

Curriculum Vitae

First name(s) / Surname(s)	RADOSTINA RIZOVA									
Address (business)	University of Mining and Geology "St. Ivan Rilski", Faculty of Geology and Exploration, Department of Geology and Geoinformatics, Student's Town, 1700, Sofia, Bulgaria									
Mobile (optional)	+359 885 029 838									
E-mail	r.rizova@mgu.bg									
Positions (at the moment)	Chief Assistant Professor, PhD									
Dates	2015 – present									
Occupation or position held	Chief Assistant Professor									
Name and address of employer	University of Mining and Geology "St. Ivan Rilski", Faculty of Geology and Exploration, Department of Geology and Geoinformatics, Prof. Boyan Kamenov Str. 1, 1700, Sofia, Bulgaria									
Dates	09.04.2015 – present									
Occupation or position held	Assistant Professor									
Name and address of employer	University of Mining and Geology "St. Ivan Rilski", Faculty of Geology and Exploration, Department of Geology and Geoinformatics, Prof. Boyan Kamenov Str. 1, 1700, Sofia, Bulgaria									
Dates	16.04.2013-09.04.2015									
Education and training										
Dates	2006 - 2011									
Title of qualification awarded	PhD in Geomorphology and Paleogeography									
Educational institution	Sofia University "St. Kliment Ohridski"									
Dates	1999 - 2005									
Title of qualification awarded	Master's Degree in Geomorphology									
Educational institution	Sofia University "St. Kliment Ohridski"									
Mother tongue(s)	Bulgarian									
Other language(s)	French, English									
Self-assessment										
European level (*)										
French										
English										
Professional information and applications										
Professional and Research interests (key words)	Contemporary exogenous processes and morphodynamics; flash floods and debris flows; natural hazard assessment, erosion, and slope processes; geomorphological mapping and morphometric analysis; sedimentological and grain-size analyses; geoinformation technologies and remote sensing methods for landform study.									
Taught Courses:	Bachelor's Degree: General Geology; Geomorphology and Quaternary Geology. Field Work Practices: General Geology.									
Membership in Professional Organizations:	Association of Geomorphologists in Bulgaria (Co-founder); Bulgarian Geological Society (BGS)									
Publications:	Articles, book chapters, conference proceedings, and extended abstracts in the fields of geomorphology, erosion, torrential processes, and geoinformation technologies. https://www.researchgate.net/profile/Radostina-Rizova-2 https://www.scopus.com/authid/detail.uri?authorId=57189990493									
Projects:	Appendix 1 Participant and leader in scientific and educational projects focusing on geomorphology, natural hazards, erosion and slope processes, and the application of geoinformation technologies (2015–2026). Appendix 2									
Participation in scientific sessions, conferences and congresses	- International and national scientific forums of the Bulgarian Geological Society "Geosciences". - Scientific sessions and conferences at the University of Mining and Geology "St. Ivan Rilski"									

	Scientific conferences and forums on geomorphology, natural hazards, erosion and slope processes, and geoinformation technologies – SGEM, MedGU, etc.
Other professional skills	- Geomorphological mapping and morphometric analysis - Investigation and documentation of contemporary exogenous processes. - Application of geoinformation technologies and remote sensing in studying erosion and slope processes. - Field geomorphological surveys and processing data from unmanned aerial systems (UAVs). Scientific literature review, processing, and interpretation of field and spatial data. Computer skills: MS Office, QGIS / specialized GIS software.

Appendix 1

SELECTED PUBLICATIONS

- Rizova, R., Nikolova, V. (2026). Geomorphological Investigation on Gully Erosion and Deposition in the River Mashkulova Catchment (Eastern Rhodopes, Bulgaria). In: Çiner, A., et al. Recent Research on Environmental Earth Sciences, Geomorphology, Soil Science, Paleoclimate, and Karst. MedGU 2023. Advances in Science, Technology & Innovation. Springer, Cham. https://doi.org/10.1007/978-3-032-20990-0_3
- Rizova, R., Zareva, E., Sachkov, D., 2026. The Bulgarian Danube Plain—Geomorphological Landscapes and Geological Settings. In: Nikolova, V. V., Baltakova, A. G. (eds.), *Landscapes and Landforms of Bulgaria*. World Geomorphological Landscapes. Springer, Cham, pp. 67–79. https://doi.org/10.1007/978-3-032-16815-3_5
- Rizova, R., Nikolova, V., 2026. Geomorphology of the Vitosha Mountain. In: Nikolova, V. V., Baltakova, A. G. (eds.), *Landscapes and Landforms of Bulgaria*. World Geomorphological Landscapes. Springer, Cham, pp. 125–138. DOI: 10.1007/978-3-032-16815-3_10.
- Nikolova, V., Rizova, R., Dimitrov, I., Babej, J., Dimitrov, D., Petrović, A. M. (2026). Sedimentological and Mineralogical Signature of Torrential Flow Depositional Area: A Case Study from Eastern Rhodopes, Bulgaria. *Geographies*, 6(1), 2. <https://doi.org/10.3390/geographies6010002>.
- Rizova, R., Nikolova, V. (2025). Geomorphological Investigation on Gully Erosion and Deposition in the River Mashkulova Catchment (Eastern Rhodopes, Bulgaria). In: Recent Research on Environmental Earth Sciences, Geomorphology, Soil Science, Paleoclimate, and Karst, pp. 15–21. Springer Nature. DOI: 10.1007/978-3-031-86866-5_3.
- Sachkov, D., Rizova, R., Strahilov, D. (2024). Remote sensing of slope processes in the southeastern part of the Viskyar Mountains. *Review of the Bulgarian Geological Society*, 85(3), 289–292. DOI: 10.52215/rev.bgs.2024.85.3.289.
- Rizova, R., Nikolova, V. (2024). Grain size analysis of deposits in a debris flood area – Damdere River, Eastern Rhodopes, Bulgaria. *Review of the Bulgarian Geological Society*, vol. 85, part 3, 2024, p. 285–288. <https://doi.org/10.52215/rev.bgs.2024.85.3.285>.
- Rizova, R., Sachkov, D., Sachanski, V. (2023). Modern morphodynamic processes and deposits in Western Srednogorie and Kraishte. *Review of the Bulgarian Geological Society*, 84(3), 345–348. DOI: 10.52215/rev.bgs.2023.84.3.345.
- Rizova, R., Nikolova, V. (2023). Debris flows in the watershed of the Borovitsa River, the Eastern Rhodopes. *Annual of the University of Mining and Geology “St. Ivan Rilski”*, 66/2023, 171–176. DOI: 10.5281/zenodo.8334662.
- Nikolova, V., Rizova, R., Gospodinova, V., Kamburov, A. (2023). Geomorphological and Sedimentological Indicators of Contemporary Erosion Processes: An Example of the Eastern Rhodopes Mountains (Bulgaria). *WSEAS Transactions on Environment and Development*, vol. 19, pp. 762–773. <https://doi.org/10.37394/232015.2023.19.72>.
- Dobrev, N., Ivanov, P., Baltakova, A., Rizova, R. (2023). Peculiarities of the materials involved in the debris flows in Kresna Gorge, Southwest Bulgaria. *Engineering Geology and Hydrogeology*, 37(1), 19–33. DOI: 10.52321/igh.37.1.19.
- Nikolova, V., Sachkov, D., Rizova, R. (2022). Morphometric indicators for erosion and debris flows propagation: a case study of the river Byuyukdere watershed, northwest of Kardzhali town (Bulgaria). *Review of the Bulgarian Geological Society*, 83(3), pp. 303–306. <https://doi.org/10.52215/rev.bgs.2022.83.3.303>
- Rizova, R., Sachkov, D., Angelov, G. (2022). Morphodynamics of slope processes in the Viskyar Mountain, SW Bulgaria. *Review of the Bulgarian Geological Society*, 83(3).
- Rizova, R., Nikolova, V. (2021). Geomorphological and sedimentological characteristics of debris flows in the River Buyukdere watershed (Eastern Rhodopes, Bulgaria). 21st International Multidisciplinary Scientific GeoConference SGEM 2021, pp. 43–50. DOI: 10.5593/sgem2021/1.1/s01.007.
- Nikolova, V., Kamburov, A., Rizova, R. (2021). Morphometric analysis of debris flows basins in the Eastern Rhodopes (Bulgaria) using geospatial technologies. *Natural Hazards*, 105, 159–175. <https://doi.org/10.1007/s11069-020-04301-4>.

16. Nikolova, V., Kamburov, A., Rizova, R., 2020. Modelling and assessment of debris flow erosion and deposition using geoinformation technologies. *Journal of Mining and Geological Sciences*, Vol. 63, pp. 232–237. University of Mining and Geology “St. Ivan Rilski”.
17. Rizova, R., Nachev, G., Dimitrov, I. (2018). Tectonomorphologic Characteristics of Zavalaska Mountain, SW Bulgaria. *Annual of the University of Mining and Geology “St. Ivan Rilski”*, Vol. 61/2018, p. 63.
18. Rizova, R., Nachev, G. (2015). Effect of Seismic Activity on the Gravitational Processes Through the Example of the Butrintsi Rockfall, SW Bulgaria. *Geographica Pannonica*, 19(4), 184–193. DOI: 10.5937/GeoPan1504184R.

Appendix 2

SELECTED PROJECTS

- 2023–2025. *Geomorphological Interpretation of Photogrammetric and Laser Scanning Data for the Investigation of Torrential Catchments*. National Science Fund, Ministry of Education and Science, Multilateral Research and Technology Cooperation Programme in the Danube Region – 2022. Contract No. КП-06-Дунав/5, dated 14 August 2023 (August 2023 – November 2025). Member of the research team.
- 2024 - *Monitoring of Slope Processes through Remote Sensing and Field Investigations and Modelling*. Project GPF-253/08.03.2024, University of Mining and Geology “St. Ivan Rilski”, Sofia. Member of the research team.
- 2023 - *Contemporary Morphodynamic Processes in Western Srednogie and Kraishte*. Project GPF-243/09.2023, University of Mining and Geology “St. Ivan Rilski”, Sofia. Project leader and member of the research team.
- 2022 - *Geological Control of Slope Processes in the Viskyar Mountains, Southwestern Bulgaria*. Project GPF-240/09.06.2022, University of Mining and Geology “St. Ivan Rilski”, Sofia. Project leader and member of the research team.
- 2020–2023 – *National Scientific Programme “Environmental Protection and Reduction of the Risk of Adverse Events and Natural Disasters”*. Ministry of Education and Science, Agreement No. D01-363/17.12.2020. Work Package WP.I.9, *Assessment of the Hazard of Adverse/Catastrophic Geological (including Hydrogeological) Phenomena*. Member of the research team.
- 2019–2022 – *Application of Geoinformation Technologies in the Study of Erosion in Mountainous Areas – A Case Study from the Eastern Rhodopes (Bulgaria)*. National Science Fund, Ministry of Education and Science, Fundamental Research Funding Programme – 2019. Contract No. КП-06-H34/3 dated 05.12.2019 (UMG Contract No. 2142/05.12.2019). Member of the research team.
- 2015–2017 – *Study, Mapping and Spatial Modelling of Anthropogenic Changes in the Relief Using Remote Sensing and Ground-Based Data*. National Institute of Geophysics, Geodesy and Geography, Bulgarian Academy of Sciences. Project leader: Assoc. Prof. Dr. Vanya Stamenova. Participant: Assist. Prof. Dr. Radostina Rizova.
- 2008–2010 – *Changes in Precipitation Regimes in the Lower Danube River Basin in the Context of Climate Change*. Bilateral Scientific and Technical Cooperation Programme between Bulgaria and Romania, National Science Fund, Ministry of Education and Science. Member of the research team.
- 2006 – *The Role of Hazardous Morphodynamic Processes in the Development of the Relief in the Viskyar, Lyulin and Zavalaska Mountains*. Sofia University “St. Kliment Ohridski”, University Research Fund. Project leader.