



Europass Curriculum Vitae

Personal information

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

Desired employment / Occupational field **Geology**

Work experience

Name and address of employer Geological Institute of Romania
Type of business or sector Research Institute
Dates 20.07.2015- current
Occupation or position held GeoHazard team leader
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: *Integrated system of data collection Technologies for mapping soil properties-DIGISOIL* 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- „*Harmonizing Global Biodiversity Modeling (HarmBio)*” - 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
Name and address of employer Geological Institute of Romania
Type of business or sector Research Institute
Dates 08.04.2015-20.07.2015
Occupation or position held Scientific Director

Main activities and responsibilities	<p>Chief of security structure Coordination of GIR's scientific activity 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	2013-08.04.2015
Occupation or position held	GeoHazard team leader
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: Natural and technological hazards that cause disasters in Romania. Risk assessment and measures to prevent and limit the impact on society and the environment- project responsible 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	23.06.2009-2013
Occupation or position held	Engineering geologist (geo-hazard-landslides, water pollution, soil erosion) Senior researcher

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: *Integrated system of data collection Technologies for mapping soil properties-DIGISOIL* 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
 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 30.03.2007-23.06.2009
Occupation or position held Head of Marketing Dpt.
 Engineering geologist (geo-hazard-landslides, water pollution, soil erosion)
 Senior researcher at Geological Institute of Romania

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: *Integrated system of data collection Technologies for mapping soil properties-DIGISOIL* 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
 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 2002-2009
Occupation or position held Engineering geologist (geo-hazard-landslides, water pollution, soil erosion)
 Senior researcher

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: *Integrated system of data collection Technologies for mapping soil properties-DIGISOIL* 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
 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 2000-2002
Occupation or position held Engineering geologist (geo-hazard-landslides, water pollution, soil erosion)
 Senior researcher

Main activities and responsibilities Hazard evaluation of the unstable terrains, engineering geology
 Environmental geology and geoelectrical researches in geologically hazardous areas
 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 15.01.1986-2000
Occupation or position held Engineering geologist (geo-hazard-landslides, water pollution, soil erosion)

Main activities and responsibilities Hazard evaluation of the unstable terrains, engineering geology
 Environmental geology and geoelectrical researches in geologically hazardous areas

Name and address of employer Balarea Oil Drilling comp. (now Videle Oil Drilling comp., Videle, jud. Teleorman, Romania)

Type of business or sector	Oil drilling company
Dates	01.04.1983-14.01.1986
Principal subjects/occupational skills covered	Engineering geologist
Name and address of employer	Bucharest Oil Drilling comp. (now Videle Oil Drilling comp., Videle, jud. Teleorman, Romania)
Type of business or sector	Oil drilling company
Dates	01.09.1981-01.04.1983
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 TEAMNET- UAS Hirus operator

Personal skills and competences

- 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

European level ()*

English

France

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

- 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
- Organizer of EuroGeoSurveys annual meetin, May 2016, Bucharest, 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.

Additional information

- 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**
- **Training stage Claude Bernard University, Lyon, France (2000)**
- **Training stage in the field of landslides, BRGM, Orleans, France (2004, 2005)**
- **Member of the following Professional Partnerships:** International Association of Engineering Geology, Romanian Association of Engineering Geology, EOEG/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 M., Marinescu M., Niculescu V., Matei M., **Maftai R.** (2006)- Electrometric research to identify soil and groundwater pollutions, in Constanta-Romania, Proceedings VIIIth Congress Of Carpathian-Balkan Geological Association. Belgrad. Serbia. 2006. ISBN 86-86-53-01-7.

Maftai Raluca, Emil Rusu (2006)- ***Electrometry and salt***. Salt Symposium, Slanic Prahova, Dec. 2006

Maftai M., Marinescu M., **Maftai R.**, Stefanescu D. (2007)- Pollution and Environment Degradation During the Georesources Recovery Process, Revealed Using Geophysical Methods. Case Studies in Romania, 15 th Meeting of the Association of European Geological Societies. Tallinn. Estonia. “Georesources and Public Policy: Research, Management, Environment.” Pag.32-36. 16-20 sept. 2007. No. 4953 in the list of international scientific events that are in Thomson database of 2006, the program ISI Web of KnowledgeSM, ISSN 1736 ISBN 4728

Marinescu M., Popescu A., **Maftai R.**, Matei M. (2007)- The Complete Management of Travertine Resources. Case Study: Carpinis Deposit (Romania), 15 th Meeting of the Association of European Geological Societies. Tallinn. Estonia. “Georesources and Public Policy: Research, Management, Environment.” Pag.32-36. 16-20 sept. 2007. Nr. 4953, ISSN 1736, ISBN 4728.

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., Thörnelöf.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. Thörnelöf, 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. Thörnelöf, 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. Maftei**, T. Hermann, T. Thörnölöf, L. Chiarantini, S. Moretti. DIGISOIL: a geophysical multi-sensor acquisition and processing system for mapping soil properties. CONSOIL 2010, Salzburg , Austria .

Raluca-Mihaela Maftei, 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 Maftei, 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 Maftei, George Vina, Constantina Filipciuc- Study on landslide hazard zonation based on factor weighting-rating theory in Slanic Prahova, EGU 2012, Vienna, Austria

Raluca Maftei, 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, ISSN 1582-9596, 6 citations

Raluca Maftei, Constantina Filipciuc, Elena Tudor- Mine waste management legislation. Gold mining areas in Romania, EGU 2014, Vienna, Austria

Raluca-Mihaela Maftei, 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 Maftei, 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

Avram Ovidiu, Rusu Emil, Raluca Maftei- Landslides on salt deposits - monitoring with electrometry, al 8-lea Simpozion International de Geografie "Landscapes: perception, knowledge, awareness and action", june 2016, Bucharest, Romania

Elena Tudor, Constantina Filipciuc, Raluca Maftei- Sustainable waste gold mining management policy in Romania, al 8-lea Simpozion International de Geografie "Landscapes: perception, knowledge, awareness and action", june 2016, Bucharest, Romania

Constantina Filipciuc, Radu Farnoaga, Raluca Maftei, Elena Tudor- Using UAV System for monitoring landslides - case study Slanic Prahova, Prahova County, Romania, al 8-lea Simpozion International de Geografie "Landscapes: perception, knowledge, awareness and action", june 2016, Bucharest, Romania

Raluca Maftei- Enviromental Geology and Geophysics Laboratory- present and perspectives in gold mining industry, al 8-lea Simpozion International de Geografie "Landscapes: perception, knowledge, awareness and action", june 2016, Bucharest, Romania

Raluca Maftei, Emil Rusu, Ovidiu Avram, Radu Farnoaga, Constantina Filipciuc, Elena Tudor, Antonio Ulmeanu, Ioan Scutelnicu- Achizitia de date si integrarea informatiilor obtinute in urma utilizarii tehnologiilor inovative, implementarea, testarea pe teren si validarea acestora- Studiu de caz Slanic Prahova, jud. Prahova- Simpozionul sarii, 2016, Slanic Prahova, Romania (in print)

Rosa Maria MATEOS et.al (2017) - Integration of geohazards into urban and land-use planning. Towards a landslide directive. The Eurogeosurveys questionnaire. WLFO-D-16-00452R1 Vol. 2 - Session 4 - Landslide Hazard, Risk Assessment & Prediction WLF 2017 (accepted paper)

Books

Grandjean, G., Cerdan, O., Richard, G., Cousin, I., Lagacherie, P., Tabbagh, A., Van Wesemael, B., Stevens, A., Lambot, S., Carré, F., **Maftei, R.**, Hermann, T., Thörnölöf, 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, 6 citations.