



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) BOGDAN ANDREI / MIHAI
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E-mail bogdanandrei0771@gmail.com
Nationality Romanian
Date of birth July, 08, 1971, Ploiesti town, Prahova County, Romania
Gender male

Desired employment / Occupational field

Research, teaching

Work experience

teaching including PhD supervising in geography (since 2010) – seven PhD titles certified by CNATDCU authority, currently eight PhD students in stage

Dates 2010-, 2009-, 2006-2009, 2001-2006, 1998-2001, 1995-1998

Occupation or position held Professor Ph.D. Supervisor, Professor, associate professor, lecturer, assistant lecturer, assistant

Main activities and responsibilities Teaching courses and workshops in: remote sensing, photogrammetry, digital photogrammetry, applied photogrammetry in cartography and land registration, remote sensing image analysis, statistics in geomorphology and cartography, climatic geomorphology, geomorphology, physical geography, physical geography of Romania, geomorphology of Romania.

Name and address of employer University of Bucharest, Faculty of Geography, Department of Geomorphology, Pedology and Geomatics, 1, Nicolae Balcescu Blvd., 010041, Bucharest, Romania

Type of business or sector Teaching activities, research activities

Work experience

Teaching, fieldwork
research

Dates from 1995

Occupation or position held Researcher (since 2007, researcher 2nd class, since 2012, researcher 1st class)

Main activities and responsibilities Research activities within research grants (field and laboratory research)

Documentation work

Coordination of some research projects (unique and membership of coordinating team), including ROSA STAR projects (2012-2015)

Name and address of employer |

Type of business or sector Research activities

Level in national or international
classification Researcher First Class

Personal skills and competences 1999-2003 PhD studies (University of Bucharest, Faculty of Geography)
 PhD Thesis: Timis Mountains (Curvature Carpathians). Morphodynamic and mountain space planning issues.
 Skills and competences in remote sensing image analysis, digital mapping, geomorphic mapping.

2001, August – Research grant, Abisko Research station, Sweden, supported by the Royal Swedish Academy of Sciences.

2000, November, December – Research fellow, Institut de Geographie Alpine, Universite Joseph Fourier, Grenoble, France, supported by Romanian Government.

1999, February, Courses in teaching techniques for first level students at Liverpool Hope University College, United Kingdom, within the programme “Geography for the New Undergraduate” (GNU) financed by British Council.

1998, August, Courses in GIS meta databases development and management, Agricultural University of Debrecen, Hungary, supported by EU fundings.

1995-1996 Master of Science in Landscape Sustainable Management and Regional Planning, University of Bucharest, Faculty of Geography.

1990-1995 Bachelor in Geography, specialization in Geomorphology and Pedology, University of Bucharest, Faculty of Geography.

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English Language

French Language

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
advanced	advanced	advanced	advanced	intermediary
advanced	advanced	advanced	advanced	intermediary

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/123456789)

Social skills and competences

Research team experience, developed within more than 20 research themes (of national and international level).
 Collaboration in research activity with Swiss colleagues from University of Lausanne: prof. Emmanuel Reynard (2005) in mapping morphodynamic features on Bucegi Plateau (Romanian Southern Carpathians) in the context of a high level anthropogenic pressure from touristic activities; PhD student Gabriela Moaca-Werren (2006) in detailed mapping of erosion related landforms on Bucegi Plateau.

Organisational skills and competences

PhD coordinator in geography, University of Bucharest, Faculty of Geography, since 2010
 Coordinator for Bachelor and Master thesis
 Experience in development and coordination of ERASMUS/SOCRATES exchanges for students and PhD students (Austria, Czech Republic, Poland, Spain, Germany, Switzerland)
 Competence in teaching to foreign students at different universities from Europe as invited teaching staff.
 Experience in fieldwork management for teaching and research

Technical skills and competences

Computer skills and competences

Common computer skills in Windows and Microsoft Office
 GIS analysis and model development using different software packages (ArcView, ArcGIS, Global Mapper)
 Remote sensing image analysis in digital environments (ENVI 4.7-5.2, SNAP 5.0 with Sen2COR)
 Photogrammetric data processing (ENVI 4.7-5.2, Agisoft photoscan)

Artistic skills and competences	Experience in drawing for geographical purposes Field photography Scale modelling of landscapes
Other skills and competences	
Driving licence	Yes, Romanian B category licence
Additional information	Executive membership, Science for the Carpathians group, from september 2016. Founding Membership of AGR (Romanian Association of Geomorphologists), from 1997 – affiliated to IAG Founding Membership of Romanian Association of Professional Geographers, 2008 Member of the Romanian Society of Photogrammetry and Remote Sensing, 2012 Prize and Diploma of the Romanian Ministry of Education for the coordination of Romanian Team to the International Geography Olympiad (Gdynia, Poland, 2004) – two gold and one bronze medal. Prize of the University of Bucharest, for scientific publication, 2008 Prize of the Romanian Grant Agency for Higher Education (CNCSIS), 2008 for the ISI indexed paper Change detection analysis (1986/2002) for the alpine, subalpine and forest landscape in Iezer Mountains Expert for license work, University of Lausanne, Institute of Geography, june 2007 (coordinator prof. Emmanuel Reynard) Technical staff member Revista de Geomorfologie (Romanian Journal of Geomorphology) – EBSCO HOST database indexed (since 2009). Permanent associated teaching staff membership, West University of Timisoara within the GIS Master of Science Programme (from 2010) Representative of the University of Bucharest to SATEXPO 2009 Rome exhibition focused on GIS, remote sensing and other satellite related technologies. Reviewer for different ISI indexed journals: International Journal of Remote Sensing, Remote sensing of environment, Mountain Research and Development, Central European Journal of Geosciences, European Journal of Remote Sensing, Science of the Total Environment (invited co-editor, 2017). Invited professor for teaching activities, University of Lausanne, Institute of Geography and Sustainability, November 2015 (SEMP-STA programme).
Annexes	List of publications and coordinated research projects

PUBLICATION LIST (Selection)

A. PhD Thesis

Mihai, B. (2003) Muntii din bazinul Timisului (Carpatii Curburii). Studiu geomorfologic cu privire speciala asupra morfodinamicii actuale si amenajarii spatiului, Universitatea din Bucuresti, Facultatea de Geografie, ca.600 p., coordinated by prof. Mihai Ielenicz, Magna cum Laude.

B. BOOKS AND BOOK CHAPTERS

1. **Mihai, B.**, Nedelcu, A., Buterez, C. – coordinators (2016) Judetul Prahova. Spatiu, societate, economie, mediu, Editura Academiei Romane, Bucuresti, 610 p.
2. **Mihai, B.**, Nistor, C., Săvulescu, I. (2014) Dictionar enciclopedic de teledetectie, Volumul I, Editura Universitatii din Bucuresti, 668 p, CD-ROM with imagery.
3. **Mihai, B.**, Sandric, I., Savulescu, I., Chitu, Z. (2010) Detailed Mapping of Landslide Susceptibility for Urban Planning Purposes in Carpathian and Subcarpathian Towns of Romania, Cartography in Central and Eastern Europe, Lecture Notes on Geoinformatics and Cartography, Springer Verlag (published on Springerlink.com.), Chapter 26, pp. 417-427.
4. **Mihai, B.** (2009) Teledetectie. Notiuni si principii fundamentale, Editura Universitatii din Bucuresti, 190 p.

5. **Mihai, B.** (2008) Predeal, Poiana Brasov, chapters 4.1.4 si 4.1.5 in Resorts of national interest in the Romanian Carpathians. Nature, local communities, tourist facilities, policies for sustainable tourism, Edit. Universitara, Bucuresti, 286 p. (Ielenicz, M., Matei, E., Cianga, N., Iatu, C., Vert, C., eds.).
6. **Mihai, B.** (2008) Teledetectie. Notiuni generale., Ed. Credis, Bucuresti, 90 p.
7. **Mihai, B.** (2007) Teledetectie. Vol 1. Procesarea digitala a imaginilor, Ed. Universitatii din Bucuresti, 208 p.
8. **Mihai, B.** (2005) Muntii din bazinul Timisului (Carpatii Curburii). Potential geomorfologic si amenajarea spatiului montan, Ed. Universitatii Bucuresti, 410 p.
9. Ielenicz, M., Comanescu, Laura, **Mihai, B.**, Nedelea, Al., Oprea, R., Patru, Ileana, Sandulache, I. (2003) Romania. Enciclopedie turistică, Ed. Corint, Bucuresti, 335 p.
10. Ielenicz, M., Comanescu, Laura, **Mihai, B.**, Nedelea, Al., Oprea, R., Patru, Ileana (1999, 2003) Dictionar de geografie fizica, Ed. Corint, Bucuresti, 500 p.

C. ARTICLES INDEXED IN ISI DATABASES (S), ARTICLES INDEXED IN DATABASES (D), ARTICLES PUBLISHED IN INTERNATIONAL CONFERENCE PROCEEDINGS (VI), ARTICLES PUBLISHED IN OTHER RECOGNIZED JOURNALS (L), ARTICLES PUBLISHED IN NATIONAL CONFERENCE PROCEEDINGS (VN).

S. ARTICLES INDEXED IN ISI DATABASES.

- S1. Mihai, B.,** Savulescu, I., Sandric, I. (2007) Change detection analysis (1986/2002) for the alpine, subalpine and forest landscape in Iezer Mountains (Southern Carpathians, Romania), Mountain Research and Development, 27,3, 250-258.
- S2. Sandric, I., Mihai, B.,** Savulescu, I., Suditu, B., Chitu, Z. (2007) Change detection analysis for urban development in Bucharest-Romania using high resolution satellite imagery, 2007 Urban Remote Sensing Joint Event, Paris, Edited By IEEE, ISBN: 1-4244-0712-5, 1-10.
- S3. Dobre, R., Mihai, B.** Savulescu, I. (2011) The Geomorphotechnical Map: a highly detailed geomorphic map for railroad infrastructure improvement. A case study for the Prahova River Defile (Curvature Carpathians, Romania), Journal of Maps, v2011, 126-137.
- S4. Savulescu, I., Mihai, B.** (2011) Geographic information system (GIS) application for windthrow mapping and management in Iezer Mountains, Southern Carpathians. Journal of Forestry Research: online 24.11.2011: 1-10.
- S5. Sandric, I., Chitu, Z., Mihai, B.** Savulescu, I., 2011. Landslide Susceptibility for the Administrative Area of Breaza, Prahova County, Curvature Subcarpathians, Romania, Journal of Maps, v2011: 552-563.
- S6. Savulescu, I. Mihai, B.** (2011) Mapping forest landscape change in Iezer Mountains, Romanian Carpathians. A GIS approach based on cartographic heritage, forestry data and remote sensing imagery, Journal of Maps, v2011, 429-446.
- S7. Mihai, B.,** Dobre R., Săvulescu, I. (2014) Geomorphotechnical Map for Railway Mainline Infrastructure Improvement. A case study from Romania, Geomorphologie, 1, 1, 79-90.
- S8. Mihai, B.,** Săvulescu, I., Șandric, I., Chițu, Z. (2014) Integration of landslide susceptibility assessment in urban development: a case study in Predeal town, Romanian Carpathians, Area, 46, 4, 377-388.
- S9. Mihai, B.,** Nistor, C., Simion, G. (2015) Post-socialist urban growth of Bucharest, Romania – a change detection analysis on Landsat imagery (1984–2010), Acta Geographica Slovenica, 55, 1, 223-234.
- S10. Mihai, B.,** Nistor, C., Toma, L., Savulescu, I. (2016) High Resolution Landscape Change Analysis with CORONA KH-4B Imagery. A Case Study from Iron Gates Reservoir Area, Procedia Environmental Sciences, ECOSMART Conference Bucharest, 200-210.
- S11. Rujoiu Mare M., Mihai, B.** (2016) Mapping Land Cover Using Remote Sensing Data and GIS Techniques: A Case Study of Prahova Subcarpathians, Procedia Environmental Sciences, ECOSMART Conference Bucharest, 244-255.
- S12. Buterez, C., Olariu, B., Mihai, B.,** Rujoiu Mare, M., Cruceru, I. (2016) General map of Prahova County, Romania. A new approach, Journal of Maps, v2, 1-5.
- S13. Nistor, C., Mihai, B.,** Toma, L., Cârlan, I. (2017, in press) Photogrammetric modelling for urban medieval site mapping. A case study from Curtea de Argeș, Romania, Quaestiones Geographicae, 36(3), 2017, 59-72.
- S14. Mihai, B.,** Săvulescu, I., Rujoiu-Mare, M., Nistor, C. (2017) Recent forest cover change (2002-2015) in Southern Carpathians. A case study of Iezer Mountains, Romania, Science of the Total Environment, vol. 599-600, 2166-2174.
- S15. Rujoiu-Mare, M., Olariu, B., Mihai, B. A.,** Nistor, C., Săvulescu, I. (2017) Land cover classification in Romanian Carpathians and Subcarpathians using multi-date Sentinel-2 remote sensing imagery, European Journal of Remote Sensing, vol. 50, 1, 496-508.

S16. Nistor, C., **Mihai, B.A.**, Toma, L., Olariu, B., Rujoiu-Mare, M. (2017) Urban landscape change in Carpathian Mountain resorts, *Journal of Maps*, 13,1, 101-106.

D. ARTICLES INDEXED IN DATABASES

D1 Mihai, B., Reynard, E. Werren, G., Săvulescu, I. Șandric, I., Chițu, Z. (2009) Impacts of tourism on geomorphological processes in the Bucegi Mountains (Romania), *Geographica Helvetica*, 134-147 (GENAMICS, SEALS.ch).

D2 Mihai B., Savulescu, I., Sandric, I. (2006) Apports de la methode de detection des changements pour l evaluation de la dynamique de l etagement de la vegetation dans les monts de Bucegi (Carpatas Meridionales, Roumanie), *Teledetection*, 6, 3, 215-231. (CyberGEO, DOAJ).

D3 Mihai B., Sandric I. (2004). Relief Accessibility Mapping and Analysis in Middle Mountain Areas. A Case Study in the Postavaru-Piatra Mare-Clăbucetele Predealului Mts. (Curvature Carpathians), *Studia Geomorphologica Carpatho-Balcanica*, 37, 75-82 (World Cat).

D4 Vespremeanu-Stroe Alfred, **Mihai, B.**, Cruceru, N., Preoteasa L. (2004-2005, aparut 2007) The freeze-thaw cycles frequency in the Romanian Carpathians, *Revue Roumaine de Geographie*, t. 46-47, Ed. Academiei, Bucuresti (GENAMICS).

D5 Ielenicz, M., Patru, Ileana, **Mihai, B.** (1999) Some geomorphic types of landslides in Romania, *Transactions. Japanese Geomorphological Union*, 20,3, Kyoto, 287-296 (Sciencelinks.jp, CiNii).

D6 Chițu, Z., Istrate, A., Adler, M.-J., Șandric, I., Olariu, B., **Mihai, B.** (2015) Comparative study of the methods for assessing landslide susceptibility in Ialomița Subcarpathians, Romania, *Engineering Geology for Society and Territory*, Volume 2, pp. 1205-1209 (Springerlink).

D7. Purcăreață, G.I., **Mihai, B.**, Dobre, R. (2015) A model of land suitability general analysis for new infrastructure projects in Bârsa country, *Forum Geografic*, 14,1, 51-63 (EBSCO, DOAJ).

D8. Rujoiu-Mare, M.-R., Olariu, B., Mihai, B.-A. (2016) Space planning in Prahova Subcarpathians, Romania. Landslides - land cover relationship analysis. *Cinq Continents* 6 (13): 21-41 (EBSCO, DOAJ).

VI. ARTICLES PUBLISHED IN INTERNATIONAL CONFERENCE PROCEEDINGS (with ISSN or ISBN)

a. Extended Papers in Conference Proceedings

VI.1. Sandric, I., **Mihai, B.**, Chitu, Z., Gutu, A., Savulescu, I. (2010) Object oriented methods for landslide detection using high resolution imagery, morphometric properties and meteorological data, *ISPRS Archives*, 38, 7 B, ISPRS TC VII- ISPRS 100 years, Vienna, 486-491.

VI 2. **Mihai, B.**, Savulescu, I., Demeter, T. (2010) Historical Maps (starting since the 18th century) integration in digital environment for land cover change analysis. A case study for Campulung Depression (Northern Wallachia, Romania), *Vth International Workshop on Digital Approaches in Cartographic Heritage*, Vienna, Austria, February 2010, Conference Proceedings, Technische Universität Wien, 375-391.

VI.3. Chitu, Z., Sandric, I., **Mihai B.**, Savulescu, I. (2009) Evaluate Landslide Susceptibility using Statistical Multivariate Methods: A case-study in the Prahova Subcarpathians, Romania, *Conference Landslide processes. From geomorphological mapping to dynamic modelling*, Editions du CERG, Strasbourg, 265-270.

VI.4. **Mihai, B.**, Sandric, I., Savulescu, I., Chitu, Z. (2009) Detailed Mapping of Landslide Susceptibility for Urban Planning Purposes in Carpathian and Subcarpathian Towns of Romania. Case studies., *ICA Symposium on Cartography for Central and Eastern Europe*, Technische Universität, Vienna, Austria, february 2009, 809-826.

VI 5. **Mihai B.** (2004) Assessing the relief's potential for skiing area development in Timis Mountains, *Proceedings of the Romanian – Turkish Workshop on Geography*, Ed. Universitara, Bucuresti.

VI 6. Ielenicz, M., Ene, M., **Mihai, B.** (2002) The Curvature Carpathians and Subcarpathian Zone. Current use of tourist potential, *Turkey-Romania Geographical Academic Seminar*, Izmir june 2001, Inkilap Publishing House, Istanbul, 37-45.

VI 7. Ielenicz, M., **Mihai, B.** (2002) Salt domes in Romania and prospective touristic opportunities, *Turkey-Romania Geographical Academic Seminar*, Izmir june 2001, Inkilap Publishing House, Istanbul, 73-82.

VI 8. Nedelea, Al., **Mihai, B.** (2001) Implicatii geografice ale activităților pastorale pe versantul sudic al Masivului Făgăraș (Bazinul superior al Argesului), *Geography within the contemporary development*, Cluj-Napoca, 212-217.

VI 9. Ielenicz, M., **Mihai, B.** (1999) Man – relief relationship in Dognecea Mountains, *Proceedings of the Regional Conference of Geography – Danube-Cris-Mures-Tisa Euroregion*, Timisoara-Novi Sad-Szeged-Tubingen, 75-79

VI 10. Vintila, Gabriela, Mocanu, N., **Mihai, B.**, Marin, M. (1999) Locvei Mountains and sustainable development-a real opportunity?, *Proceedings of the Regional Conference of Geography – Danube-Cris-Mures-Tisa Euroregion*, Timisoara-Novi Sad-Szeged-Tubingen, Ed. Mirton, Timișoara, 363-369

VI 11. Ielenicz, M., **Mihai, B.** (1999) Transformations in the Romanian Landscape since 1989, *Postcommunist Romania-Geographical Perspectives*, Liverpool Hope Press, 61-66

VI 12. Ielenicz, M., **Mihai, B.** (1999) Settlement potential of the Curvature Carpathians and its use degree, *Rural space and regional development. Conference proceedings*, Cluj-Napoca

VI 13. **Mihai, B.**, Barligeanu, C. (1996) Cateva consideratii geomorfologice asupra abruptului prahovean al Bucegilor, *A Doua Conferință Regională de Geografie*, Universitatea de Vest, Timișoara, 145-151.

VI 14. **Mihai, B.** (1995) Physionomical features of the Romanian cities and towns, *International Geographical Union Regional Conference Conference Proceedings*, CD-ROM, Charles University, Albertina Icome, Praha.

D. RESEARCH PROJECTS (GRANTS)

a. International Research Grants

1. 1999 Harta geomorfologică a României 1: 50000, Banca Mondială (cca. 100000 USD), Geomorphic Map of Romania.
2. 2001 Harta riscului geomorfologic in Romania 1: 50000, Banca Mondială, Geomorphic Risk Map of Romania.
3. 2007 LIFE NATURE Ecological restoration of Lower Prut Floodplain Natural Park, EU Commission , 2005-2009.

b. Director of scientific grants

CNCSIS AT 33379/ 2004-2005

Analiza și cartografierea în mediu digital a hazardelor și riscului geomorfologic în intravilanul oraselor montane. Studii de caz (buget total cca 5000 lei) (Mapping and analysis of geomorphic hazards and risk in mountain town and resorts. Case studies).

CNCSIS AT cod 147/ 2006-2007 Baza de date pentru analiza, cartografierea și gestiunea durabilă a situațiilor de hazard și risc în spațiul urban. Aplicații în orașul Orșova (buget cca. 80000 lei) – GIS database for mapping, analysis and sustainable management of geomorphic hazard and risk in Orsova town.

CEEX-PCD 7042/2006-2008, MEDALP (membership in coordinating team) Impactul schimbărilor climatice asupra dinamicii Holocene și actuale a mediilor alpine din Carpații Românești (buget total 64000 lei) – The impact of climate changes on the Holocene and Present-day alpine environments dynamics.

SIAFIM 2012-2015 Satellite Image Analysis for Fire Monitoring – ROSA STAR competition Satellite Image Analysis for Fire Monitoring (project director), financed by ESA (European Space Agency), co-financed by Intergraph Romania and UEFISCDI — see link <http://www.ingr.ro/siafim/index.htm>.

c. Membership of national grants research team (after 2001)

2001 Modele morfodinamice în Carpați și Subcarpați, CNCSIS – Studiu de caz-modelul munților mijlocii cu relief structural și petrografic. Morphodynamic models in Romanian Carpathians and Subcarpathians.

2002 Modele morfodinamice în Carpați și Subcarpați, CNCSIS – Potențialul morfodinamic al Munților din bazinul Timișului. Morphodynamic models for the Romanian Carpathians and Subcarpathians.

2005 Analiza culoarelor de vale transcarpatice în vederea dezvoltării durabile, CNCSIS – studii de caz (Valea Timișului în Munții Bârsei, orașul Predeal, scenariul de amenajare al autostrăzii București-Brașov în sectorul Valea Râșnoava).

Transcarpathian Passage Ways in Romania. Geographical analysis for a sustainable development.

2007 Cercetări integrate privind geneza cutremurelor intracontinentale de adâncime intermediară din zona Vrancea, proiect CEEX 2 MENER/MCT nr. 732 din 24.07.2006, director echipă prof.dr. Mihai Ielenicz.

Integrated research for deep-intercontinental earthquake genesis in Vrancea region.

Noiembrie 2017

Bogdan Andrei Mihai