

Name of teacher:	Goran Volf
Employed at: Since:	Faculty of Civil Engineering, University of Rijeka 15.11.2006.
Title: Since: In:	Assistant Professor 07.04.2016. Hydraulic Engineering (Sanitary Engineering), Technical Sciences
e-mail address, web page	goran.volf@uniri.hr , https://portal.uniri.hr/Portfelj/921
Knowledge of foreign languages:	English, Slovenian

Qualifications	<ul style="list-style-type: none"> - date of birth, nationality: 15.11.1982, Croatian - First degree obtained at: Faculty of Civil Engineering, University of Rijeka, graduated on 2006 - Master degree obtained at: - - Ph.D. degree obtained at: Faculty of Civil Engineering, University of Rijeka, PhD on 2012 - additional education: Workshops, Training courses, Training programmes (Please see https://portal.uniri.hr/Portfelj/921) - previous employments: -
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List of papers published in scientific journals	<p>[1] Volf, Goran; Atanasova, Nataša; Škerjanec, Mateja; Ožanić, Nevenka Hybrid modeling approach for the northern Adriatic watershed management. // <i>Science of the total environment</i>, 635 (2018), C; 353-363 doi:10.1016/j.scitotenv.2018.04.094</p> <p>[2] Volf, Goran; Žic, Elvis; Ožanić, Nevenka Prediction of groundwater level fluctuations on grohovo landslide using rule based regression. // <i>Engineering review</i>, 38 (2018), 1; 51-61</p> <p>[3] Volf, Goran; Atanasova, Nataša Procjena učinkovitosti rada uređaja za pročišćavanje otpadnih voda upotrebom alata strojnog učenja. // <i>Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci</i>, 19 (2016), 1; 25-36</p> <p>[4] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Precali, Robert; Ožanić, Nevenka Study of the impact of TIN/PO4 ratio on mucilage formation in the northern Adriatic using regression trees. // <i>Acta Adriatica</i>, 56 (2015), 2; 207-222</p> <p>[5] Volf, Goran; Kompare, Boris; Ožanić, Nevenka Use of machine learning for determining phytoplankton dynamic on station RV001 in front of Rovinj (northern Adriatic). // <i>Engineering review : znanstveni časopis za nove tehnologije u strojarstvu, brodogradnji i elektrotehnici</i>, 34 (2014), 181-187</p> <p>[6] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Ožanić, Nevenka Modeling nutrient loads to the northern Adriatic. // <i>Journal of hydrology</i>, 504 (2013), 182-193 doi:10.1016/j.jhydrol.2013.09.044</p> <p>[7] Volf, Goran; Kompare, Boris; Ožanić, Nevenka Relating nutrient ratios to mucilage events in northern Adriatic. // <i>Engineering review : znanstveni časopis za nove tehnologije u strojarstvu, brodogradnji i elektrotehnici</i>, 33 (2013), 3; 193-202</p> <p>[8] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Precali, Robert; Ožanić, Nevenka Descriptive and prediction models of phytoplankton dynamic in NA. // <i>Ecological modelling</i>, 222 (2011), 14; 2502-2511 doi:10.1016/j.ecolmodel.2011.02.013</p> <p>[9] Wöflf, Helena; Volf, Goran; Rubinić, Josip Modelska analiza navodnjavanja kišnicom na jadranskim otocima. // <i>Zbornik radova Građevinskoga fakulteta Sveučilišta u Rijeci</i>, 12 (2010), 1; 113-130</p> <p>[10] Mijalić, Marin; Volf, Goran; Ožanić, Nevenka Određivanje hidrograma otjecanja korištenjem HEC – HMS programa. // <i>Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci</i>, 12 (2009), 55-85</p> <p>[11] Žic, Elvis; Volf, Goran; Obradović, Duško Utjecaj oscilacija vodnih masa u vodospremi na hidrauličke gubitke u gravitacijskim i potisnim vodoopskrbnim sustavima. // <i>Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci</i>, 12 (2009), 125-148</p> <p>[12] Hinić, Višnja; Rubinić, Josip; Vučković, Ivan; Ružić, Igor; Gržetić, Ana; Volf, Goran; Ljubotina, M.; Kvas, Nena Analysis of interrelation between water quality and hydrologic conditions on a small karst catchment area of sinking watercourse Truhovica. // <i>Earth and Environmental Science, Volume 4, 2008</i> (2009), 012021; 1-8 doi:10.1088/1755-1307/4/1/012021</p>
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List of publications which serve as a proof of teaching qualifications

- [1] Volf, Goran; Atanasova, Nataša; Škerjanec, Mateja; Ožanić, Nevenka
Hybrid modeling approach for the northern Adriatic watershed management. // *Science of the total environment*, **635** (2018), C; 353-363 doi:10.1016/j.scitotenv.2018.04.094
- [2] Volf, Goran; Žic, Elvis; Ožanić, Nevenka
Prediction of groundwater level fluctuations on grohovo landslide using rule based regression. // *Engineering review*, **38** (2018), 1; 51-61
- [3] Volf, Goran; Atanasova, Nataša
Procjena učinkovitosti rada uređaja za pročišćavanje otpadnih voda upotrebom alata strojnog učenja. // *Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci*, **19** (2016), 1; 25-36
- [4] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Precali, Robert; Ožanić, Nevenka
Study of the impact of TIN/PO4 ratio on mucilage formation in the northern Adriatic using regression trees. // *Acta Adriatica*, **56** (2015), 2; 207-222
- [5] Volf, Goran; Kompare, Boris; Ožanić, Nevenka
Use of machine learning for determining phytoplankton dynamic on station RV001 in front of Rovinj (northern Adriatic). // *Engineering review : znanstveni časopis za nove tehnologije u strojarstvu, brodogradnji i elektrotehnici*, **34** (2014), 181-187
- [6] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Ožanić, Nevenka
Modeling nutrient loads to the northern Adriatic. // *Journal of hydrology*, **504** (2013), 182-193 doi:10.1016/j.jhydrol.2013.09.044
- [7] Volf, Goran; Kompare, Boris; Ožanić, Nevenka
Relating nutrient ratios to mucilage events in northern Adriatic. // *Engineering review : znanstveni časopis za nove tehnologije u strojarstvu, brodogradnji i elektrotehnici*, **33** (2013), 3; 193-202
- [8] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Precali, Robert; Ožanić, Nevenka
Descriptive and prediction models of phytoplankton dynamic in NA. // *Ecological modelling*, **222** (2011), **14**; 2502-2511 doi:10.1016/j.ecolmodel.2011.02.013
- [9] Mijalić, Marin; Volf, Goran; Ožanić, Nevenka
Određivanje hidrograma otjecanja korištenjem HEC – HMS programa. // *Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci*, **12** (2009), 55-85
- [10] Hinić, Višnja; Rubinić, Josip; Vučković, Ivan; Ružić, Igor; Gržetić, Ana; Volf, Goran; Ljubotina, M.; Kvas, Nena
Analysis of interrelation between water quality and hydrologic conditions on a small karst catchment area of sinking watercourse Trbuhovica. // *Earth and Environmental Science, Volume 4, 2008 (2009), 012021; 1-8* doi:10.1088/1755-1307/4/1/012021
- [11] Nemarnik, Rino; Volf, Goran; Karleuša, Barbara
Estimation of pollutant load in drinking water protected areas of springs Sv. Ivan, Bulaž and Gradole. // *e-GFOS*, **13** (2016), 39-49 doi:10.13167/2016.13.5
- [12] Volf, Goran; Atanasova, Nataša
Modeliranje uređaja za pročišćavanje otpadnih voda sa aktivnim muljem upotrebom ASM1 modela. // *Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci*, **18** (2015), 69-80
- [13] Volf, Goran; Ožanić, Nevenka; Petrović, Igor
Proračun osnovnih fizičkih parametara sliva i maksimalnih protoka na slivovima Trbuhovica i Mlake upotrebom GIS-a. // *Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci*, **16** (2013), 1; 95-111
- [14] Volf, Goran
Upotreba strojnog učenja u modeliranju vodenih ekosustava. // *7. Hrvatska konferencija o vodama s međunarodnim sudjelovanjem: Hrvatske vode u zaštiti okoliša i prirode / Biondić, Danko ; Holjević, Danko ; Vizner, Marija (ur.). Zagreb: Hrvatske vode, 2019. str. 381-390*
- [15] Volf, Goran; Krvavica, Nino; Dragičević, Nevena; Žic, Elvis
Upravljanje slivnim područjem s obzirom na stanje morskog ekosustava sjevernog Jadrana. // *HIDROLOGIJA U SLUŽBI ZAŠTITE I KORIŠTENJA VODA, TE SMANJIVANJA POPLAVNIH RIZIKA – SUVREMENI TRENDovi I PRISTUPI / Rubinić, Josip ; Ivanković, Ivana ; Bušelić, Gordana (ur.). Rijeka: MIODIO, 2018. str. 123-132*
- [16] Horvat, Bojana; Karleuša, Barbara; Volf, Goran; Ožanić, Nevenka; Kisić, Ivica
Geospatial Analysis of Hydrological Response to Forest Fires in Small Mediterranean Catchments. // *International Journal of Geological and Environmental Engineering Rim, Italija, 2020. str. 1-2*
- [17] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Precali, Robert; Ožanić, Nevenka
Assessing the impacts of nutrient sources to the trophic state of the northern Adriatic. // *Eco Summit Montpellier, Fransucka, 2016.*
- [18] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Ožanić, Nevenka
Assessing the proper wastewater treatment level according to marine ecosystem status. // *ECSEA 53: Estuaries and Coastal Areas in Times of Intense Change Shangai, China, 2013.*

	<p>[19] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Ožanić, Nevenka Modelling of nutrient loading for northern Adriatic. // EGU 2011 Conference Vienna, Austria, 2011.</p> <p>[20] Volf, Goran; Atanasova, Nataša; Kompare, Boris; Precali, Robert; Ožanić, Nevenka Assessing eutrophication problems in northern Adriatic. // ISEM 2009 Conference Laval University, Quebec City, PQ, Canada, 2009.</p> <p>[21] Volf, Goran Assessment of Proper Wastewater Treatment Level according to Marine Ecosystem State (Određivanje odgovarajućeg stupnja pročišćavanja otpadnih voda s obzirom na stanje morskog ekosustava)., 2012., PhD Thesis, Faculty for Civil Engineering, Rijeka</p>
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Leader of the following research projects	-
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Participant in the following research projects	<p>[1] Scientific - Research Project „Scientific Bases for Irrigation in Republic of Croatia“ (Project manager Prof. N. Ožanić from Faculty of Civil Engineering, University of Rijeka, Coordinator Faculty of Civil Engineering, Client MSES RC)</p> <p>[2] Scientific - Research Project „Hydrology of Sensitive Water Resources in Karst“ (Project manager Prof. N. Ožanić from Faculty of Civil Engineering, University of Rijeka, Coordinator Faculty of Civil Engineering, Client MSES RC)</p> <p>[3] INTERREG III A Project “KEEP WATERS CLEAN: Monitoring of Water Status – monitoring hydrological conditions on Prezid area” (Project manager PhD. J. Rubinić from Faculty of Civil Engineering, University of Rijeka),</p> <p>[4] Croatian-Japanese collaboration Project „Risk identification and land use planning for disaster mitigation of landslides and floods in Croatia“ (Project manager Prof. N. Ožanić from Faculty of Civil Engineering, University of Rijeka)</p> <p>[5] IPA ADRIATIC Project “DRINKADRIA: Networking for Safe Drinking Water Supply in Adriatic Region“ (Project manager Prof. B. Karleuša from Faculty of Civil Engineering, University of Rijeka)</p> <p>[6] 6. HRZZ project „Influence of Summer Fire on Soil and Water Quality“ (Project manager Prof. I. Kisić from Faculty of Agriculture, University of Zagreb)</p>
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Supervision of MSc theses	-
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Supervision of PhD theses	-
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Examination of MSc theses	-
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Examination of PhD theses	1
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