

Name of teacher:	Ivana Sušanj Čule
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Employed at: Since:	University of Rijeka, Faculty of Civil Engineering 01.09.2009.
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Academic rank: Since: In:	Associate professor 15.11.2024. Technical science; Civil Engineering; Hydraulic engineering
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Knowledge of foreign languages:	English language
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Qualifications	- date of birth, nationality: 15.02.1985. ; CROATIAN - First degree obtained at: University of Rijeka, Faculty of Civil Engineering (2009) - Ph.D. degree obtained at: University of Rijeka, Faculty of Civil Engineering (2017) - additional education: Disaster Prevention Research Institute (DPRI); University of Kyoto; Japan (2011 and 2012) - previous employments: University of Rijeka, Faculty of Civil Engineering; Chair for Hydrotechnics
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List of papers published in scientific journals	• Sušanj Čule, Ivana; Ožanić, Nevenka; Volf, Goran; Karleuša, Barbara Artificial Neural Network (ANN) Water-Level Prediction Model as a Tool for the Sustainable Management of the Vrana Lake (Croatia) Water Supply System // Sustainability, 17 (2025), 2; 722-19. doi: 10.3390/su17020722 • Volf, Goran; Sušanj Čule, Ivana; Zorko, Sonja Influence of the physiochemical parameters on the occurrence of E. coli bacteria in a small and shallow reservoir // Journal of water and health, 22 (2024), 11; 2206-2217. doi: 10.2166/wh.2024.394 • Volf, Goran; Krbavčić, Morana; Sušanj Čule, Ivana; Zorko, Sonja Prediction models for manganese, iron and ammonium in raw water for a drinking water treatment plant Butoniga (Croatia) // Engineering review (Technical Faculty University of Rijeka), 43 (2023), 3; 68-80. doi: 10.30765/er.2232 • Volf, Goran ; Sušanj Čule, Ivana ; Žic, Elvis ; Zorko, Sonja Water Quality Index Prediction for Improvement of Treatment Processes on Drinking Water Treatment Plant // Sustainability, 14 (2022), 18; 11481, 16. doi: 10.3390/su141811481 • Sušanj, Ivana ; Ožanić, Nevenka ; Karleuša, Barbara Metodologija za implementaciju hidrološkog modela otjecanja na malim slivovima // Građevinar : časopis Hrvatskog saveza građevinskih inženjera, 70 (2018), 4; 325-335. doi: 10.14256/JCE.2163.2017 • Marović, Ivan ; Sušanj, Ivana ; Ožanić, Nevenka Development of ANN model for wind speed prediction as a support for early
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	warning system // Complexity, 2017 (2017), 3418145, 10. doi: 10.1155/2017/3418145 - Sušanj, Ivana ; Ožanić, Nevenka ; Marović, Ivan Methodology for Developing Hydrological Models Based on an Artificial Neural Network to Establish an Early Warning System in Small Catchments // Advances in meteorology, (2016), 9125219-1-9125219-14. doi: 10.1155/2016/9125219 - Sušanj, Ivana ; Gjetvaj, Goran ; Ožanić, Nevenka ; Žic, Elvis Mehanizmi formiranja postupnog djelomičnog rušenja nasute brane – brana Botonega // Zbornik radova (Građevinski fakultet Sveučilišta u Rijeci), 13 (2010), 69-89
List of publications which serve as a proof of teaching qualifications	- Sušanj Čule, Ivana; Kalafatovic, Daniela; Volf, Goran; Jankovic, Patrizia; Atanasova, Nataša; Karleuša, Barbara; Ožanić, Nevenka Anthropological impact on small natural water resources on Pag island // Symposium proceedings of 18th International Symposium Water Management & Hydraulic Engineering (WMHE 2024) / Červeňanská, Michaela ; Šoltész, Andrej ; Baroková, Dana et al. (ur.); Bratislava: Slovak University of Technology in Bratislava, 2024. str. 374-383 - Volf, Goran; Sušanj Čule, Ivana; Žic, Elvis; Zorko, Sonja Prediction of E. coli bacteria on drinking water treatment facility Butoniga // Symposium proceedings of 18th International Symposium Water Management & Hydraulic Engineering (WMHE 2024) / Červeňanská, Michaela ; Šoltész, Andrej ; Baroková, Dana et al. (ur.); Bratislava: Slovak University of Technology in Bratislava, 2024. str. 299-307 - Volf, Goran; Zorko, Sonja; Sušanj Čule, Ivana Use of Machine Learning in Processes Optimization for Drinking Water Treatment Plant Butoniga (Istria, Croatia) // Collection of papers presented at the 16th Edition of the International Conference on Durability of Building Materials and Components, Beijing, China, October, 10-13, 2023 (DBMC 2023) / Kefei, Li; Fang, Dongping (ur.); Peking: China-CEE Institute, 2023, 126, 8 - Sušanj Čule, Ivana; Volf, Goran; Ožanić, Nevenka; Karleuša, Barbara Rezultati hidroloških mjerenja i stanje kvalitete voda malih vodnih resursa // 8. hrvatska konferencija o vodama „Hrvatske vode u proizvodnji hrane i energije“: zbornik radova / Biondić, Danko; Holjević, Danko; Vizner, Marija (ur.). Zagreb: Hrvatske vode, 2023. str. 187-197; Ožanić, Nevenka; Sušanj Čule, Ivana Sustav Vranskog jezera na otoku Cresu u kontekstu vodoopskrbe // 8. hrvatska konferencija o vodama „Hrvatske vode u proizvodnji hrane i energije“: zbornik radova / Biondić, Danko; Holjević, Danko; Vizner, Marija (ur.). Zagreb: Hrvatske vode, 2023. str. 323-329; Dekanić, Antonio ; Karleuša, Barbara ; Sušanj Čule, Ivana Climate change, water resources and tourism // Proceedings of 17th International symposium Water management & hydraulic engineering WMHE 2022 / Michał Szydlowski (ur.); Gdańsk, Poland: Gdańsk University of Technology Publishing House, Gdańsk 2022, 2022. str. 234-242 - Sušanj Čule, Ivana ; Ožanić, Nevenka ; Karleuša, Barbara Analiza gospodarenja otpadom nakon razornog potresa u Sisačko-moslavačkoj županiji i Svijetu // Zbornik radova 8. Sabor hrvatskih graditelja: Graditeljstvo i klimatske promjene.; Zagreb: Hrvatski savez građevinskih inženjera (HSGI), 2021. str. 445-458

	• Ožanić, Nevenka ; Briški, Dino ; Sušanj Čule, Ivana ; Karleuša, Barbara Revitalizacija potoka Brajda unutar kompleksa Rikard Benčić u Rijeci // Zbornik radova 8. Sabor hrvatskih graditelja: Graditeljstvo i klimatske promjene. Vodice: Hrvatski savez građevinskih inženjera (HSGI), 2021. str. 155-166 • Sušanj Čule, Ivana ; Karleuša, Barbara ; Horvat, Bojana ; Ožanić, Nevenka Master's theses in the field of hydrotechnical engineering at the Faculty of Civil Engineering (University of Rijeka) - good practice examples // Proceedings book: "Water Resources Management: New Perspectives and Innovative Practices".; Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 2021. str. 45-50 • Ožanić, Nevenka ; Sušanj Čule, Ivana ; Karleuša, Barbara ; Horvat, Bojana Revitalizacija vodotoka u urbanim područjima // Okrugli stol s međunarodnim sudjelovanjem "Nanos u vodnim sustavima - stanje i trendovi".; Zagreb: Hrvatsko hidrološko društvo, 2020. str. 173-183; • Ožanić, Nevenka ; Sušanj Čule, Ivana ; Volf, Goran ; Krvavica, Nino ; Žic, Elvis Hidrološka analiza varijacija razine vode jezera Vrana na otoku Cresu // Hrvatske vode u zaštiti okoliša i prirode : zbornik radova 7. hrvatske konferencije o vodama / Biondić, Danilo; Holjević, Danko; Vizner, Marija (ur.); Zagreb: Hrvatske vode, 2019. str. 311-320; • Karleuša, Barbara ; Dragičević, Nevena ; Ožanić, Nevenka ; Sušanj Čule, Ivana Jačanje kurikuluma diplomskih studija u upravljanju vodnim resursima - projekt SWARM // Hrvatske vode u zaštiti okoliša i prirode : zbornik radova 7. hrvatske konferencije o vodama / Biondić, Danilo; Holjević, Danko; Vizner, Marija (ur.); Zagreb: Hrvatske vode, 2019. str. 1197-1204 • Ožanić, Nevenka ; Dragičević, Nevena ; Sušanj, Ivana ; Žic, Elvis ; Ružić, Igor ; Krvavica, Nino ; Karleuša, Barbara Rezultati istraživanja na Hrvatsko-Japanskom projektu- poplave i blatni tokovi // Vodnogospodarski projekti i EU fondovi.; Zagreb: Hrvatsko hidrološko društvo, 2015. str. 45-69 • Ožanić, Nevenka ; Žic, Elvis ; Sušanj, Ivana ; Travaš, Vanja ; Ružić, Igor ; Dragičević, Nevena ; Krvavica, Nino Znanstvena oprema i mogućnosti istraživanja na Građevinskom fakultetu u Rijeci // Zbornik radova 6. Hrvatske konferencije o vodama s međunarodnim sudjelovanjem - HRVATSKE VODE NA INVESTICIJSKOM VALU (6th Croatian Water Conference with International participation - CROATIAN WATERS ON THE INVESTMENT WAVES).; Opatija: Hrvatske vode (Tisak: NEOGRAF d.o.o.), 2015. str. 1425-1443 • Žic, Elvis ; Sušanj, Ivana ; Ružić, Igor ; Ožanić, Nevenka ; Yamashiki, Yosuke Hydrologic Data Analysis for the Grohovo Landslide Area // Landslide and flood hazard assesment, Abstract Proceedings.; Zagreb: Grad Zagreb ; Ured za upravljanje u hitnim situacijama, 2014. str. 97-106 • Sušanj, Ivana ; Ožanić, Nevenka ; Yamashiki, Yosuke Analysis of flash flood occurred at Slani potok chachement, Croatia // Landslide and flood hazard assesment /Proceedings.; Zagreb: Faculty of Mining, Geology and Petroleum Rngineering, University of Zagreb and Faculty of Civil Engineering, University of Rijeka, 2014. str. 107-110 • Sušanj, Ivana ; Dragičević, Nevena ; Karleuša, Barbara ; Ožanić, Nevenka GIS based monitoring database for dubračina river catchment area as a tool for mitigation and prevention of flash flood and erosion // Thirteenth International Symposium on WATER MANAGEMENT AND HYDRAULIC ENGINEERING (Proceedings).; Bratislava, 2013. str. 637-652
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	• Ožanić, Nevenka ; Karleuša, Barbara ; Dragičević, Nevena ; Sušanj, Ivana ; Žic, Elvis ; Ružić, Igor ; Krvavica, Nino Ublažavanje nepogoda kod poplava i odrona zemlje u hrvatskoj kroz hrvatsko-japansku suradnju // Dani gospodarenja vodama 2013: Napredak kroz znanost.; Zagreb: Građevinski fakultet Sveučilišta u Zagrebu, 2013. str. 63-93 • Ožanić, Nevenka ; Sušanj, Ivana ; Ružić, Igor ; Žic, Elvis ; Dragičević, Nevena Monitoring and analyses for the working group II (WG2) in Rijeka area in Croatian-Japanese project // 2nd PROJECT WORKSHOP, MONITORING AND ANALYSES FOR DISASTER MITIGATION OF LANDSLIDES, DEBRIS FLOW AND FLOODS, BOOK OF PROCEEDINGS.; Rijeka: Sveučilište u Rijeci, 2012. str. 86-90 • Ožanić, Nevenka ; Arbanas, Željko ; Mihalić, Snježana ; Sušanj, Ivana ; Žic, Elvis ; Ružić, Igor ; Dragičević, Nevena Hrvatsko-japanski projekt o poplavama i klizištima: znanstvene aktivnosti i primjena rezultata // Zaštita od poplava u Hrvatskoj, Okrugli stol.; Vukovar: Hrvatske vode, 2012. str. 171-188 • Ružić, Igor ; Benac, Čedomir ; Ilić, Suzana ; Sušanj, Ivana ; Ljutić, Kristijan The impact of land use changes and torrential streams flood control on the liburnian and cres island beaches // HRVATSKE VODE PRED IZAZOVOM KLIMATSKIH PROMJENA.; Zagreb: Hrvatske vode, 2011. str. 772-781 • Ružić, Igor ; Sušanj, Ivana ; Ožanić, Nevenka ; Žic, Elvis Otjecanja sa sliva slanog potoka i izvora rijeke dubračine na području vinodolske doline // HRVATSKE VODE PRED IZAZOVOM KLIMATSKIH PROMJENA.; Zagreb: Hrvatske vode, 2011. str. 226-237 • Žic, Elvis ; Marović, Ivan ; Ožanić, Nevenka ; Sušanj, Ivana The throughput of the drainage-retaining channel Botonega in Istria, Croatia // People, Buildings and Environment 2010.; Brno: Akademické nakladatelství CERM, 2010. str. 455-461 • Santin, Gianantonio ; Uzelac, Boris ; Sokol, Marko ; Sušanj, Ivana Precipitation water drainage on the site of the planned University campus in Rijeka - Issues and Solution // Konferencija s međunarodnim sudjelovanjem - SUVREMENE METODE ODVODNJE OBORINSKIH VODA URBANIH SREDINA NA OBALNIM PODRUČJIMA, Zbornik radova.; Rijeka: Hrvatsko društvo za zaštitu voda ; Građevinski fakultet Sveučilišta u Rijeci, 2009. str. 224-233
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Leader of the following research projects	„Development of the methodology for the condition evaluation, protection and revitalization on small urban water resources“. (ZIP-UNIRI-1500-2-22), https://www.croris.hr/projekti/projekt/8577
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Participant in the following research projects	• „Sustav podrške upravljanju za poboljšanje procesa pročišćavanja na postrojenju za kondicioniranje pitke vode Butoniga“. (ZIP-UNIRI-1500-3-22); https://www.croris.hr/projekti/projekt/8576 • „Implementation of innovative methodologies, approaches and tools for sustainable river basin management“. (uniri-tehnic-18-129); https://www.croris.hr/projekti/projekt/5984 • „Implementing innovative methodologies, technologies and tools to ensure sustainable water management“. (uniri-iskusni-tehnic-23-67); https://www.croris.hr/projekti/projekt/10129 • „Hydrology of water resources and risk identification of consequences of climate changes in karst areas“. (uniri-iskusni-tehnic-23-74); https://www.croris.hr/projekti/projekt/10824
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	• „Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders (SWARM)“, Project number: 597888-EPP-1-2018-1-RS-EPPKA2-CBHE-JP, ERASMUS+ Call for Proposals EAC/A05/2017, https://www.croris.hr/projekti/projekt/12842 • „Hydrology of water resources and risk identification of flooding and mudflows in the karst area“ (13.05.1.1.03.), https://www.croris.hr/projekti/projekt/6454 • „Networking for drinking water supply in Adriatic Region – DrinkAdria“ u sklopu IPA Adriatic Cross-border Cooperation Programme 2007-2013., https://www.croris.hr/projekti/projekt/12852 • „Razvoj istraživačke infrastrukture na kampusu Sveučilišta u Rijeci“ (RC.2.2.06-0001) (Research Infrastructure for Campus-based Laboratories at the University of Rijeka, number RC.2.2.06-0001), Strukturni fondovi Europske unije • „Identifikacija rizika i planiranja korištenja zemljišta za ublažavanje nepogoda kod odrona zemlje i poplava u Hrvatskoj“ („Risk Identification and Land-Use Planning for Disaster Mitigation of Landslides and Floods in Croatia“), „Hidrologija osjetljivih vodnih resursa u kršu“ (114-0982709-2549), ministarstvo znanosti, obrazovanja i mladih Republike Hrvatske, https://www.croris.hr/projekti/projekt/342
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Supervision of PhD theses	
Examination of PhD theses	