

Name of teacher:	Barbara Karleuša
Employed at: Since:	Građevinski fakultet Sveučilišta u Rijeci 02.07.1997.
Title: Since: In:	Full professor 23.05.2017. Civil engineering, Hydrotechnical engineering
e-mail address, web page	barbara.karleusa@uniri.hr; https://portal.uniri.hr/portfelj/1383
Knowledge of foreign languages:	English, Italian

Qualifications	- date of birth, nationality: Rijeka, 02.05.1973., hrvatsko i talijansko - First degree obtained at: Faculty of Civil Engineering University of Rijeka - Master degree obtained at: Faculty of Civil Engineering University of Zagreb - Ph.D. degree obtained at: Faculty of Civil Engineering University of Zagreb
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List of papers published in scientific journals	- Karleuša, Barbara; Hajdinger, Andreja; Tadić, Lidija: <i>The application of multi-criteria analysis methods for the determination of priorities in the implementation of irrigation plans</i> // Water, 11 (2019), 3; 501, 20 doi:10.3390/w11030501 - Dragičević, Nevena; Karleuša, Barbara; Ožanić, Nevenka: <i>Different Approaches to Estimation of Drainage Density and Their Effect on the Erosion Potential Method</i> // Water, 11 (2019), 3; 593, 14 doi:10.3390/w11030593 - Dragičević, Nevena; Karleuša, Barbara; Ožanić, Nevenka; Kisić, Ivica: <i>Effect of Source-Varying Input Data on Erosion Potential Model Performance</i> // Geocarto International, 34 (2019), 10; 1109-1122 doi:10.1080/10106049.2018.1474273 - Karleuša, Barbara; Rubinić, Josip; Radišić, Maja; Krvavica, Nino: <i>Analysis of Climate Change Impact on Water Supply in Northern Istria (Croatia)</i> // Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku, 20 (2018), Supplement 2; 366-374 doi:10.17559/TV-20170809140304 - Dragičević, Nevena; Karleuša, Barbara; Ožanić, Nevenka: <i>Modification of erosion potential method using climate and land cover parameters</i> // Geomatics, Natural Hazards and Risk, 9 (2018), 1; 1085-1105 doi:10.1080/19475705.2018.1496483 - Sušan, Ivana; Ožanić, Nevenka; Karleuša, Barbara: <i>Methodology for developing hydrological discharge model for small catchments</i> // Građevinar : časopis Hrvatskog saveza građevinskih inženjera, 70 (2018), 4; 325-335 doi:10.14256/JCE.2163.2017 - Dragičević, Nevena; Karleuša, Barbara; Ožanić, Nevenka: <i>Erosion Potential Method (Gavrilović method) sensitivity analysis</i>. // Soil and Water Research, 12 (2017), 1, 51-59, doi: 10.17221/27/2016-SWR - Dragičević, Nevena; Karleuša, Barbara; Ožanić, Nevenka: <i>Pregled primjene Gavrilović metode (Metoda Potencijala Erozije) / A Review of the Gavrilović Method (Erosion Potential Method) Application</i>. // Građevinar. 68 (2016) 9, 715-725, DOI: 10.14256/JCE.1602.2016 - Karleuša, Barbara; Ožanić, Nevenka; Deluka-Tibljaš, Aleksandra. <i>Improving decision making in defining priorities for implementation of irrigation plans using AHP methodology</i>. // Technical gazette / Tehnički vjesnik. 21 (2014) , 3; 673-680 - Deluka-Tibljaš, Aleksandra; Karleuša, Barbara; Nevena Dragičević: <i>Pregled primjene metoda višekriterijske analize pri donošenju odluka o prometnoj infrastrukturi, Review of multicriteria-analysis methods application in decision making about transport infrastructure</i> // Građevinar : časopis Hrvatskog saveza građevinskih inženjera. 65 (2013), 7; 619-631 - Deluka-Tibljaš, Aleksandra; Karleuša, Barbara; Benac, Čedomir: <i>AHP methodology application in garage-parking facility location selection</i>. // Promet - Traffic & Transportation, 23 (2011), 4; 305-315 - Karleuša, Barbara; Beraković, Boris; Rajčić, Vlatka: <i>Ekspertni sustav za ocjenu uspješnosti planiranja u gospodarenju vodama</i>. // Građevinar : časopis Hrvatskog saveza građevinskih inženjera. 62 (2010), 1; 1-11 - Kanakoudis, Vasilis; Tsitsifli, Stavroula; Papadopoulou, Anastasia; Cencur Curk, Barbara; Karleuša, Barbara. <i>Estimating the water resources vulnerability index in the Adriatic Sea region</i>. // Procedia Engineering. 162 (2016); 476-485, doi: 10.1016/j.proeng.2016.11.091 - Tadić, Lidija; Ožanić, Nevenka; Tadić, Zdenko; Karleuša, Barbara; Đuroković, Zoran: <i>Razlike u pristupima izradi planova navodnjavanja u području kontinentalnog i priobalnog dijela Hrvatske</i>. // Hrvatske vode. 15 (2007) , 60; 201-212
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	- Poletan Jugović, Tanja; Baričević, Hrvoje; Karleuša, Barbara: <i>Multi-criteria optimisation of the Pan-European Corridor, Vb Competitiveness / Višekriterijska optimizacija konkurentnosti paneuropskog koridora Vb. // Promet - Traffic & Transportation. 18 (2006) , 3; 189-195</i> - Karleuša, Barbara; Beraković, Boris; Ožanić, Nevenka: <i>Primjena ELECTRE TRI metode na izbor varijante navodnjavanja. // Građevinar. 57 (2005), 1; 21-28</i> - Benac, Čedomir; Rubinić, Josip; Karleuša, Barbara; Jardas, Branka; Oštrić, Maja: <i>Changes of Hydrogeological Conditions Provoked by Construction in the Coastal Zone of Rijeka. // RMZ-Material and Geoenvironment. 50 (2003) , 1; 21-24</i> - Karleuša, Barbara; Deluka-Tibljaš, Aleksandra; Benigar, Milivoj. <i>Mogućnosti primjene postupaka višekriterijske optimizacije u prometnom planiranju i projektiranju. // Suvremeni promet. 23 (2003), 1-2; 104-107</i>
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List of publications which serve as a proof of teaching qualifications	- Deluka-Tibljaš, Aleksandra; Karleuša, Barbara; Štimac Grandić, Ivana: Definiranje ishoda učenja na studijima građevinarstva Sveučilišta u Rijeci. // Građevinar : časopis Hrvatskog saveza građevinskih inženjera. 63 (2011), 1; 1-10 - Ožanić, Nevenka; Karleuša, Barbara; Jelenić, Gordan; Tićak, Sandra. Doctoral studies quality assurance at University of Rijeka with emphasis on studies in civil engineering // Proceedings of the First EUCEET Association Conference - New Trends and Challenges in Civil Engineering Education / Dritos, Stephanos (ur.). Patras : University of Patras, 2011. 69-78 - Karleuša, Barbara; Hajdinger, Andreja; Tadić, Lidija: <i>The application of multi-criteria analysis methods for the determination of priorities in the implementation of irrigation plans // Water, 11 (2019), 3; 501, 20 doi:10.3390/w11030501</i> - Dragičević, Nevena; Karleuša, Barbara; Ožanić, Nevenka: <i>Different Approaches to Estimation of Drainage Density and Their Effect on the Erosion Potential Method // Water, 11 (2019), 3; 593, 14 doi:10.3390/w11030593</i> - Dragičević, Nevena; Karleuša, Barbara; Ožanić, Nevenka; Kisić, Ivica: <i>Effect of Source-Varying Input Data on Erosion Potential Model Performance // Geocarto International, 34 (2019), 10; 1109-1122 doi:10.1080/10106049.2018.1474273</i> - Karleuša, Barbara; Ožanić, Nevenka; Deluka-Tibljaš, Aleksandra. <i>Improving decision making in defining priorities for implementation of irrigation plans using AHP methodology. // Technical gazette / Tehnički vjesnik. 21 (2014) , 3; 673-680</i> - Deluka-Tibljaš, Aleksandra; Karleuša, Barbara; Nevena Dragičević: <i>Pregled primjene metoda višekriterijske analize pri donošenju odluka o prometnoj infrastrukturi, Review of multicriteria-analysis methods application in decision making about transport infrastructure // Građevinar : časopis Hrvatskog saveza građevinskih inženjera. 65 (2013), 7; 619-631</i> - Deluka-Tibljaš, Aleksandra; Karleuša, Barbara; Benac, Čedomir: <i>AHP methodology application in garage-parking facility location selection. // Promet - Traffic & Transportation, 23 (2011), 4; 305-315</i> - Karleuša, Barbara; Beraković, Boris; Rajčić, Vlatka: <i>Ekspertni sustav za ocjenu uspješnosti planiranja u gospodarenju vodama. // Građevinar : časopis Hrvatskog saveza građevinskih inženjera. 62 (2010), 1; 1-11</i> - Karleuša, Barbara; Beraković, Boris; Ožanić, Nevenka: <i>Primjena ELECTRE TRI metode na izbor varijante navodnjavanja. // Građevinar. 57 (2005), 1; 21-28</i> - Karleuša, Barbara; Deluka-Tibljaš, Aleksandra; Benigar, Milivoj. <i>Mogućnosti primjene postupaka višekriterijske optimizacije u prometnom planiranju i projektiranju. // Suvremeni promet. 23 (2003), 1-2; 104-107</i>
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Leader of the following research projects	- Leader of project: IMPLEMENTATION OF INNOVATIVE METHODOLOGIES, APPROACHES AND TOOLS FOR SUSTAINABLE RIVER BASIN MANAGEMENT, (uniri-tehnic-18-129) funded by University of Rijeka since 2019.-2021. - Leader of project: Development of New Methodologies in Water and Soil Management in Karstic, Sensitive and Protected Areas (13.05.1.3.08), funded by University of Rijeka since 2013.-2018.. - International project DRINKADRIA: Networking for Safe Drinking Water Supply in Adriatic Region funded form IPA Adriatic Cross-border Cooperation Programme 2007–2013, project leader at the Faculty of Civil Engineering University of Rijeka and Work package 4 (Cross-border water resources management), 11.2013. – 09.2016.
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Participant in the following research projects	- POP&KTV, Impact of open fires on the quality of soil and water, project leader prof. dr. sc. Ivica Kisić - Faculty of Agronomy in Zagreb, funded by HRZZ, 2018.-2022. - Hydrology of water resources and identification of flood and mudflow risks in karst, project leader prof. dr. sc. Nevenka Ožanić, (uniri-tehnic-18-54) funded by University of Rijeka since 2019-2021.
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	- Bilateral Croatian-Japanese project Risk Identification and Land-Use Planning for Disaster Mitigation of Landslides and Floods in Croatia in Work package Flash flood and debris flow working group, 2009 - 2014, project leader prof. dr. sc. Nevenka Ožanić from the Faculty of Civil Engineering University of Rijeka. - Hydrology of sensitive water resources in karst areas (114-0982709-2549) – funded by Croatian Ministry of science, education and sport, 01.2007. -04.2014., project leader prof. dr. sc. Nevenka Ožanić from the Faculty of Civil Engineering University of Rijeka - Scientific foundations for irrigation in Croatia (br. 114003) – funded by Croatian Ministry of science, technology and informatics, leaders: until 2001 prof.dr.sc. Zorko Kos, 2001 - 2007 prof.dr.sc. Nevenka Ožanić, both from the Faculty of Civil Engineering University of Rijeka
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Supervision of MSc theses	0
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Supervision of PhD theses	2
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Examination of MSc theses	1
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Examination of PhD theses	5
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