

Dr. sc. Maja Briški



Hidrogeolog

Znanstveni suradnik

Zavod za hidrogeologiju i inženjersku geologiju

Znanstveni interesi

- Hidrokemijska istraživanja
- Hidrogeološka istraživanja
- Geofizička istraživanja električnom tomografijom

Biografija

- 2021 – danas : Znanstveni suradnik, Hrvatski geološki institut
- 2021 : viši stručni savjetnik na projektu, Hrvatski geološki institut
- 2015 – 2020 : Postdoktorand, Hrvatski geološki institut
- 2009 –2015 : Znanstveni novak, Hrvatski geološki institut
- 2010 –2015 : Doktorski studij geologije, Doktorska disertacija, Sveučilište u Zagrebu, RGNF
- 2003 –2009 : Diplomski studij geologije, Diplomirani inženjer geologije, Sveučilište u Zagrebu, RGNF

Vještine

- Analize sadržaja stabilnih izotopa kisika i vodika u vodi (Picarro)
- Analize osnovnih aniona i kationa u vodi, TOC
- Uzorkovanje i terenska mjerenja podzemnih i površinskih voda
- Terenska geofizička mjerenja (ERT) i obrada podataka (Res2DInv)
- Modeliranje toka podzemnih voda

- Računalni programi (RES2DINV, Chromeleon, Microsoft Office paket, VisualModflow, ArcGis, Surfer, CorelDraw)
- Aktivno korišćenje Engleskog jezika

Projekti i suradnje

- Suradnica na uspostavnom istraživačkom projektu Hrvatske zaklade za znanost - UNLOCK-CAVE (Unlocking high-resolution palaeoclimate variability from Nova Grigorska cave multi-proxy speleothem record).
- Suradnica na uspostavnom istraživačkom projektu Hrvatske zaklade za znanost HyTheC (Multidisciplinarni pristup izradi konceptualnih modela hidrotermalnih sustava).
- Suradnica na projektu Horizon 2020 - GeoTwin (Strengthening research in the Croatian Geological Survey: Geoscience-Twinning to develop state-of-the-art subsurface modelling capability and scientific impact). Implementation of gained methods and techniques – WP2.
- Suradnica na GeoERA Resource projektu (GeoERA program zajedničkih projekata europskih geoloških službi/instituta).
- Suradnica na više INTERREG projekata: MicroDrink, MUHA, DEEPWATER-CE, boDEREC-CE, PROLINE-CE, CAMARO-D.
- Suradnica na nekoliko internih istraživačkih projekata praćenih od strane Ministarstva znanosti i obrazovanja Republike Hrvatske: GRGA, SIS-VIS, NONa.
- Suradnica na projektu GEOLAB (obnova infrastrukture i nabava instrumenata u hrvatskom geološkom institutu – geoznanstveni laboratoriji)

Nagrade

Odbori i komisije

Članstva

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

Bibliografija

- [Maja Briški Crosbi \(https://www.croris.hr/osobe/profil/29510\)](https://www.croris.hr/osobe/profil/29510)
- [Maja Briški Google Scholar \(https://scholar.google.hr/citations?user=Pm9LnpQAAAAJ&hl=en\)](https://scholar.google.hr/citations?user=Pm9LnpQAAAAJ&hl=en)

Najznačajniji radovi (5-10 radova)

Bajo P., Briški M., Benutić A., Piplica A., Brčić V., Marcioš B., Palatinuš I., Stroj A. Seasonality in cave dripwater and air properties – implications for speleothem palaeoclimatology, Nova Grgosova Cave (Croatia) (2024) *Geologia Croatica*, 77 (3), pp. 243 – 251. DOI: 10.4154/gc.2024.16

Pavić M., Briški M., Pola M., Borović S. Hydrogeochemical and environmental isotope study of Topusko thermal waters, Croatia (2024) *Environmental Geochemistry and Health*, 46 (4), art. no. 133. DOI: 10.1007/s10653-024-01904-9

Patekar M., Briški M., Terzić J., Nakić Z., Borović S. Cumulative effects of natural and anthropogenic processes on groundwater chemistry of a small karst island—case study of Vis (Croatia) (2024) *Applied Water Science*, 14 (10), art. no. 214. DOI: 10.1007/s13201-024-02278-0

Selak A., Lukač Reberski J., Briški M., Selak L. Hydrochemical characterization of a Dinaric karst catchment in relation to emerging organic contaminants (2024) *Geologia Croatica*, 77 (2), pp. 145 – 158. DOI: 10.4154/gc.2024.10

Boljat I., Terzić J., Duić Ž., Reberski J.L., Selak A., Briški M. Tracing Hydrological Processes: Insights from Hydrochemical and Isotopic Investigations in the Northern Part of Croatian Dinaric Karst (2024) *Geologia Croatica*, 77 (2), pp. 127 – 144. DOI: 10.4154/gc.2024.09

Stroj A., Briški M., Lukač Reberski J., Frangen T. Regional Analysis of Tracer Tests in the Karstic Basin of the Gacka River (Croatian Dinaric Karst) (2023) *Hydrology*, 10 (5), art. no. 106. DOI: 10.3390/hydrology10050106

Kosović I., Briški M., Pavić M., Padovan B., Pavičić I., Matoš B., Pola M., Borović S. Reconstruction of Fault Architecture in the Natural Thermal Spring Area of Daruvar Hydrothermal System Using Surface Geophysical Investigations (Croatia) (2023) *Sustainability (Switzerland)*, 15 (16), art. no. 12134. DOI: 10.3390/su151612134

Pavić M., Kosović I., Pola M., Urumović K., Briški M., Borović S. Multidisciplinary Research of Thermal Springs Area in Topusko (Croatia) (2023) *Sustainability (Switzerland)*, 15 (6), art. no. 5498. DOI: 10.3390/su15065498

Larva O., Brkić Ž., Briški M., Seidenfaden I.K., Koch J., Stisen S., Refsgaard J.C. An ensemble approach for predicting future groundwater levels in the Zagreb aquifer impacted by both local recharge and upstream river flow

(2022) Journal of Hydrology, 613, art. no. 128433. DOI: 10.1016/j.jhydrol.2022.128433

Stroj A., Briški M., Oštrić M. Study of groundwater flow properties in a karst system by coupled analysis of diverse environmental tracers and discharge dynamics (2020) Water (Switzerland), 12 (9), art. no. 2442. DOI: 10.3390/w12092442

Briški, Maja; Stroj, Andrej; Kosović, Ivan; Borović, Staša
Characterization of Aquifers in Metamorphic Rocks by Combined Use of Electrical Resistivity Tomography and Monitoring of Spring Hydrodynamics. Geosciences, 10 (2020), 4; 137, 18. doi:10.3390/geosciences10040137

Stroj, Andrej; Briški, Maja; Oštrić, Maja
Study of Groundwater Flow Properties in a Karst System by Coupled Analysis of Diverse Environmental Tracers and Discharge Dynamics. Water, 12 (2020), 9; 2442, 20. doi:10.3390/w12092442