

CURRICULUM VITAE

Name and surname: Ivan Lovrinović

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WORK EXPERIENCE

- 2023.- Postdoctoral researcher
University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Hydromechanics and Hydraulics
- 2016.- 2023. Research and Teaching Assistant
University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Hydromechanics and Hydraulics
- 2011.- 2016. Project Manager Assistant
TUB d.o.o., Split

EDUCATION

- 2016.- 2022. PhD in Civil Engineering
University of Split, Faculty of Civil Engineering, Architecture and Geodesy
- 2009.-2011. Master of Civil Engineering
University of Split, Faculty of Civil Engineering, Architecture and Geodesy
- 2006.-2009. Bachelor of Civil Engineering
University of Split, Faculty of Civil Engineering, Architecture and Geodesy

SCIENTIFIC/ EU PROJECTS

„Monitoring Sea-water intrusion in coastal aquifers and Testing pilot projects for its mitigation“ CBC Interreg Italy-Croatia 2014.-2020.; 1.1.2019.-30.6.2022, Researcher

„Saltwater intrusion and climate change: monitoring, countermeasures and informed governance“ CBC Interreg Italy-Croatia 2014.-2020.; 1.5.2021.-30.6.2023, Researcher

„Monitoring of seawater intrusion parameters in the river Neretva valley” 2019.-2023.
Financed by Croatian Waters, Researcher

DIGITAL SKILLS:

Python, Matlab, Aquaveo SMS, Aquaveo GMS, Epanet, QGIS, AutoCAD

JOB RELATED SKILLS:

Multiple studies of wind-wave conditions and wave transformation, Engineer
Multiple projects design for rainwater and wastewater management and water supply.

PUBLICATIONS

Srzić, V., **Lovrinović, I.**, Racetin, I., Pletikosić F., Hydrogeological Characterization of Coastal Aquifer on the Basis of Observed Sea Level and Groundwater Level Fluctuations: Neretva Valley Aquifer, Croatia. *Water*, 2020, 12, 348. <https://doi.org/10.3390/w12020348>

Lovrinović, I., Bergamasco, A., Srzić, V., Cavallina, C., Holjević, D., Donnici, S., Erceg, J., Zaggia, L., Tosi, L., Groundwater Monitoring Systems to Understand Sea Water Intrusion Dynamics in the Mediterranean: The Neretva Valley and the Southern Venice Coastal Aquifers Case Studies. *Water* 2021, 13, 561. <https://doi.org/10.3390/w13040561>

Lovrinović, I., Srzić, V., Matić, I., Brkić, M., Combined Multilevel Monitoring and Wavelet Transform Analysis Approach for the Inspection of Ground and Surface Water Dynamics in Shallow Coastal Aquifer. *Water* 2022, 14, 656. <https://doi.org/10.3390/w14040656>

Nikolić Ž., Srzić V., **Lovrinović I.**, Perković T., Šolić, P., Kekez T., Coastal Flooding Assessment Induced by Barometric Pressure, Wind-Generated Waves and Tidal-Induced Oscillations: Kaštela Bay Real-Time Early Warning System Mobile Application. *Appl. Sci.* 2022, 12, 12776. <https://doi.org/10.3390/app122412776>

Lovrinović I., Srzić V., Matić I., Characterization of seawater intrusion dynamics under the influence of hydro-meteorological conditions, tidal oscillations and melioration system operative regimes to groundwater in Neretva valley coastal aquifer system, *Journal of hydrology, Regional studies*, 2023, 46, 101363, 26, doi: 10.1016/j.ejrh.2023.101363

CONFERENCES

Lovrinović I., Srzić V., Vranješ M., Milin M., Application of tidal methods to river Neretva Valley Aquifer: From conceptual model to aquifer parameters, EGU – European Geoscience Union General Assembly, Wien, Austria, 07.-12.04.2019.; <https://meetingorganizer.copernicus.org/EGU2019/EGU2019-18924.pdf>

Lovrinović I., Srzić V., Vranješ M., Džaja M., Coastal aquifer characteristics determination based on in-situ observations: river Neretva Valley Aquifer; European Water Resources Association (EWRA) General Assembly, Madrid, Spain, 25.-29.06.2019.; http://ewra.net/pages/EWRA2019_Proceedings.pdf

Srzić V., **Lovrinović I.**, Krnić P., Zou L., Divić V., Vranješ K., Matić I., Modelling seawater intrusion in coastal aquifers under laboratory conditions, AGU – American Geoscience Union

(online conference), 1.-17.12.2020.,

<https://agu.confex.com/agu/fm20/meetingapp.cgi/Paper/724347>

Lovrinović I., Srzić V., Matić I., Krnić P., Multi component analysis of processes controlling seawater intrusion dynamics in Neretva delta area, AGU – American Geoscience Union (online conference), 1.-17.12.2020.,

<https://agu.confex.com/agu/fm20/meetingapp.cgi/Paper/723863>

Lovrinović I., Srzić V., Matić I., Local Peculiarities in the Dynamic Behaviour of the Salinity Regime in the Neretva Valley, Croatia, AGU – American Geoscience Union, 12.-17.12.2021.,

<https://agu.confex.com/agu/fm21/meetingapp.cgi/Paper/828052>

Srzić V., Grčić V., Pletikosić F., Matić I., **Lovrinović I.**, Laboratory and Numerical Modeling of Sea Water Intrusion and Retreat in Coastal Systems, AGU – American Geoscience Union, 12.-17.12.2021., <https://agu.confex.com/agu/fm21/meetingapp.cgi/Paper/822330>

Matić I., Srzić V., **Lovrinović I.**, Modelling Seawater Intrusion Dynamics into River Neretva Coastal Aquifer, AGU – American Geoscience Union, 12.-17.12.2021.,

<https://agu.confex.com/agu/fm21/meetingapp.cgi/Paper/822512>

Srzić V., Matić I., Racetin, I., **Lovrinović I.**, River Neretva coastal aquifer system perspectives under the climate changes impact and mitigation measures implementation: modeling and vulnerability assessment, AGU – American Geoscience Union, 10.-16.12.2022.,

<https://agu.confex.com/agu/fm22/meetingapp.cgi/Paper/1184853>

Lovrinović I., Aljinović I., Srzić V., Evaluation of surface and groundwater quality and identification of saltwater sources by hydrogeochemical analysis in river Neretva coastal aquifer system, EGU – European Geoscience Union General Assembly, Wien, Austria, 23.-28.04.2023.

Srzić V., **Lovrinović I.**, Aljinović I., Hidrogeološka karakterizacija vodonosnika pod tlakom u području Opuzen ušće, Croatian water conference (8.), Poreč, Croatia, 23.-25.11.2023.