

Dr. sc. Iris Bostjančić



Inženjerski geolog

Znanstvena suradnica

Zavod za hidrogeologiju i inženjersku geologiju

Znanstveni interesi

- Inženjerska geologija
- Geohazardi
- Pokreti masa na padinama
- Daljinska istraživanja
- Statističke analize

Biografija

- 2023 – danas : znanstvena suradnica, Hrvatski geološki institut
- 2016 – 2023 : stručna suradnica Hrvatski geološki institut
- 2009 – 2016 : znanstvena novakinja, Hrvatski geološki institut
- 2006 – 2009 : stručna suradnica, Agencija za zaštitu okoliša
- 2010 – 2016 : Poslijediplomski doktorski studij, smjer: Geološko inženjerstvo, Sveučilište u Zagrebu, Rudarsko-geološko-naftni fakultet
- 1998 – 2006 : Diplomski studij, smjer: Hidrogeologija i inženjerska geologija, Sveučilište u Zagrebu, Rudarsko-geološko-naftni fakultet

Vještine

- Kabinetski rad: stručni elaborati, analiza podataka, priprema EU projektnih prijedloga, administracija EU projekata
- Terenski rad: IG kartiranje, kartiranje klizišta, rad na visini
- MC Office; ESRI ArcGIS; Affinity Photo; Affinity Designer; SAS® University Edition (SAS Institute Inc.)
- Aktivno korištenje engleskog jezika
- Vozačka dozvola: B kategorija (2003)
- Voditeljica brodice: A kategorija (2020)

Projekti i suradnje

- Dinamika ogolina Istre: od uzorka do sliva (DONA) – Interni istraživački projekt, NextGenerationEU (2024-danas)
- A cross-border approach to improve landslide risk assessment using LiDAR-based landslide inventory (LADY) - Interreg IPA Croatia-Bosnia and Herzegovina-Montenegro (2024-danas)
- Development and testing of a shared, AI-based predictive model for a coordinated use of big data and for a joint Monitoring System of landslides risk in the Adriatic-Ionian region (AIMS) – Interreg IPA Adrion (2024-danas)
- Response to landslide and flash flood risk with Early Warning System design (RESPONSa) - Interreg IPA CBC Croatia-Bosnia and Herzegovina-Montenegro (2020-2023)
- Strengthening research in the Croatian Geological Survey: Geoscience-Twinning to develop state-of-the-art subsurface modelling capability and scientific impact (GeoTwinn) - H2020-WIDESPREAD-05-2017-Twinning (2018-2021)
- Transnational advanced management of land use risk through landslide susceptibility maps design (safEarth) - Interreg IPA CBC Croatia-Bosnia and Herzegovina-Montenegro (2017-2019)

Članstva

- Hrvatsko geološko društvo (HGD)
- Hrvatsko geotehničko društvo (HGD)
- International Association for Engineering Geology and the Environment (IAEG)
- International Society for Rock Mechanics (ISRM)

Bibliografija

- Crosbi
(<https://www.croris.hr/osobe/profil/29512>)
- Google Scholar
(<https://scholar.google.com/citations?user=8oxExAEAAAAJ&hl=hr&oi=a>
o)

Najznačajniji radovi (5-10 radova)

Bostjančić, I., Gulam, V., Pollak, D., Frangen, T. (2025): Comparative Analysis of Slope and Relief Energy for Small-Scale Landslide Susceptibility Mapping: Insights from Croatia. Remote Sensing, 17 (13), 2142. doi: 10.3390/rs17132142

Filipović, M., Bostjančić, I., Gulam, V., Markotić, I. (2025): A comprehensive dataset of landslide inventory in Pannonian Croatia: Archived and reported data. Data in brief, 61, 111740-x. doi: 10.1016/j.dib.2025.111740

Gulam, V., Pollak, D., Bostjančić, I., Frangen, T. (2025): Defining the geological units susceptible to landslides in Pannonian Croatia using energy

relief index. Bulletin of engineering geology and the environment, 84, 175.
doi: 10.1007/s10064-025-04186-2

Bostjančić, I., Gulam, V., Frangen, T., Hećej, N. (2024): Relation between relief and Badland spatial distribution in the Paleogene Pazin Basin, Croatia. Journal of Maps, 19/1; 2163196. doi: 10.1080/17445647.2022.2163196

Bostjančić, I., Avanić, R., Frangen, T., Pavić, M. (2022): Spatial distribution and geometrical characteristics of landslides with special reference to geological units in the area of Slavonski Brod, Croatia. Geologia Croatica, 75/1; 3-16. doi: 10.4154/gc.2022.03

Bostjančić, I., Filipović, M., Gulam, V., Pollak, D. (2021): Regional-Scale Landslide Susceptibility Mapping Using Limited LiDAR-Based Landslide Inventories for Sisak-Moslavina County, Croatia. Sustainability, 13, 4543. doi: 10.3390/su13084543

Bostjančić, I., Pollak, D. (2020): Rockfall threat assessment along railways in carbonate rocks in Croatia. Bulletin of engineering geology and the environment, 79, 3921-3942. doi: 10.1007/s10064-020-01822-x