



Veljko Srzić

Official : Matice hrvatske 15, 21000, Split, Hrvatska

E-mail: veljko.srzic@gradst.hr **Phone**: (+385) 981906338

Birth: 16/02/1984 **Nationality**: Croat

EDUCATION AND PROFESSIONAL DEVELOPMENT

[01/05/2016 - 25/05/2016] **Parallel procesing**

Oak Ridge National laboratory

Location: Tennessee | **State**: USA |

Link: <https://www.ornl.gov/>

[01/10/2011 - 05/11/2013] **PhD degree**

KTH - Royal Institute of Technology <https://www.kth.se/en>

Location: Stockholm | **State**: Sweden

[01/10/2008 - 05/11/2013] **PhD degree**

Faculty of Civil Engineering, Architecture and Geodesy, University of Split

Address: Matice hrvatske 15, 21000, Split, Hrvatska |

[01/10/2002 - 27/10/2005] **Master of Civil Engineering**

Faculty of Civil Engineering, Architecture and Geodesy, University of Split

Address: Matice hrvatske 15, 21000, Split, Hrvatska | |

WORK EXPERIENCE

[01/04/2022 - Present]

Associate professor

Faculty of Civil Engineering, Architecture and Geodesy

Location: Split | **State**: Croatia

Conducting classes:

- University undergraduate study of Civil Engineering (FGAG);
- University undergraduate study Architecture and Urbanism (FGAG);
- university graduate study in Civil Engineering (FGAG);

Preparation, implementation and management of projects:

- scientific research;
- international competitive;
- projects in cooperation with the economy;
- studies, expertise and professional projects;
- preparation of documentation for patent applications

[01/02/2015 - 31/03/2022] **Assistant professor**

Faculty of Civil Engineering, Architecture and Geodesy

Location: Split | **State**: Croatia

Conducting classes:

- University undergraduate study of Civil Engineering (FGAG);
- University undergraduate study Architecture and Urbanism (FGAG);
- university graduate study in Civil Engineering (FGAG).

Preparation, implementation and management of projects:

- scientific – research;
- international competitive;
- projects in cooperation with the economy;
- studies, expertise and professional projects.

[01/04/2016 – 30/09/2018]

Vice dean for studies

Faculty of Civil Engineering, Architecture and Geodesy

- **Location:** Split | **State:** Croatia
- planning of study programs, implementation and management of study programs;
- financial management of study programs;
- planning enrollment quotas;
- monitoring of success in study programs;
- improvement of learning outcomes;
- preparation of the reaccreditation procedure;

[01/10/2015 – 30/09/2016]

Head of the department

Faculty of Civil Engineering, Architecture and Geodesy

Location: Split | **State:** Hrvatska

- Lectures organization and management;
- Coordination of departments lecture load;

[06/11/2013 – 31/01/2015]

Postdoc

Faculty of Civil Engineering, Architecture and Geodesy

Location: Split | **State:** Hrvatska

[01/10/2011 – 05/11/2013]

Doctoral student

KTH - Royal Institute of Technology <https://www.kth.se/en>

Location: Stockholm | **State:** Švedska

[01/12/2007 – 05/11/2013]

Doctoral student

- Faculty of Civil Engineering, Architecture and Geodesy
- **Location:** Split | **State:** Hrvatska

LANGUAGE SKILLS

Native speaker: Croatian

Foreign languages:

English

LISTENING C1 **READING** C2 **WRITING** C1

German

LISTENING B2 READING B2 WRITING B2

DIGITAL COMPETENCES

MS Office (Word Excel PowerPoint) | Windows | Communication tools (Skype Zoom TeamViewer) | Python, C#, Fortran | | Aquaveo SMS | GMS – Groundwater Modeling System | COMSOL

ORGANISATIONAL SKILLS

Organisational and managing skills

- leading and managing projects;
 - follow-up implementation of project activities;
 - coordination of project activities at the project level;
 - coordination with the project team and the project consortium;
 - managing the project team;
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- management and management of SMEs.

PROJECTS

[01/09/2024 – Present]

Improving Coastal Areas Resilience to Climate Change Impacts and setting up Guidelines for Sustainable Beach Stabilization and Management - ClimBeach

- Cross Border Collaboration program Interreg Croatia – BiH– Montenegro 2021–2027;
- –RSO2.4: Promoting climate change adaptation and disaster risk prevention, resilience, taking into account eco –system based approaches
- project manager
- project budget EUR 1,785,195.50

[01/09/2024 – Present]

Monitoring interaction between the ground and surface Water to improve the sustainable agricultural resilience to climate changes impact in coastal systems- MoWaClim

- Cross Border Collaboration program Interreg Croatia – BiH– Montenegro 2021–2027;
- –RSO2.4: Promoting climate change adaptation and disaster risk prevention, resilience, taking into account eco –system based approaches
- PP2 lead representative
- project budget EUR 1,514,937,40

[01/04/2024 – Present]

Subsurface WATER monitoring and Management to prevent drought risk in coastal systems - SWAMrisk

- Cross Border Collaboration program Interreg Italy Croatia 2021–2027;
- UNIST–FGAG, Veneto Region, M3E srl, DUNEA, Hrvatske vode, Aequum Ltd, Adige Euganeo, CNR–IGG;
- project manager and project manager in front of the consortium;
- project management and leadership, coordination of project activities within the project team, coordination with partner institutions, risk assessment, monitoring the execution of activities,
- reporting to program authorities;
- project budget EUR 2,194,420.00

[01/01/2019 – 31/12/2023]

Monitoring soil and water salinization along the Neretva delta for the period 2019.-2023.

- National project, source of funding for Croatian Water;

- Management and management of the project, planning and implementation of project obligations, preparation of reports, financial monitoring of project implementation;
- Project manager in front of UNIST-FGAG
- project budget: HRK 2,500,000.00.

[01/11/2020 - 30/09/2023]

PINNA NOBILIS SSMA-19

- Invitation to increase the development of new products and services resulting from research and development activities – phase II;
- Call reference number: KK.01.2.1.02.;
- Contract number: KK.01.2.1. 02.0176.;
- Project manager in front of UNIST-FGAG;
- Management and management of the project in front of UNIST-FGAG, coordination of the implementation of project activities, preparation of work plans, ensuring the achievement of project goals, implementation of the patent application procedure, reporting, coordination and management of the project team;
- project budget EUR 459,388.31;

[01/05/2022 - 30/06/2023]

Saltwater intrusion and climate change: monitoring, countermeasures and informed governance – SeCure

- Cross-border cooperation program Interreg Italy Croatia 2014–2020;
- Priority axis 2 – Security and resilience;
- University of Padua, CNR, Veneto Region, UNIST-FGAG, DUNEA, Hrvatske vode, Public Institution for Management of Protected Nature Areas DNŽ;
- project manager in front of HR partner UNIST-FGAG;
- project management and leadership, coordination of project activities within the project team, coordination with the leading partner, planning of procurement procedures, preparation of project tasks, monitoring of execution activities, reporting to program bodies;
- project budget EUR 599,675.00;

[01/06/2020 - 01/06/2023]

VODIME – Vode Imotske krajine

- Reference number of the grant award contract: KK.05.1.1.02.0024;
- Grants from the European Fund for Regional Development (Operational Program Competitiveness and Cohesion 2014–2020) amount to HRK 2,829,396.42;
- The Environmental Protection and Energy Efficiency Fund co-finances HRK 414,431.19, based on the Cooperation Agreement between the Fund and the Ministry of Environmental Protection and Energy Efficiency;
- project collaborator: hydrogeological characterization, planning, coordination and implementation of activities within the work package.

[01/01/2019 - 30/06/2022]

Monitoring Sea-water intrusion in coastal aquifers and Testing pilot projects for its mitigation - MoST

- Cross-border cooperation program Interreg Italy Croatia 2014–2020;
- Priority axis 2 – Security and resilience;
- University of Padua, CNR, Adige Euganeo, Veneto Region, UNIST-FGAG, DUNEA, Hrvatske vode;
- manager of project activities in front of HR partner UNIST-FGAG;
- project management and leadership, coordination of project activities within the project team, coordination with the leading partner, planning of procurement procedures, preparation of project tasks, monitoring of execution of activities, reporting to program authorities;
- project budget EUR 2,598,608.61;

[01/01/2014 - 31/12/2018]

Monitoring soil and water salinization along the Neretva delta for the period 2014.-2018.

- National project, source of funding for Croatian Water;
- Project manager in front of UNIST-FGAG (community of bidders);
- Management and management of the project, planning and implementation of project obligations, preparation of reports, financial monitoring of project implementation;
- project budget: HRK 2,500,000.00.

[01/12/2007 - Present]

Design projects and studies

Idea design level: more than 20

Main design level: more than 30

Detailed design: less than 10

Studies: more than 20

Elaboration: more than 40

Environmental impact assessment: more than 5

Environmental protection elaborates: more than 10

PUBLICATIONS

Impact of aquifer heterogeneity structure and local-scale dispersion on solute concentration uncertainty

V Srzic, V Cvetkovic, R Andricevic, H Gotovac

Water resources research 49 (6), 3712–3728

Groundwater monitoring systems to understand sea water intrusion dynamics in the Mediterranean: The Neretva valley and the southern Venice coastal aquifers case studies

I Lovrinović, A Bergamasco, V Srzić, C Cavallina, D Holjević, S Donnici, ...

Water 13 (4), 561

Hydrogeological characterization of coastal aquifer on the basis of observed sea level and groundwater level fluctuations: Neretva valley Aquifer, Croatia

V Srzić, I Lovrinović, I Racetin, F Pletikosić

Water 12 (2), 348.

Characterization of short-term salinity fluctuations in the Neretva River Delta situated in the southern Adriatic Croatia using Landsat-5 TM

I Racetin, A Krtalic, V Srzic, M Zovko

Ecological Indicators 110, 105924

Risk characterization for toxic chemicals transported in aquifers

R Andricevic, V Srzic, H Gotovac

Advances in water resources 36, 86–97

Concentration statistics of solute transport for the near field zone of an estuary

M Galesic, R Andricevic, H Gotovac, V Srzic

Advances in water resources 94, 424–440

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

I Lovrinović, V Srzić, I Aljinović

Journal of Hydrology: Regional Studies 46, 101363

Coastal Flooding Assessment Induced by Barometric Pressure, Wind-Generated Waves and Tidal-Induced Oscillations: Kaštela Bay Real-Time Early Warning System Mobile Application

Ž Nikolić, V Srzić, I Lovrinović, T Perković, P Šolić, T Kekez

Applied Sciences 12 (24), 12776

Combined multilevel monitoring and wavelet transform analysis approach for the inspection of ground and surface water dynamics in shallow coastal aquifer

I Lovrinović, V Srzić, I Matić, M Brkić

Water 14 (4), 656

Collapse of higher-order solute concentration moments in groundwater transport

V Srzic, R Andricevic, H Gotovac, V Cvetkovic

Water resources research 49 (8), 4751–4764

Modeling of seawater intrusion into coastal aquifers in laboratory conditions

M Brkić, V Srzić

e-Zbornik: Electronic Collection of Papers of the Faculty of Civil Engineering

Multi component analysis of processes controlling seawater intrusion dynamics in Neretva delta area

I Lovrinovic, V Srzic, I Matic, P Krnic

AGU Fall Meeting Abstracts 2020, H033-0014

Coastal aquifer characteristics determination based on in-situ observations: River Neretva Valley Aquifer

I Lovrinovic, V Srzic, M Vranjes, M Dzaja

11th World Congress on Water Resources and Environment: Managing Water ...

Evaluation of surface and groundwater quality and identification of saltwater sources by hydrogeochemical analysis in river Neretva coastal aquifer system

I Lovrinovic, I Aljinovic, V Srzic

EGU General Assembly Conference Abstracts, EGU-11976