

Name of teacher	Nino Krvavica
Employed at: Employed since:	University of Rijeka, Faculty of Civil Engineering 01/07/2011
Academic rank: Last date of selection to academic rank: Scientific branch and area:	Assistant Professor 2017 Hydraulic Engineering, Civil Engineering, Technical sciences
e-mail address, web page	nino.krvavica@gradri.uniri.hr , https://portal.uniri.hr/Portfelj/1129
Knowledge of foreign languages:	English
Qualifications	<ul style="list-style-type: none"> - date of birth, nationality: 25th December 1982, Croatian - First degree obtained at: University of Rijeka, Faculty of Civil Engineering (2007) - Ph.D. degree obtained at: University of Rijeka, Faculty of Civil Engineering (2016) - previous employments: Institut građevinarstva Hrvatske, 2007-2011
List of papers published in scientific journals	<ul style="list-style-type: none"> ➤ Krvavica, Nino; Rubinić, Josip. Evaluation of Design Storms and Critical Rainfall Durations for Flood Prediction in Partially Urbanized Catchments // <i>Water</i>, 12 (2020), 7; 2044, 20 doi:10.3390/w12072044 ➤ Krvavica, Nino; Peroli, Gabrijel; Ružić, Igor; Ožanić, Nevenka. Time-dependent numerical model for simulating internal oscillations in a sea organ // <i>Ocean engineering</i>, 205 (2020), 107336, 11 doi:10.1016/j.oceaneng.2020.107336 ➤ Re-evaluating efficiency of first-order numerical schemes for two-layer shallow water systems by considering different eigenvalue solutions // <i>Advances in water resources</i>, 137 (2020), 103508, 13 doi:10.1016/j.advwatres.2020.103508 ➤ Krvavica, Nino; Ružić, Igor. Assessment of sea-level rise impacts on salt-wedge intrusion in idealized and Neretva River Estuary // <i>Estuarine, coastal and shelf science</i>, 234 (2020), 106638, 13 doi:10.1016/j.ecss.2020.106638 ➤ Krvavica, Nino; Ružić, Igor; Ožanić, Nevenka. New Approach to Flap-Type Wavemaker Equation with Wave Breaking Limit. // <i>Coastal engineering journal</i>. 60 (2018) , 1; 69-78 ➤ Krvavica, Nino; Tuhtan, Miran; Jelenić, Gordan. Analytical implementation of Roe solver for two-layer shallow water equations with accurate treatment for loss of hyperbolicity. // <i>Advances in water resources</i>. 122 (2018) , C; 187-205 ➤ Krvavica, Nino; Kožar, Ivica; Travaš, Vanja; Ožanić, Nevenka. Numerical modelling of two-layer shallow water flow in microtidal salt-wedge estuaries : Finite volume solver and field validation. // <i>Journal of Hydrology and Hydromechanics</i>. 65 (2017) , 1; 49-59 ➤ Krvavica, Nino; Travaš, Vanja; Ožanić, Nevenka. Salt-Wedge Response to Variable River Flow and Sea-Level Rise in the Microtidal Rječina River Estuary, Croatia. // <i>Journal of coastal research</i>. 33 (2017) , 4; 802-814 ➤ Krvavica, Nino; Travaš, Vanja; Ožanić, Nevenka. A field study of interfacial friction and entrainment in a microtidal salt-wedge estuary. // <i>Environmental fluid mechanics</i>. 16 (2016) , 6; 1223-1246 ➤ Ružić, Igor; Dugonjić Jovančević, Sanja; Benac, Čedomir; Krvavica, Nino. Assessment of the Coastal Vulnerability Index in an Area of Complex Geological Conditions on the Krk Island, Northeast Adriatic Sea. // <i>Geosciences</i>. 9 (2019) , 5; 1-17 ➤ Karleuša, Barbara; Rubinić, Josip; Radišić, Maja; Krvavica, Nino. Analysis of Climate Change Impact on Water Supply in Northern Istria (Croatia). // <i>Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku</i>. 20 (2018) , Supplement 2; 366-374 ➤ Krvavica, Nino; Jaredić, Krešimir; Rubinić, Josip. Metodologija definiranja mjerodavne oborine za dimenzioniranje infiltracijskih sustava. // <i>Građevinar : časopis Hrvatskog saveza građevinskih inženjera</i>. 70 (2018) , 8; 657-669

	<ul style="list-style-type: none"> ➤ Krvavica, Nino; Kožar, Ivica; Ožanić, Nevenka. The relevance of turbulent mixing in estuarine numerical models for two-layer shallow water flow. // Coupled Systems Mechanics. 7 (2018) , 1; 95-109 ➤ Krvavica, Nino; Ružić, Igor; Ožanić, Nevenka. Integrated computational model for Sea Organ simulation. // Građevinar. 70 (2018) , 4; 287-295 ➤ Ružić, Igor; Benac, Čedomir; Ilić, Suzana; Krvavica, Nino; Rubinić, Josip. Geomorfološke promjene minijaturnog žala na kršu. // Hrvatske vode : časopis za vodno gospodarstvo. 26 (2018) , 103; 27-34 ➤ Peroli, Gabrijel; Krvavica, Nino. Pojednostavnjeni računalni model Morskih orgulja u Zadru. // Zbornik radova Građevinskog fakulteta u Rijeci. Knjiga XIX (2017) , 1; 9-24 ➤ Krvavica, Nino; Ružić, Igor; Ožanić, Nevenka. Analiza procjene intenziteta oborine pomoću X-band radara. // Hrvatske vode : časopis za vodno gospodarstvo. 24 (2016) , 96; 137-146 ➤ Krvavica, Nino; Travaš, Vanja. A comparison of method of characteristics and Preissmann scheme for flood propagation modeling with 1D Saint-Venant equations. // Acta hydrotechnica. 27 (2015) , 46; 1-12 ➤ Travaš, Vanja; Krvavica, Nino; Rubeša, Josip. Modeliranje morfologije otvorenih korita za provedbu jednodimenzijske analize toka. // Hrvatske vode : časopis za vodno gospodarstvo. 23 (2015) , 92; 123-132 ➤ Gajić-Čapka, Marjana; Ožanić, Nevenka; Krvavica, Nino. Estimation of maximum short-term precipitation over the Rijeka region. // Elektronički časopis Građevinskog fakulteta Osijek. 5 (2014) , 9; 49-59 ➤ Travaš, Vanja; Krvavica, Nino. Spektralni i monokromatski pristup definiranju hidrodinamičkog opterećenja na vertikalne pilote. // Hrvatske vode : časopis za vodno gospodarstvo. 22 (2014) , 87; 13-22 ➤ Krvavica, Nino; Mofardin, Boris; Ružić, Igor; Ožanić, Nevenka. Mjerenje i analiza zaslanjivanja na ušću Rječine. // Građevinar. 64 (2012) , 11; 923-933
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<p>List of publications which serve as a proof of teaching qualifications</p>	<ul style="list-style-type: none"> ➤ Krvavica, Nino; Rubinić, Josip. Evaluation of Design Storms and Critical Rainfall Durations for Flood Prediction in Partially Urbanized Catchments // Water, 12 (2020), 7; 2044, 20 doi:10.3390/w12072044 ➤ Krvavica, Nino; Peroli, Gabrijel; Ružić, Igor; Ožanić, Nevenka. Time-dependent numerical model for simulating internal oscillations in a sea organ // Ocean engineering, 205 (2020), 107336, 11 doi:10.1016/j.oceaneng.2020.107336 ➤ Re-evaluating efficiency of first-order numerical schemes for two-layer shallow water systems by considering different eigenvalue solutions // Advances in water resources, 137 (2020), 103508, 13 doi:10.1016/j.advwatres.2020.103508 ➤ Krvavica, Nino; Ružić, Igor. Assessment of sea-level rise impacts on salt-wedge intrusion in idealized and Neretva River Estuary // Estuarine, coastal and shelf science, 234 (2020), 106638, 13 doi:10.1016/j.ecss.2020.106638 ➤ Krvavica, Nino; Tuhtan, Miran; Jelenić, Gordan. Analytical implementation of Roe solver for two-layer shallow water equations with accurate treatment for loss of hyperbolicity. // Advances in water resources. 122 (2018) , C; 187-205 ➤ Krvavica, Nino; Kožar, Ivica; Travaš, Vanja; Ožanić, Nevenka. Numerical modelling of two-layer shallow water flow in microtidal salt-wedge estuaries : Finite volume solver and field validation. // Journal of Hydrology and Hydromechanics. 65 (2017) , 1; 49-59 ➤ Krvavica, Nino; Travaš, Vanja; Ožanić, Nevenka. Salt-Wedge Response to Variable River Flow and Sea-Level Rise in the Microtidal Rječina River Estuary, Croatia. // Journal of coastal research. 33 (2017) , 4; 802-814 ➤ Krvavica, Nino; Travaš, Vanja; Ožanić, Nevenka. A field study of interfacial friction and entrainment in a microtidal salt-wedge estuary. // Environmental fluid mechanics. 16 (2016) , 6; 1223-1246 ➤ Krvavica, Nino; Jaredić, Krešimir; Rubinić, Josip. Metodologija definiranja mjerodavne oborine za dimenzioniranje infiltracijskih sustava. // Građevinar : časopis Hrvatskog saveza građevinskih inženjera. 70 (2018) , 8; 657-669 ➤ Krvavica, Nino; Kožar, Ivica; Ožanić, Nevenka. The relevance of turbulent mixing in estuarine numerical models for two-layer shallow water flow. // Coupled Systems Mechanics. 7 (2018) , 1; 95-109
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	<ul style="list-style-type: none"> ➤ Krvavica, Nino; Travaš, Vanja. A comparison of method of characteristics and Preissmann scheme for flood propagation modeling with 1D Saint-Venant equations. // Acta hydrotechnica. 27 (2015) , 46; 1-12
Leader of the following research projects	<ul style="list-style-type: none"> ➤ Supporting project funded by the University of Rijeka, River-sea interaction in the context of climate change (2018-2019).
Participant in the following research projects	<ul style="list-style-type: none"> ➤ SUSTAINABLE CONSTRUCTION OF ARTIFICIAL GRAVEL BEACHES- CONSTRUCTION OF NEW BEACHES AND AN INCREASE OF EXISTING CAPACITY - BEACHEX (2019 - 2023), funded by the Croatian Science foundation (leader: Dalibor Carević) ➤ UNIRI project funded by the University of Rijeka Hydrology of water resources and risk identification from floods and mud flows in karst (leader: Nevenka Ožanić) (2019- today) ➤ Supporting project funded by the University of Rijeka, Hydrology of water resources and risk identification from floods and mud flows in karst (leader: Nevenka Ožanić) (2014-2018) ➤ International project Networking for Drinking Water Supply in Adriatic Region – DRINKADRIA (leader Barbara Karleuša), co-funded by IPA Adriatic Cross Border Cooperation. (2013-2016) ➤ Project Hydrology of sensitive water resources in karst (leader Nevenka Ožanić), funded by the Ministry of Science, Education and Sport of Republic of Croatia (2011-2014) ➤ Croatian-Japanese bilateral project Risk Identification and Land-Use Planning for Disaster Mitigation of Landslides and Floods in Croatia (leader Nevenka Ožanić) co-funded by the Government of Japan (Japan International Cooperation Agency, JICA, Japan Agency for Science and Technology, JST) and Ministry of Science, Education and Sport of Republic of Croatia (2009-2014).
Supervision of MSc theses	0
Supervision of PhD theses	0
Examination of MSc theses	0
Examination of PhD theses	0