

Dr. sc. Marina Filipović



Hidrogeolog i inženjerski geolog

Viša asistentica

Zavod za hidrogeologiju i inženjersku geologiju

Znanstveni interesi

- Hidrogeologija krša
- Izotopi
- Geohazardi
- Pokreti masa na padinama
- Daljinska istraživanja

Biografija

- 2023 – danas : viša asistentica, Hrvatski geološki institut
- 2015 – 2023 : stručna suradnica, Hrvatski geološki institut
- 2012 – 2014 : stručna suradnica, Geodata S.p.A
- 2011 – 2012 : stručna suradnica, M.P.V. do.o.o
- 2014 – 2023 : Poslijediplomski doktorski studij, smjer: Geološko inženjerstvo, Sveučilište u Zagrebu, Rudarsko-geološko-naftni fakultet
- 2004 – 2011 : 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: hidrogeokemijsko uzorkovanje i obrada podataka, inženjersko geološko kartiranje, kartiranje klizišta
- MC Office; ESRI ArcGIS; QGIS, Affinity Photo; Affinity Designer, Adobe Photoshop, Adobe Illustrator; Adobe InDesign, AutoCAD, RocFall 4.0, Dips, Slide, Phase (RocScience Inc.)
- Aktivno korištenje engleskog jezika
- Vozačka dozvola: B kategorija (2003)

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)
- Tajnica hrvatskog odsjeka Međunarodnog udruženja hidrogeologa (International Association of Hydrogeologists – IAH) (2024-danas)
- Urednica Godišnjeg izvješća Hrvatskog geološkog instituta (2023-danas)
- Board for detection and assessment of pharmaceutical drug residues in drinking water – capacity building for water management in CE (boDEREC-CE) – Interreg Central Europe 2014-2020 (2019-2022)
- Developing an integrated implementation framework for Managed Aquifer Recharge solutions to facilitate the protection of Central European water resources endangered by climate change and user conflict in CE (Deepwater-CE) – Interreg Central Europe 2014-2020 (2019-2022)
- Transnational advanced management of land use risk through landslide susceptibility maps design (safEarth) – Interreg IPA CBC Croatia-Bosnia and Herzegovina-Montenegro (2017-2019)
- Efficient Practices of Land Use Management Integrating Water Resources Protection and Non-structural Flood Mitigation, Experiences capacities for the protection and sustainable use of natural heritage and resources (PROLINE-CE) – Interreg Central Europe 2014-2020 (2016-2019)
- Networking for Drinking Water Supply in Adriatic Region (DRINKADRIA), Adriatic IPA Cross Border Cooperation 2007-2013 (2015-2016)
- Chenani Nashri projekt (Indija i Italija) – 9 km dug Glavni Tunel (140m² površine presjeka) i pomoćni tunel (35m² površine presjeka) , NATM metodologija iskopa, 2 pristupne ceste s obje strane tunela po 1km dužine te dva mosta dužine 45 m, vrijednost projekta 500 mil \$ (2012-2014)
- Tunel Vijenac (Bosna i Hercegovina) – 2.9 km dug dvostruki cestovni tunel, površine presjeka 90 m², NATM metodologija iskopa, vrijednost projekta 65 mil € (2011-2012)
- Tunel Šubir (Hrvatska) – 1 km dug dvostruki cestovni tunel, površine presjeka 90 m², NATM metodologija iskopa, vrijednost projekta 15 mil € (2011-2012)

Članstva

- Hrvatsko geološko društvo (HGD)
- International Association of Hydrogeologists (IAH)

Bibliografija

- [CroRIS](#)
- [Google Scholar](#)

Najznačajniji radovi (5-10 radova)

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

Filipović, M., Terzić, J., Lukač Reberski, J., Vlahović, I. (2024): Dataset on hydrogeochemical characteristics of spring and surface waters in the complex karst catchment area of Southern Dalmatia (Croatia) and Western Herzegovina (Bosnia and Herzegovina). *Data in brief*, 57, 111173, 15. doi: 10.1016/j.dib.2024.111173

Filipović, M., Terzić, J., Lukač Reberski, J., Vlahović, I. (2024): Utilizing a multi-tracer method to investigate sulphate contamination: Novel insights on hydrogeochemical characteristics of groundwater in intricate karst systems. *Groundwater for sustainable development*, 27, 101350, 16. doi: 10.1016/j.gsd.2024.101350

Filipović, M., Frangen, T., Terzić, J., Lukač Reberski, J. (2023): Hydrogeology of a complex karst catchment in Southern Dalmatia (Croatia) and Western Herzegovina (Bosnia and Herzegovina). *Journal of Maps*, 18, 1; 1-12. doi: 10.1080/17445647.2022.2112775

Filipović, M., Mišur, I., Gulam, V., Horvat, M. (2022): A case study in the research polygon in Glina and Dvor municipality, Croatia—landslide susceptibility assessment of geological units. *Geologia Croatica*, 75, 1; 17-33. doi: 10.4154/gc.2022.04

Gulam, V., Bostjančić, I., Hećej, N., Filipović, M., Filjak, R. (2022): Preliminary analysis of a LiDAR-based landslide inventory in the area of Samobor, Croatia. *Geologia Croatica*, 75, 1; 51-66. doi: 10.4154/gc.2022.12

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