburg , Austria .
- Raluca-Mihaela Maftai**, Nicolas Coppo, Emil Rusu, Roxana Ciurean, Ovidiu Avram, Constantina Porumbescu, and Elena Tudor: Shallow landslides mapping at Telega (Prahova County, Romania), EGU 2011, Vienna, Austria
- Raluca Maftai**, Elena Tudor , George Vina , and Constantina Porumbescu: The Policy Issue Of Landslides In Romania- Second World Landslides Forum, Roma (2011), Landslide Science and Practice, Volume 7: Social and Economic Impact and Policies, Margottini, Claudio; Canuti, Paolo; Sassa, Kyoji (Eds.), Springer, 2013, XVI, p.201-208, ISBN 978-3-642-31312-7
- Raluca Maftai**, George Vina, Constantina Filipciuc- Study on landslide hazard zonation based on factor weighting-rating theory in Slanic Prahova, EGU 2012, Vienna, Austria
- Raluca Maftai**, Constantina Porumbescu , and George Vina- Why it is so difficult to assess landslides' hazard and risk in Romania?- First International Conference on MOLDAVIAN RISKS - FROM GLOBAL TO LOCAL SCALE, 16-19 May, 2012, Bacău, Environmental Engineering and Management Journal, Vol.11, No. 12, 2223-2232
- Raluca Maftai, Constantina Filipciuc, Elena Tudor**- Mine waste management legislation. Gold mining areas in Romania, EGU 2014, Vienna, Austria
- Raluca-Mihaela Maftai, Emil Rusu, Ovidiu Avram, Ioan Scutelnicu, Antonio Ulmeanu**- Development of geophysical techniques for gold exploration, Second International Conference on NATURAL AND ANTHROPIC RISKS ICNAR2014, June 2014, Bacau, Romania
- Raluca-Mihaela Maftai, Emil Rusu, Ovidiu Avram, Constantina Filipciuc, Elena Tudor, Ioan Scutelnicu, Antonio Ulmeanu**, Using geoelectrical for predicting susceptibility to landslides. Land instability phenomena in Gornet village, Prahova County, , EGU 2015, Vienna, Austria

Books

- Grandjean, G., Cerdan, O., Richard, G., Cousin, I., Lagacherie, P., Tabbagh, A., Van Wesemael, B., Stevens, A., Lambot, S., Carré, F., **Maftai, R.**, Hermann, T., Thörnelöf, T., Chiarantini, L., Moretti, S., McBratney, A., Ben Dor, E., 2010. DIGISOIL: an integrated system of data collection technologies for mapping soil properties, Chap 7, p. 89-101, in Proximal Soil Sensing, Developments in Soil Science Series, Edited by R.A. Viscarra Rossel, A.B. McBratney, and B. Minasny, Springer, 2010.