

PERSONAL INFORMATION

Gabriela Adina Morosanu

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📅 Date of birth 20/05/1991

WORK EXPERIENCE

2017–Present

Research Assistant

Institute of Geography of the Romanian Academy, Bucharest (Romania)

EDUCATION AND TRAINING

2016–2019

Joint International PhD

University of Bucharest, Faculty of Geography ("Simion Mehedinti - Natura si Dezvoltare Durabila" doctoral school) & University of Grenoble Alpes ("Terre, Univers, Environnement" Doctoral School)

2013–2015

Master in Climatology - Hydrology (valedictorian with average grade 10/10)

University of Bucharest, Faculty of Geography, Bucharest (Romania)

2010–2014

Bachelor's in Law

University of Craiova, Faculty of Law and Social Sciences, Craiova (Romania)

2010–2013

Bachelor's in Geography (valedictorian with average grade 9.92/10)

University of Bucharest, Faculty of Geography, Bucharest (Romania)

2006–2010

Highschool: Mathematics – Informatics Bilingual English profile (valedictorian with average grade 9.97/10)

"Frații Buzești" National College, Craiova (Romania)

PERSONAL SKILLS

Mother tongue(s)

Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Cambridge English Language Assessment (ESOL), Certificate in Advanced English Language Assessment in English					
French	C1	C1	C1	C1	C1
DALF - Diplôme approfondi de langue française (2015)					
Spanish	C2	C2	C2	C2	C2
Diploma de español DELE					

Portuguese	B1	B1	A2	A2	B1
Swedish	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication skills, both in Romanian and in the foreign languages, acquired during the university studies and the activities and the scientific interactions

Organisational / managerial skills Organizational abilities gained as a member of scientific associations in the field of Earth Sciences (EGEA, SAWIS, IGU Commission for Water Sustainability)
 Coordinator of the Scientific Congress of the European Association for Geography Students (EGEA) in 2016, as well as the Hydrological Committee of the same association
 Organization of scientific conferences and field practices for European geography students
 Autonomy in activity

Job-related skills Good knowledge of working methods in a research and editorial team;
 Effective in organizing tasks and delivering results within the time limits.

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Proficient user	Independent user	Independent user	Independent user

Digital skills - Self-assessment grid

- GIS and Teledetection: SAGA GIS, ArcGIS, QGIS,
- Envi, ILWIS, Global Mapper, HEC RAS, HEC HMSStatistics: R & R Studio, XLSTAT, SciLab, SPSS
- Programmation: Basic knowledge in C++ and Python
- Systems: Windows & Linux
- Photographic design and office competences: Microsoft Office, Liber Office, Latex, CorelDraw, Inkscape,
- SmartDraw, Photoscape
- Laboratory work with: granulometer, colorimeter, electronic and optical microscope, Multi-parameter probes, turbidimeter, current meter, staff gauge and level sensors

Driving licence B

ADDITIONAL INFORMATION

- Projects**
- August 2016 – December 2017: Member in AMIPAHYR project (Methodological approaches for the analysis of the anthropic impacts on the hydro-morphological state of the rivers), financed by ANCSI through the PN3/3.1./Multilateral/RO-AUF 2016-2017 program.
 - December 2015 – January 2016: Design and development of a bibliographic database on Forest Hydrology in Headwatersheds at FAO - Mountain and Watershed Team/ Forest Assessment, Management and Conservation Division. Project adviser: Elaine Springgay - Forestry Officer (Forests & Water) Elaine.Springgay@fao.org
 - December 2014 – July 2015: Coordinator of the research project "Study on water quality between Morii Lake of the river Dâmbovița and the Glina wastewater treatment plant", on the occasion of the competition "Young team of researchers", proposed by the laboratory CCMESI , Department of Geography of the Environment, Faculty of Geography, University of Bucharest.
 - 12-16 April 2016: Coordinator of the Scientific Congress of Eastern European Students "Energy Challenges and Transitions in Geosciences", which took place in Murighiol, Romania, between 12 and 16 April 2016.

- September 2015 - present: Co-founder and coordinator of the project "EGEA Hydrology" and member of the sub-project "Hydrological connectivity", an online wiki-platform for students in hydrology
- March 2014 – present: Coordinator of "Geo-olimpiad" project, for pupils participating in the International and Romanian National Geography and Earth-Sciences Olympiad.
- September 2013 – present: Board Member of European Geographer Scientific Journal, European Geography and Geosciences Association, Utrecht - 2016 – 2017 June 2012 – present: Online Environmental Greenly Magazine Editor - <http://greenly.ro/>, chief editor - Associate professor dr. Valentina Mănoiu (valentina.mariana.manoiu@gmail.com)
- July 2011– September 2011: Organizer of "Let's do it, Romania!" project in Dolj County, Cartography coordinator

Courses

- Internship at the Craiova Meteorological Platform, 1-20 July 2011.
- Internship at the Jiu River Watershed Administration, Craiova, August 2011.
- Practical training at the National Institute of Hydrology and Water Management, Bucharest, in the research project "Hydrological database of I Aldeni experimental basin", March - April 2014.
- Summer School of "Environmental hazards and sustainable development in mountain regions"
- Pătărlagele village, Buzău County, Romania, organized by the National Institute of Geography, Romanian Academy, 14-20 July 2014.
- Summer School "Practical methods for environmental assessment", Bucharest, Romania, organized by the Center for Environmental Research and Impact Studies, Faculty of Geography, University of Bucharest, 21– 25 July 2014.
- Online course "Introduction to water and climate change", Delft University of Technology, September- November 2014.
- Course ArcGIS 1 and ArcGIS 2, ESRI Romania, 17 – 21 November 2014.
- Online course "Les Rivières et les Hommes", November 2014 - January 2015, GrenobleINP, MOOC Platform.
- Pedagogical Module, Level I (Highschool teaching) and II (University teaching), Faculty of Psychology and Education Sciences, October 2010 - June 2015.
- Internship at the Pierre & Marie Curie University, Paris 6, June - August 2015, on the relationship between solid and liquid discharge through the GR4J hydrological model (supported by an AUF scholarship), Coordinator - prof. dr. Pierre Ribstein - pierre.ribstein@upmc.fr
- Online course "Rivers and Men: Hydrology, Hydraulics, Geomorphology", November 2015 - January 2016, GrenobleINP, Platform MOOC.
- Project Management course, accredited ARACIS, Bucharest, 5-8 May 2016.
- Master courses at the University of Grenoble Alps and the National Polytechnic Institute of Grenoble (September - December 2016): Geochemistry of water and modeling, Geostatistics, River Dynamics, Climatic and environmental variability, Hydrology and Hydraulics.
- Scientific Formation of the Doctoral Community of the Grenoble University Alps: Scientific French, November - December 2017.
- Transversal Formation of the Doctoral Community of the Grenoble Alps University: "Mastering student behavior in the classroom", 15-16 December 2017.
- Scientific Formation of the Doctoral Community of the Grenoble Alps University: "Reading quickly and efficiently", January 2017.
- Scientific Formation of the Doctoral Community of the Grenoble University Alps: "Introduction in R and R studio", February 2017.
- Scientific Formation of the Doctoral Community of Grenoble University Alps: "Advanced R for users and developers", February – March 2017.
- Transversal Formation of the Doctoral Community of the Grenoble Alps University: "*Expression orale - communication interpersonnelle Session 2*", 3-4 May 2017.
- Short Scientific Visit in the Research Institute for Geo-Hydrological Protection (IRPI) of the National Research Council of Italy (CNR) in Padova, granted by European COST action ES1306: Connecting European Connectivity Research, July 2017 and January 2018.
- Internship in the Geochemistry Laboratory of the Faculty of Mining, the University of Petrosani,

Romania, 20 October - 10 November 2017.

- Internship in the Laboratory of Organic Petrology from the Faculty of Earth Sciences, University of Silesia in Katowice, Poland, February 2018.

Conferences

- **"Water resources and wetlands" International Conference**, 14-16 September 2012, Tulcea, Romania. Title of the oral communication: *"Flood vulnerability vs. structural measures related to Jiu Valley within Craiova City"*. Author: **Moroşanu Gabriela Adina**
- **"Natural Hazards-Links between Science and Practice" International Conference**, 8-11 October 2013, Belgrade. Title of the oral communication: *"Causes and consequences of flash floods in the upper basin of Desnăţui River, Romania"*. Author: **Moroşanu Gabriela Adina**
- **"Environment, Society and Geospatial Technology" International Conference**, 16-17 November, Bucharest, Titles of the oral communication: *"Detection of hydrological characteristics using statistical analysis in the upper basin of Desnăţui River, Romania (1964-2011)"*. Authors: **Moroşanu Gabriela Adina**, Velcu Gabriel.
- **"Air and Water – components of the environment" International Conference**, 21-22 March 2014, Cluj-Napoca, Romania. Title of the oral communication: *"Characteristics of thermal anomalies occurring during the cold season above Bucharest, as determined on the basis of radio and satellite soundings"*. Authors: Bărcăcianu Florentina, **Moroşanu Gabriela Adina**, Apostol Liviu.
- **International Conference "Geography, Environment and GIS for students and young researchers"**, 22-24 May 2014, Valahia University, Târgovişte, Romania. Title of the oral communication: *"The implementation of SCS-CN method for determining the maximum water discharge in Coşuştea Hydrographic Basin"*. Author: **Morosanu Gabriela Adina**.
- **"Present Environment & Sustainable Development" International Conference**, 6-8 June 2014, Iassy, Romania. Title of the poster: *"The dryness and drought phenomena within Oltenia Plain revealed by NDDI from MODIS"*. Authors: Onţel Irina, Ionac Nicoleta, **Moroşanu Gabriela Adina**, Velcu Gabriel.
- **"Water resources and wetlands" International Conference**, 11-13 September, 2014, Tulcea, Romania. Title of the poster: *"Lateral changes and responses of channel and flood plain in a sector of Morava river. A diachronic approach"*. Author: **Morosanu Gabriela Adina**.
- **"Danube 2014" International Conference**, Deggendorf, Germany, 22-24 September 2014. Title of the poster: *"Assessing bank erosion potential and migration of the confluence sector between Motru and Coşuştea rivers, Romania"*. Author: **Morosanu Gabriela Adina**
- **"Dimitrie Cantemir" International Geography Symposium**, 17-19 October 2014, Faculty of Geography and Geology, University Alexandru Ioan Cuza, Iassy, Romania. Title of the oral communication: *"L'évaluation complexe du potentiel pour la genèse des crues dans le bassin versant inferieur de la rivière Coşuştea, Roumanie"*. Author: **Morosanu Gabriela Adina**.
- **Annual International Conference of the Faculty of Geography, University of Bucharest "Changing Géographies and Societies"**, 15 November 2014, Bucharest, Romania. Title of the oral communication: *"Fântânele reservoir and its influence on the flow regime of Desnăţui river"*. Authors: **Moroşanu Gabriela Adina**, Liliana Zaharia.
- **Symposium of the National System for Water Information**, 2 – 4 December, 2014, Rabat, Maroc. Title of the poster: *"La gestion intégrée des ressources en eau (GIRE) à l'échelle de la ville de Meknes: apport des systèmes d'information géographique"*. Authors: Ben-Daoud Mohamed, Mouhaddach Omar, Essahlaoui Ali, Kestemont Marie-Paule, **Moroşanu Gabriela Adina**, El Jaafari Samir.
- **"Air and Water – components of the environment" International Conference**, 20 – 22 March 2015, Cluj-Napoca, Romania. Title of the oral communication: *"The assessment of floods within Coşuştea river basin, Romania (2000 - 2012). A statistical and conditional approach"*. Authors: **Moroşanu Gabriela Adina**, Ben-Daoud Mohamed.
- **"Information & Communication Technologies (MedICT 2015)" Mediterranean Conference**, 7-9 May 2015, Saïdia – Morocco. Title of the poster: *"Web Services for the sharing and reuse of water data in Morocco"*. Authors: Moumen Aniss, Jarar Oulidi Hassan, Nafis Fouad, Aghoutane Badraddine, **Moroşanu Gabriela Adina**, El Mansouri Bouabid, Khazaz Lamiaa.
- **International Conference "Geography, Environment and GIS for students and young researchers"**, 21 – 23 May 2015, Valahia University, Târgovişte, Romania. Title of the poster: *"On the determination of flooding potential on Corcova village, Romania. Implementing of different GIS methods, based on the topographical input, hydrological maxima and field observations"*, Author: **Morosanu Gabriela Adina**

- **European Forestry Commission Working Party on the Management of Mountain Watersheds**, 22 – 24 September, Pieve Tessino, Italy. Title of the poster: *"Preliminary study of the hydrological effects induced by human intervention in the forest and river environment in the mountainous sector of Jiu Watershed, Romania"*. Author: **Morosanu Gabriela Adina**
- **"Dimitrie Cantemir" International Geography Symposium**, Faculté de Géographie et Géologie, Faculty of Geography and Geology, University Alexandru Ioan Cuza, Iassy, 16-18 Octobre, 2015 – *"Evaluation de la qualité physique de la rivière Coșuștea par la méthode Téléos"*. Authors : **Moroșanu Gabriela Adina**, Verniers Gisele, Zaharia Liliana.
- **"Ecosmart" International Conference**, 12-15 November 2015, Bucharest. Title of the oral communication: *"Assessing the physical quality of the Coșuștea River using the Qualphy method"*. Authors: **Moroșanu Gabriela Adina**, Verniers Gisele, Zaharia Liliana.
- **Young researchers workshop**, Geography Institute of Romanian Academy, 4 December 2015. Title of the oral communication: *"Assessment of potential erosion and riverbed Coșuștea migration. Case study: lower sector between Șișești and the confluence with the river Motru"*. Author: **Morosanu Gabriela Adina**
- **"Air and Water – components of the environment" International Conference**, 25- 27 March 2016, Cluj-Napoca, Romania. Title of the oral communication: *"Recent dynamics (1975 - 2012) of Coșuștea River's suspended sediment load at Corcova hydrometric station"*. Author: **Morosanu Gabriela Adina**
- **International Conference "Geography, Environment and GIS for students and young researchers"**, 19-20 May 2016, Valahia University, Târgoviște, Romania. Title of the oral communication: *"Forest – watershed hydrology interactions in the upper sector of Jiu River Basin, Romania"*. Author: **Morosanu Gabriela Adina**
- **XXXIth National Geomorphology Symposium**, 19 – 22 May 2016, Piatra-Neamț. Title of the oral communication: *"Influența modului agrar de utilizare a terenurilor asupra resurselor de apă/ Influence du mode agricole d'utilisation des terres sur les ressources d'eau"*. Authors: Minea Gabriela, **Moroșanu Gabriela Adina**, Neculau Gianina, Pătru Georgiana.
- **XXIXe Colloque de l'Association Internationale de Climatologie "Climat et pollution"**, 6-9 July 2016, University Franche Compté, Besançon, France. Title of the oral communication: *"Analyse de la sensibilité du modèle hydrologique GR4J à l'évapotranspiration estimée avec des différentes méthodes. Etude de cas: le bassin hydrographique de la rivière Jiu"*. Author: **Moroșanu Gabriela Adina**
- **33rd International Geographical Congress (IGC)**, 21 - 25 August 2016, Beijing, China. Title of the poster: *"The relationship between forest cover and water balance in the upper basin of Jiu River, Romania"*. Author - **Morosanu Gabriela Adina**
- **33rd International Geographical Congress (IGC)**, 21 - 25 August 2016, Beijing, China. Title of the poster: *"Geography Olympics - an on-line platform for e-learning and sharing knowledge about the Geography Olympiad"*. Author: **Morosanu Gabriela Adina**.
- **"Re-shaping Territories, Environment and Societies: New Challenges for Geography" Conference**, 18-19 November 2016, Bucharest. Title of the poster presented: *"Role of catchment-scale drivers in the variation of electrical conductivity in several rivers within Jiu Watershed, Romania"*. Authors: **Moroșanu Gabriela Adina**, Ioana Toroimac Gabriela, Zaharia Liliana, Belleudy Philippe.
- **"Re-shaping Territories, Environment and Societies: New Challenges for Geography" Conference**, 18-19 November 2016, Bucharest. Title of the oral communication: *"AMIPAHYR Project – Preliminary issues"*. Authors: Zaharia Liliana, **Moroșanu Gabriela Adina**, Ioana Toroimac Gabriela, Belleudy, Philippe, Canjevac Ivan.
- **"Re-shaping Territories, Environment and Societies: New Challenges for Geography" Conference**, 18-19 November 2016, Bucharest. Title of the oral communication: *"Hydromorphological Evaluation of Rivers in Romania: A Review of Methodologies and Indicators"*. Authors: Ioana Toroimac Gabriela, Zaharia Liliana, **Moroșanu Gabriela Adina**, Ciobotaru Nicu.
- **"Air and Water – Components of the environment" International Conference**, 17 – 19 March 2017, Cluj – Napoca. Title of the oral communication: *"Methodology to Identify the Leading Factors of Rivers' Electrical Conductivity. Case Study: Jiu Catchment (Romania)"*. Authors: **Moroșanu Gabriela Adina**, Zaharia Liliana, Belleudy Philippe, Ioana-Toroimac Gabriela.
- **European Geosciences Union General Assembly**, Vienna, 23 - 29 April 2017: *"Methodology to quantify the role of the factors controlling the variation of rivers' total dissolved solids in Jiu Catchment (Romania)"*. Authors: **Moroșanu Gabriela Adina**, Liliana Zaharia, Belleudy Philippe, Ioana - Toroimac Gabriela

- **14th International Symposium on the Interactions between Sediments and Water**, 17-22 June 2017, Taormina, Italy. Title of the oral communication: "*Preliminary analysis of coal contribution in hydrosedimentary dynamics by using spectrophotometry. Case Study: Jiu River Basin, Romania*". Authors: **Moroșanu Gabriela Adina**, Legout Cedric, Belleudy Philippe, Zaharia Liliana, Ioana-Toroimac Gabriela.
- National Conference of Romanian National Institute of Water Management, "Apa, resursă esențială pentru viață, dezvoltare durabilă și mediu", 14 – 15 November 2017, Bucharest. Title of the oral communication: "*Using colorimetric and geochemical techniques in estimating the contributing catchments from coal areas to the hydro-sedimentary dynamics. Case study: Jiu River Basin*". Authors: Moroșanu Gabriela Adina, Belleudy Philippe, Traistă Eugen, Zaharia Liliana.
- Geographical Sciences and Future of Earth Conference, 18 – 19 November 2017, Faculty of Geography, University of Bucharest. Title of the oral communication: "*AMIPAHYR Research Project – a model of international cooperation*". Authors: Zaharia Liliana, Philippe Belleudy, Ivan, Canjevac, Moroșanu Gabriela Adina, Ioana – Toroimac, Gabriela, Legout, Cedric, Sylvain Bigot, Buzjak, Nenad, Plantak, Mladen, Ciobotaru Nicu.
- **Geographical Sciences and Future of Earth Conference**, 18 – 19 November 2017, Faculty of Geography, University of Bucharest. Title of the oral communication: "*Identifying major floods using geochemical tracers from alluvial deposits. An example of the Jiu River at Podari hydrometric station*". Authors: **Moroșanu Gabriela Adina**, Philippe Belleudy, Eugen Traistă, Liliana Zaharia, Gabriel Minea.
- **Young researchers workshop**, Geography Institute of Romanian Academy, 8 December 2017. Title of the oral communication: "*Optical properties of fine alluviums using image analysis and colorimetric techniques. Case study: Jiu river basin*". Author: **Morosanu Gabriela Adina**
- **European Geosciences Union General Assembly**, Vienna, 8 - 13 April 2018. Title of the oral communication: "*Sediment connectivity assessment in a Romanian catchment affected by coal mining*". Authors: **Moroșanu Gabriela Adina**, Stefano Crema, Marco Cavalli, Philippe Belleudy, Liliana Zaharia.
- **The 34th Romanian National Symposium on Geomorphology and the 19th Joint Geomorphological Meeting**, May 16 – 20, 2018, Buzau, Romania: "*Influence of hillslope – river channel coupling on suspended sediment transfer during high flood events. Case study: Jiu River catchment (Romania)*". Authors: **Moroșanu Gabriela Adina**, Stefano Crema, Marco Cavalli, Liliana Zaharia, Toroimac - Ioana Gabriela
- **IGU Regional Conference**, 6 - 10 August 2018, Quebec City, Canada: "*Apportioning sources of streambank sediments by using coal mining tracers. The case of Jiu River Basin (Romania)*". Authors: **Moroșanu Gabriela Adina**, Traistă Eugen, Belleudy Philippe, Zaharia Liliana, Minea Gabriel
- **Goldschmidt 2018 Conference of Geochemistry**, 12 - 17 August 2018, Boston, USA. Title of the poster: "*Using coal and heavy minerals content for identifying fine sediments sources in Jiu River Basin (Romania)*". Authors: **Moroșanu Gabriela Adina**, Traistă Eugen, Zaharia Liliana Belleudy Philippe
- **EGU General Assembly**, 7 - 12 April 2019, Vienna, Austria. Title of the oral communication: "*Sediment sources in a complex river basin affected by coal mining: generating areas, processes and time periods. The case of Jiu river basin, Romania*". Authors: **Moroșanu Gabriela Adina**, Jurchescu Marta, Zaharia Liliana
- "**Water Sustainability in a Changing World**" **International Conference**, 11-14 June 2019, Bucharest. Title of the oral communication: "*Morphometry – Lithology – Sediment load relationships by multivariate analyses in Jiu River Basin*". Authors: **Moroșanu Gabriela Adina**, Zaharia Liliana, Ioana – Toroimac Gabriela.
- **Goldschmidt 2019 Conference of Geochemistry**, 18 - 23 August 2019, Barcelona, Spain. Title of the poster: "*Geochemical Indicators of the Fine Sediments Sources in a Coal-Bearing Danubian Watershed. Application to Jiu River Basin, Romania*". Authors: **Moroșanu Gabriela Adina**, Traistă Eugen, Belleudy Philippe, Zaharia Liliana
- The 16th International Conference on Environmental Science and Technology, 4 - 7 September 2019, Rhodes, Greece. Title of the presentation: "*An integrated methodology to estimate the contribution of environmental factors controlling the spatial variation of total dissolved solids. Application on Jiu River Basin (Romania)*". Authors: **Moroșanu Gabriela Adina**, Zaharia Liliana, Gabriela Ioana Toroimac.
- "**Dimitrie Cantemir**" **International Geography Symposium**, Faculté de Géographie et Géologie, Faculty of Geography and Geology, University Alexandru Ioan Cuza, Iassy, 18 - 20 Octobre, 2019 – "*L'exploitation du charbon dans le bassin de la rivière Jiu (Roumanie). Quel impact sur les flux*

hydro-sédimentaires". Authors : **Moroşanu Gabriela Adina**, Zaharia Liliana, Traistă Eugen, Sima Mihaela, Mocanu Irena, Mitrică Bianca, Belleudy Philippe

Publications

In ISI indexed journals:

1. Minea G., **Moroşanu G.A.**, (2016), *Micro-scale hydrological field experiments in Romania*. In Open Geosciences, 8, 154 – 160, DOI: 10.1515/geo-2016-0015.
2. Ioana-Toroimac G., Zaharia L., Minea G., **Moroşanu G.A.**, (2017), *Using a multi-criteria analysis to identify rivers with hydromorphological restoration priority: Braided rivers in the south-eastern Subcarpathians (Romania)*. In Science of the Total Environment, 599–600, 700–709, DOI: 10.1016/j.scitotenv.2017.04.209
3. Moroşanu G.A., Zaharia L., Ioana-Toroimac G., (2017), *Changes in forest and water management in the upper Jiu River catchment (Romania) : possible effects on the hydro-sedimentary dynamics*. In Proceedings of the 17th International Conference SGEM 2017 - Planetary and Geo Sciences, 17 (32), 749-756, Albena, DOI:10.5593/sgem2017/32/S14.097
4. Zaharia L., Ioana-Toroimac G., **Moroşanu G. A.**, Gălie A., Moldoveanu M., Čanjevack I., Belleudy P., Plantak M., Buzjak N., Bočić, N., Legout, C., Bigot, S., Ciobotaru, N. (2018), Review of national methodologies for rivers' hydromorphological assessment: a comparative approach in France, Romania, and Croatia, Journal of Environmental Management, 217, 735–746, DOI: <https://doi.org/10.1016/j.jenvman.2018.04.017>.
5. Minea G., Ioana-Toroimac G., **Moroşanu G.A.**, (2019), The dominant runoff processes on grassland versus bare soil hillslopes in a temperate environment - An experimental study. In J. Hydrol. Hydromech., 67(4), 297–304, DOI: 10.2478/johh-2019-0018

In BDI indexed journals:

1. **Moroşanu G.A.**, (2013), *Short lasting climatic risks in Romania. Comparative case study: late rimes in May - 1952 and 2011*. In Cinq Continents, 3(7), 33-46.
2. Onţel, I., **Moroşanu G.A.**, (2013), *Assessing drought severity and its impact on vegetation within Oltenia Plain using NDVI from MODIS (2000-2010)*. In Risks and catastrophes, 14(1), 21 – 30.
3. **Moroşanu G.A.**, (2014), *Causes and consequences of flash floods in the upper basin of Desnăţui River, Romania*. In Scientific Journal of Jovan Cvijic Geography Institute of Serbian Academy, 64(2), 161–176.
4. **Moroşanu G.A.**, Velcu G., (2014), *Detection of hydrological characteristics using statistical analysis in the upper basin of Desnăţui River, Romania (1964-2011)*. In Cinq Continents, 3(9), 45-60.
5. Minea G., **Moroşanu G.A.**, (2014), *Research of water balance at hydrological micro-scale in the Aldeni experimental basin (Romania)*. In Forum Geografic, 13(2), 185-192.
6. **Moroşanu G.A.**, Velcu G., (2014), *A statistical and hydrological analysis of the maximum flow in the Terpeziţa river drainage basin*. In Risks and catastrophes, 16(1), 101 – 113.
7. **Moroşanu G.A.**, (2015), *Assessing the maximum discharge in Coşuştea hydrographic basin with GIS techniques. A comparative analysis: SCS - CN method vs. Topographic Wetness Index*. In Annals of the Valahia University, 14(2), 95 – 110.
8. **Moroşanu, G.A.**, Ben-Daoud, M., Moumen, A., Oulidi, H.J., El Mansouri, B., Essahlaoui, A., El Jaafari, S., (2015), *Les Systèmes Nationaux d'Information d'Eau dans la région sud-ouest de la mer Noire*. In International Journal of Innovation and Applied Studies, 10(4), 1350-1360.
9. **Moroşanu, G.A.**, Moumen, A., Ben-Daoud, M., (2015), *An Analysis of the Necessity and Opportunity for Creating a Common Regional Geographical Information System on Water Resources in Romania and Bulgaria*. In Universal Journal of Geoscience, 3(5), 177 – 182.
10. Minea, G., Adler.M-J., **Moroşanu, G.A.**, Neculau, G., (2015), *The relationship between flow rates and land use at plot scale in the Voineşti experimental basin (Romania)*. In Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering. 4, 88 – 94.
11. Velcu, G., **Moroşanu, G.A.**, (2016), *The dynamics of the minor riverbed of Teslui River in relation to the human factor (1910-2008) – Case study: Reşca – Fărcaşele de Jos sector*. In Annals of the University of Oradea – Geography Series, 25(2), 168-176.
12. **Moroşanu, G.A.**, (2016), *Recent dynamics (1975 - 2012) of Coşuştea River's suspended sediment load at Corcova hydrometric station*. In Proceedings of "Air and Water – components of the environment" International Conference, Cluj-Napoca, 25-27 March, 282- 289.
13. **Moroşanu, G.A.**, (2016), *Analyse de la sensibilité du modèle hydrologique GR4J à l'évapotranspiration estimée avec différentes méthodes. Etude de cas : le bassin hydrographique de la rivière Jiu*. In XXIXth International Climatology Association Colloquium "Climat et pollution de l'air", 6-9 July, Besançon, France, 475 – 480.
14. Mănoiu, V.M., Baidan, A.M., **Moroşanu, G.A.**, (2016), *Greenly's Tree of Green ideas – an informal environmental education project in the street*. In European Scientific Journal, September 2016 – Special Edition, 91-105
15. **Moroşanu, G.A.**, Donţu, S., Copăcenu, O., Gavril, V., Zaharia, F.A., Cârstea, E.M., (2016),

Evaluation of the anthropogenic impact of water quality of Dambovita River. In Proc. Water Resources and Wetlands, 91-98, Transversal Publishing House, Targoviste, ISSN: 2285-7923.

16. **Moroşanu, G.A.**, Zaharia, L., Belleudy, P., Ioana-Toroimac, G., (2017), *Methodology to identify the leading factors of rivers' electrical conductivity. Case study: Jiu catchment, Romania.* In Air and Water Components of the Environment, Cluj - Napoca, Edit. Casa Cărții de Știință, 26-33.

17. **Moroşanu G.A.**, (2017), *Forest cover changes and moisture content in the upper basin of Jiu River, Romania.* In Roberto Tognetti, Giuseppe Scarascia Mugnozza and Thomas Hofer (editors). 2017. Mountain Watersheds and Ecosystem Services: Balancing multiple demands of forest management in headwatersheds. EFI Technical Report 101. European Forest Institute - http://www.efi.int/files/attachments/publications/efi_tr_101_2017_tognetti_etal.pdf

18. **Moroşanu, G.A.**, Zaharia, L., Belleudy, P., (2019): *Applying Colorimetric and Image Analysis Methods to Identify the Coal Areas Contributing to the Hydro-Sedimentary Dynamics in Jiu River Basin.* In Proceedings of "Air and Water – components of the environment" International Conference, Cluj-Napoca.

19. **Moroşanu G.A.**, Verniers, G., Zaharia, L., (2019), *Evaluation de la qualité physique de la rivière Coşuştea par la méthode Téléos.* In Revue Roumaine, 63(1), 83-104.

Seminars

- "Assessing Environmental Effects of Changing Morphology with GIS. Case study: Morava River" workshop (10 hours). Workshop leader at the European Geosciences Students Association's Eastern Regional Congress "Geography - Witness of Time", 31 March - 4 April 2014, Masaryk University, Czech Republic
- "From Precipitation to Runoff – The Basics of Hydrological Modeling" workshop (11 h). Co-workshop leader with PhD student Nils Kaplan in the European Geosciences Students' Western Regional Congress "Power of Water", University of Graz, Austria, 29 March – 3 April 2016.
- "Exploring Hydropower and its way from rivers to people and places" (12 h). Co-workshop leader with Msc students Sophia Paul and Franziska Allerberger (Geosciences Institute of Innsbruck), in the 2nd Scientific Conference of European Geosciences Students Association, 8 – 12 August 2016, University of Aachen, Germany.
- GIS and Remote Sensing for Hydro-resources Master, University of Grenoble Alpes (18 h), March - April 2018, Grenoble.
- "Survival of the rivers: towards a more nature-oriented river management" workshop (11 h). Workshop leader at the European Geosciences Students Association's North & Baltic Regional Congress "Mistakes of the past. Experiences for the future", 23 -27 April 2018, Russian State Hydrometeorological University, Sankt Petersburg.

Memberships

1. ARLG – Romanian Association of Limno-Geography (March 2011 - present)- www.limnology.ro
2. EGEA – European Geography Association for students and young researchers (October 2010 – present) – www.egea.eu. Member of the Scientific Committee and reviewer in the scientific journal "European Geographer"
3. EGU - European Geosciences Union (Student Membership 2016-2018) - www.egu.eu
4. IGU - Commission for Water sustainability (September 2016 - present) - <https://igu-water.org/> & T16.03 Young and Early-Career Geographers Task Force (October 2016 – present)
5. SAWIS – Scientific Association for Water Information Systems (August 2014 - present) – www.sawis.org

Honours and awards during PhD thesis






- Diploma of excellence for the outstanding academic achievements during the studies at the Faculty of Geography, awarded by the rector of the University of Bucharest, Professor Mircea Dumitru, at the 150th anniversary of the University of Bucharest, 25 May 2015.
- The "EGEA Scientific Award" awarded at the Annual Conference of European Geographers, 12-16 September 2016, Melchtal, Switzerland, for the scientific work carried out in 2016 within the EGEA Association.
- Best Presentation Award at the National Conference of Water Management, 14-15 November 2017, Bucharest. for the oral communication: "Using the Colorimetric and Geochemical Techniques in the Calculation of the Contributions from the Coal to the Hydro-Sedimentary Dynamics Case study: Jiu River Basin".
- 2nd prize at the national phase of the Francophone contest for PhD students "Ma thèse en 180 secondes", Bucharest, 22 March 2018.

Gabriela Adina Morosanu

 Mother tongue(s)
 Romanian

 Foreign language(s)
 English, French, Spanish, Portuguese,
 Swedish

English
Self-assessment of language skills

UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user






Certificates and diplomas

Title	Awarding body	Date	Level*
Cambridge English Language Assessment (ESOL), Certificate in Advanced English	University of Cambridge, United Kingdom	16/06/2009	C1
Language Assessment in English	Erasmus + Online Linguistic Approach	02/10/2017	C2

Linguistic and intercultural experience






Description	Duration
Using languages for study or training: Reading and writing in Scientific English in Bachelor's, Master's and PhD levels Communicating in English during international conferences and workshops Research Internships during PhD thesis in Italy and Poland	-

French
Self-assessment of language skills

UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing






C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user
Certificates and diplomas				
Title	Awarding body	Date	Level*	
DALF - Diplôme approfondi de langue française (2015)	Institut Francais, Bucharest	16/03/2015	C1	
Linguistic and intercultural experience				
Description			Duration	
<p>Using languages for study or training: Accomplishing an internship in French language at the University of Paris 6, Pierre et Marie Curie, finished with a scientific report (June - August 2015) Currently pursuing a PhD thesis in joint coordination with the University of Grenoble Alpes, Institute of Environmental Sciences, whose manuscript will be in French PhD and master courses in Hydrology and geosciences at the University of Grenoble Alpes (2016 - 2017) Teaching experience in GIS and Teledetection (Master's level in Hydro-ressources) at the University of Grenoble Alpes (March - April 2018)</p>			-	

Spanish				
Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user
Certificates and diplomas				
Title	Awarding body	Date	Level*	
Diploma de español DELE	Instituto Cervantes, Bucharest	20/11/2015	C1	
Linguistic and intercultural experience				
Description			Duration	
<p>Using languages for study or training: Literature study in Hydrology field</p>			-	

Portuguese				
Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
B1 Independent user	B1 Independent user	A2 Basic User	A2 Basic User	B1 Independent user

Swedish				
Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user

Common European Framework of Reference for Languages - Self-assessment grid

		A1 Basic user	A2 Basic User	B1 Independent user	B2 Independent user	C1 Proficient user	C2 Proficient user
Understanding	 Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided I have some time to get familiar with the accent.
	 Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
Speaking	 Spoken interaction]	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	 Spoken production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
Writing	 Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.

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