

PERSONAL INFORMATION

Toni Kekez +38521303356 toni.kekez@gradst.hr

WORK EXPERIENCE

2022 - **Assistant professor**

University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Hydromechanics and Hydraulics

2021 - 2022 **Postdoctoral researcher**

University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Water Resources

2018 - 2021 **Senior research associate**

University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Water Resources

2015 - 2018 **PhD student**

University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Construction Management and Economics

2012 - 2015 **Research associate**

University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Water Management and Water Protection

EDUCATION

2015 - 2021 **PhD in Civil Engineering**

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

EQ8

2010 - 2012 **Master of Civil Engineering**

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

EQ7

2006 - 2010 **Bachelor of Civil Engineering**

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

- Civil Engineering

EQ6

TRAINING

May 2024 **International Training Course on Karst and Climate Change**

International Research Centre on Karst under the auspices of UNESCO
Institute of Karst Geology, Chinese Academy of Geological Sciences

February – June 2017 **PhD study visit**

University of Natural Resources and Life Sciences BOKU, Vienna, Austria

- Working in research group of prof. emer. Hans-Peter Nachtnebel

June 2016 **Short Course**

Short Course "System Dynamics Modelling for Disaster Management Applications", University of Belgrade, Faculty of Security Studies

- Supervised by prof. Slobodan Simonović, The University of Western Ontario, Canada

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
OLS certificate					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Job-related skills**
- Key expert and consultant in different projects with the industry in the area of water resources and environmental engineering (list available on demand).
 - Consultant for Croatian Ministry of Economy and Sustainable Development and Ministry of Physical Planning, Construction and State Assets.
- Computer skills**
- Microsoft Office
 - Autocad
 - Wolfram Mathematica
 - Matlab/Simulink
 - Hec-Ras
 - Surface-water Modelling System (SMS)
 - Palisade Decision Tools
 - Stella
 - QGIS
 - Promethee
- Other**
- Chairman – Aequum Ltd.
 - Chairman – Water polo Club “Zvončac” - Split, Croatia
 - Chairman – NGO PIO
- Driving licence**
- B

ADDITIONAL INFORMATION

- Publications**
- Kekez, T., Andričević, R., Knezić, S. **Flood Risk Modeling under Uncertainties: The Case Study of Croatia** // *Water*, 14 (2022), 10; 1585, 13 doi: 10.3390/w14101585
- Kekez, T., Knezić, S., Andričević, R. **Incorporating Uncertainty of the System Behavior in Flood Risk Assessment—Sava River Case Study** // *Water*, 12 (2020), 10; 2676, 26 doi: 10.3390/w12102676
- 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** // *Applied sciences (Basel)*, 12 (2022), 24; 12776, 19 doi:10.3390/app122412776
- Mladineo, N., Mladineo, M., Benvenuti, E., Kekez, T., Nikolić, Ž. **Methodology for the Assessment of Multi-Hazard Risk in Urban Homogenous Zones** // *Applied sciences (Basel)*, 12 (2022), 24; 12843, 23 doi:10.3390/app122412843.
- Andričević, R., Kekez, T., Vojković, M. **Trophic status assessment of Central Eastern Adriatic Sea using water quality variables and loading capacity concept for estuaries** // *Marine pollution bulletin*, 173 (2021), B; 113126, 10 doi: 10.1016/j.marpolbul.2021.113126
- Kvesić, M. Vojković, M. Kekez, T., Maravić, A., Andričević, R. **Spatial and Temporal Vertical Distribution of Chlorophyll in Relation to Submarine Wastewater Effluent Discharges** // *Water*, 13 (2021), 15:2016, 17 doi: 10.3390/w13152016
- Mandić, N., Ukić Boljat, H., Kekez, T., Runko Luttenberger, L. **Multicriteria Analysis of Alternative Marine Fuels in Sustainable Coastal Marine Traffic** // *Applied Sciences-Basel*, 11 (2021), 6; 2600, 18 doi: 10.3390/app11062600
- Susmel, S., Girolametti, F., Fonti, V., Figueredo, F., Scognamiglio, V., Antonacci, A., Manna, V., Bilić, J., Šoljan, V., De Bortoli, N., Martin, T., Mion, M., Kekez, T., Andričević, R., Aissa, S. B., Celussi, M.,

Annibaldi, A., **The Interreg Project AdSWiM: Managed Use of Treated Wastewater for the Quality of the Adriatic Sea** // *Water*, 14 (2022), 16; 2460, 19 doi:10.3390/w14162460

Projects **CAAT** (Coastal Autopurification Assessment Technology), European Union Structural and Investment Funds, Operational Programme Competitiveness and Cohesion 2014 – 2020, KK.01.1.1.04.0064
Plastic Busters MPAs (Plastic Busters: preserving biodiversity from plastics in Mediterranean Marine Protected Areas), European Union Regional Development Programme, Interreg Mediterranean
AdSWiM (Managed use of treated urban wastewater for the quality of the Adriatic Sea), European Union Regional Development Programme, Interreg CBC Italy-Croatia
NET4mPLASTIC (New Technologies for macro and Microplastic Detection and Analysis in the Adriatic Basin), European Union Regional Development Programme Interreg CBC Italy-Croatia
PMO-GATE (Preventing, Managing and Overcoming Natural-Hazards Risks to mitigate economic and social impact), European Union Regional Development Programme, Interreg CBC Italy-Croatia
STRENGTH (STRategies for assessing climate change and natural hazards' impact on urban ecosystems, increasing resilience to ENVironmental hazards, and promoting territorial Growth), European Union Regional Development Programme, Interreg CBC Italy-Croatia 2021-2027
SWAMrisk (Subsurface Water monitoring and Management to prevent drought risk in coastal systems), European Union Regional Development Programme, Interreg CBC Italy-Croatia 2021-2027

Conferences Kekez, T., Knezić, S., Andričević, R. **A framework for uncertainty analysis of flood risk assessment in the near-response phase** // 6th International Conference on Risk Analysis and Crisis Response (RACR-2017) / Ostrava/Prague, Czech Republic, 05. – 09. 07. 2017, Bernatik, A., Huang, C., Salvi, O. (ur.), 225-228, London: Taylor & Francis Group
Knezić, S., Baučić, M., Kekez, T., Delprato, U., Tusa, G., Preinerstorfer, A., Lichtenegger, G. **Taxonomy for disaster response: A methodological approach** // The 22nd Annual Conference of The International Emergency Management Society (TIEMS) / Rome, Italy, 30.09. – 02.10. 2015, Di Mauro, C., Rosato, V., (ur.), 1-12, Rome: TIEMS
Nikolić Ž., Kekez T., **An integrated approach to assess combined seismic and coastal flooding natural hazard risks in coastal urban area** // ECCOMAS MSF 2023 - 6th International Conference on Multi-scale Computational Methods for Solids and Fluids / Split, Croatia, 25.06 – 27.06. 2023, Ibrahimbegović, A., Dolarević, S., Čohodar-Husić M., (ur.), 228-231, Sarajevo: Faculty of Civil Engineering, University of Sarajevo
Kekez, T., Piccioli, F., Benvenuti, E., Nikolić, Ž. **Coastal flood exposure assessment due to sea level rise and extreme wave events** // ECCOMAS MSF 2021 - 5th International Conference on Multi-scale Computational Methods for Solids and Fluids / Split, Croatia, 30.06 – 02.07. 2021, Ibrahimbegović, A., Nikolić, M. (ur.), 276-277, Sarajevo: Faculty of Civil Engineering, University of Sarajevo
Kekez, T., Knezić, S., **Sources of uncertainty as a basis to fill the information gap in a response to flood** // European Geosciences Union General Assembly 2016 / Vienna, Austria, 17. – 22. 04. 2016, 16265, 1, Vienna: Geophysical Research Abstracts
Kekez, T. **Analiza nepouzdanosti u procjeni rizika od poplava u realnom vremenu** // Zbornik radova - Zajednički temelji 2016 / Osijek, Hrvatska, 27 – 29.09. 2016, Dokšanović, T., Galić, M. (ur.), 29-30, Osijek: Udruga hrvatskih građevinskih fakulteta, Građevinski fakultet Osijek
Kvesić, M., Galešić Divić, M., Kišević, M., Kekez, T., Miletić, M., Andričević, R. **Water quality monitoring in an estuary using UAV hyperspectral imaging and satellite algorithms** // Remote Sensing for Agriculture, Ecosystems, and Hydrology XXIV / Neale, Christopher M. U. ; Maltese, Antonino (ur.). Berlin: SPIE, 2022. 1226214, 12 doi:10.1117/12.2634554
Andričević, R., Šimundić, P., Kekez, T., Kišević, M., **Use of unmanned aerial vehicles for monitoring coastal and inland waters** // SGEM International Scientific Conferences on Earth & Planetary Sciences / Vienna, Austria, 09. – 12.12. 2019, 31507, 1
Gotovac, H., Srzić, V., Cvetković, V., Kekez, T., Malenica, L. **Travel time statistics under radially converging flow in single fractures** // European Geosciences Union General Assembly 2015 / Vienna, Austria, 23. – 28. 04. 2015, 12727, 1, Vienna: Geophysical Research Abstracts

Memberships European Geosciences Union