



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Mihai Alexandru MICU**
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E-mail mikkutu@yahoo.com
Nationality Romanian
Date of birth 29 10 1976
Gender Male

Occupational field **Research:** Geomorphology, Landslide risk analysis, assessment, management and governance

Work experience

Dates December 2000-present
Occupation or position held Institute of Geography, Romanian Academy: Junior Researcher (2000-2007), **Senior Researcher** (2007-present), **Head** of Geomorphology and Natural Hazards Working Group (2010-present), **Coordinator** of Patarlagele Natural Hazards Research Centre (2010-present).
Main activities and responsibilities Applied and fundamental research (regional geomorphology, landslide susceptibility, hazard and risk assessment) in **12 national research projects**. Member/coordinator in/of **7 European projects**:
— **WBI** (Wallonie Bruxelles International) – **AR** (Academie Roumaine) **Project:** *Evaluation des risques long-termes liés aux mouvements de masse déclenchés par les séismes dans la région de Vrancea, Roumanie* (Co-Coordinator)
— **BBF Project** (Bundesministerium für Bildung und Forschung, DE): *Network for Environmental Modeling of Earth Surface Processes: Landslide Hazards in the Context of Climate and Land Use Change* (2017-2019; Partner Coordinator)
— **FP7 Project** - *Changing Hydro-meteorological Risks as Analyzed by a New Generation of European Scientists* (CHANGES), Project coordinator: University of Twente. Faculty of Geo-Information Science and Earth Observation (ITC), The Netherlands (2011-2014), www.changes-itn.eu (key-person).
— national representative and MC member in **COST ACTION** ES1306 CONNECTEUR *Connecting European Connectivity Research* (2014-2018);
— key-person in the **EC's Project** EUR-OPA *Pan-European Landslide Susceptibility Map* (2013-2017);
— **FP7 Project** - *Enabling Climate Information Service for Europe* (ECLISE), Project coordinator: Royal Netherlands Meteorological Institute, The Netherlands (2011-2013) www.eclise-project.eu (key-person).
— **FP6 Project** – *Climate Change and Variability: Impacts on Central and Eastern Europe* (CLAVIER); Project coordinator: Max-Planck Institute for Meteorology (MPI-M), Germany (2006 – 2009) <http://www.clavier-eu.org/> (key-person).
Name and address of employer Institute of Geography, Romanian Academy, Dimitrie Racovita 12, Sect.2, Bucharest, Romania
Type of business or sector Academic research (fundamental and applied)

Education and training

Dates	2002-2008
Title of qualification awarded	Ph.D.
Principal subjects/occupational skills covered	Landslide hazard assessment in the Buzau Subcarpathians
Name and type of organisation providing education and training	Institute of Geography, Romanian Academy; Research Institute.
Level in national or international classification	ISCED level 6
Dates	2000-2001
Title of qualification awarded	MSc
Principal subjects/occupational skills covered	Landscape sustainable management
Name and type of organisation providing education and training	Faculty of Geography, University of Bucharest; University.
Level in national or international classification	ISCED 5A
Title of qualification awarded	BSc
Principal subjects/occupational skills covered	Geomorphology
Name and type of organisation providing education and training	Faculty of Geography, University of Bucharest; University.
Level in national or international classification	ISCED 5A

Personal skills and competences

Mother tongue(s)

Self-assessment

European level ()*

English

French

Italian

Romanian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	B1	Independent user
B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences	Communicative, team-worker.
Organisational skills and competences	Leadership, team work abilities, ability to cope with deadlines.
Technical skills and competences	GIS, geomorphic mapping.
Computer skills and competences	MS Office, COREL, ArcView, ArcGIS
Artistic skills and competences	Not the case

Other skills and competences

- **IAG/AGI Young Researcher Scholarship**, ICG 2005, Zaragoza
- **Vice-President** of the Romanian Geomorphologists Association (2015-2017);
- **Co-Chairman**, Working Group *Geomorphological Hazards* – IAGeomhaz, International Association of Geomorphologists (from 2015)
- **Head** of the Geomorphology and Natural Hazards Working group (Institute of Geography, Romanian Academy; 2011-onwards);
- **Coordinator** of *Pătarlagele Natural Hazards Research Centre*;
- **Consultant** in landslide problems of the Buzau County Inspectorate for Emergency Situations and the General Inspectorate for Emergency Situations in Bucharest;
- **Editor** at 1 ISI journal (*Landslides*); **reviewer** at 6 ISI journals (*Landslides, Natural Hazards, Journal of Maps, Natural Hazards and Earth System Sciences, Environmental Earth Sciences, The Geological Society – Special Publications*).

- **Convener** at International Conferences (*Hillslope Processes and Mass Movements*, International Conference on Geomorphology in Paris, 2013; **Quality and reliability of landslide hazard and risk assessment**, EGU 2014, Vienna; **Uncertainty assessment and quality evaluation in landslide hazard and risk assessment**, EGU 2015, 2016, 2017 Viena; **Forecasting future changes in hydro-meteorological hazards**, Analysis and Management of Changing Risks for Natural Hazards, 2014, Padova; **Landslide hazard and risk in changing Europe**, International Congress on the Geography of Europe EUGEO, 2015 Budapest); **Geomorphological hazards and risks: risk mitigation through new techniques under the challenges of environmental changes**, International Conference on Geomorphology, New Delhi, 2017.

- **Training courses**: 2001, Trento, Italy “*Global Climate Change and Impact on Natural Resources*”, organizer: Tor Vergata University, Rome; 2001, Pătarlagele, Romania “*Environmental hazards and sustainable development in the hilly and mountain regions*”, organizer: Romanian Academy, Institute of Geography; 2002, Cluj-Napoca, Romania “*The management of crisis situations*”, organizer: USAID & FEMA-U.S.A; 2003, Bucharest, Romania “*Fundamental of Remote Sensing Images Processing and GIS*”, organizer: FAO; 2003, Bucharest, Romania “*Land Cover Classification System*”, organizer: FAO; 2004, Strasbourg, France “*Living with hydro-geomorphological risks: from theory to practice*”, organizer: IAG (International Association of Geomorphologists); 2006, Bonn, Germany “*MultiRISK: concepts to approach multiple hazards and risks*”, organizer: Bonn University; 2007, Lausanne, Switzerland “*Hazard analysis (slide, rockfall, debris flow, snow avalanche)*”, organizer: Mountain Risks FP6 and Universite de Lausanne

Driving licence

B category

Bucharest, May 05, 2017



Additional information Author of **50 papers** (ISI, peer-review, book chapters and conference proceedings) and more than 100 conference presentations. Relevant 20 publications:

- Micu, M.** (2016) *The systematic of landslide processes in the conditions of Romania's relief*, in M.Radoane, A.Vespremeanu-Stroe (Eds.) *Landform dynamics and evolution in Romania*, Springer, 865 p. (p. 249-269)
- Micu, M.** (2016) *Landslide types and spatial pattern in the Subcarpathian area*, in M.Radoane, A.Vespremeanu-Stroe (Eds.) *Landform dynamics and evolution in Romania*, Springer, 865 p. (p. 305-325)
- Micu, M.**, Jurchescu, M., Şandric, I., Mărgărint, C., Zenaida, C., Dana, M., Ciurean, R., Ilinca, V., Vasile, M. (2016) *Mass movements*, in M.Radoane, A.Vespremeanu-Stroe (Eds.) *Landform dynamics and evolution in Romania*, Springer, 865 p. (p. 765-820)
- Havenith, H.B., Torgoev, A., Braun, A., Schlogel, R., **Micu, M.** (2016) *A new classification of earthquake-induced landslide events based on five main factors: focus on fault contribution and on distant triggering*, *Geoenvironmental Disasters*, 3:6, p, DOI: 10.1186/s40677-016-0041-1)
- Hussin, H., Zumpano, V., Reichenbach, P., Sterlacchini, S., **Micu, M.**, Van Westen, C.J., Bălteanu, D., (2016) *Different landslide sampling strategies in a grid-based bi-variate statistical susceptibility model*, *Geomorphology*, 253, pp. 508-523
- Riedmann, M., Bindrich, M., Damen, M., Van Westen, C.J., **Micu, M.** (2014) *Generating a landslide inventory map using stereo photo interpretation and radar interferometry techniques, a case study from the Buzau area, Romania*, *Proceedings of the International Conference Analysis and Management of Changing Risks for Natural Hazards*, p.571-577, 705 p.
- Damen, M. **Micu, M.**, Zumpano, V., Van Westen, C.J., Sijmons, K. and Balteanu, D. (2014) *Landslide mapping and interpretation: implications for landslide susceptibility analysis in discontinuous data environment*, *Proceedings of the International Conference Analysis and Management of Changing Risks for Natural Hazards*, p.177-186, 705 p.
- Hussin. H., Zumpano, V., Reichenbach, P., Sterlacchini, S., **Micu, M.**, Van Westen, C.J., Balteanu, D. (2014) *The effect of landslide representation and sample size on susceptibility assessments applied to different landslide types and case study areas*; *Proceedings of the International Conference Analysis and Management of Changing Risks for Nat. Hazards*, p.113-123, 705 p.
- Zumpano, V., Balteanu, D. and **Micu, M.**,(2014). *Landslide risk scenarios and associated uncertainty in relatively scarce data environment: a methodological approach for Buzau County, Romania*, in Y. Yueping (Ed.) *Proceedings of World Landslide Forum 3*, pp. 354–360, Beijing.
- Malek, Z., Zumpano, V., Schroter, D., Glade, T., Balteanu, D., **Micu, M.** (2014) *Scenarios of land cover change and landslide susceptibility: an example from the Buzau Subcarpathians, Romania*; in Lollino, G., Manconi, A., Guzzetti, F., Culshaw, M., Bobrowsky, P., Luino, F. (Eds.) *Engineering Geology for Society and Territory*, Vol.5, pp.743-756,1400 p.
- Zumpano, V., Hussin, H., Reichenbach, P., Bălteanu, D., **Micu, M.**, Sterlacchini, S. (2014) *A landslide susceptibility analysis for Buzău County, Romania*, *Revue Roumaine de Géographie/Romanian Journal of Geography*, Vol. 58 (1)
- Micu, M.**, Jurchescu, M., Micu, D., Zarea, R., Zumpano, V., Bălteanu, D. (2014) *A morphogenetic insight into a multi-hazard analysis: Bâsca Mare landslide dam*, *Landslides*, DOI 10.1007/s10346-014-0519-4
- Micu, M.**, Bălteanu, D. (2013) *The Impact of Deep-Seated Landslides on Reservoirs and Rivers in Vrancea Seismic Region*, în Vol. Margotini, Canuti, Sassa (Editors) *Landslide Science and Practice*, Vol.6: *Risk Assessment, Management and Mitigation*, p. 117-123, Springer Verlag, 2013, DOI 10.1007/978-3-642-31319-6.
- Micu, M.**, Bălteanu, D. (2013) *A deep-seated landslide dam in the Siriu Reservoir, Bend Carpathians – Romania*, *Landslides*, June 2013, Volume 10, Issue 3, pp 323-329, DOI 10.1007/s10346-013-0382-8
- Bălteanu, B., **Micu, M.** (2012) *Morphodynamics of the Chirleşti mudflow (Buzău Mountains)*, *Romanian Journal of Geography*, 56, 2.
- Micu, M.** (2011) *Landslide assessment: from field mapping to risk management. A case - study in the Buzău Subcarpathians*, *Forum geografic. Studii și cercetări de geografie și protecția mediului* Volume 10, Issue 1/ June 2011, DOI: 10.5775/fg.2067-4635.2011.021
- Micu M.**, Chendeş V., Sima M., Bălteanu, D., Micu, D., Dragotă, C. (2010), *A multi-hazard assessment in the Bend Carpathians of Romania*, in Glade, T., Casagli, N., Malet, J.P (Eds.): *Mountain Risks: bringing science to the society*, CERG Editions, Strasbourg.
- Micu, M.**, Bălteanu, D., Micu, D., Zarea, R., Ruță, R. (2010) *2010-landslides in the Romanian Curvature Carpathians*, in vol. Loczy, D. (Editor) *Extreme Weather and Geomorphology*, p 251-265, Springer Verlag, 2013. DOI 10.1007/978-94-007-6301-2.
- Micu, M.**, Bălteanu, D. (2009) *Landslide hazard assessment in the Curvature Carpathians and Subcarpathians, Romania*, *Zeitschrift fur Geomorphologie*, Suppl.3, 53, Stuttgart, Germany