

Name of teacher:	Silvija Mrakovčić
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Employed at: Since:	Faculty of Civil Engineering in Rijeka 1/5/1995
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Title: Since: In:	Assistant Professor 12/7/2014 Materials, Other
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e-mail address, web page	silvija.mrakovcic@uniri.hr
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Knowledge of foreign languages:	English, Italian, Slovenian, German
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Qualifications	<ul style="list-style-type: none">- date of birth, nationality: 12/12/1968, Rijeka, croatian- First degree obtained at: University of Rijeka, Faculty of Civil Engineering- Master degree obtained at: University of Zagreb, Faculty of Civil Engineering- Ph.D. degree obtained at: University of Zagreb, Faculty of Civil Engineering- additional education: Workshop for PhD student mentoring- previous employments:
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List of papers published in scientific journals	<p>Čandrić, Vinko; Mrakovčić, Silvija; Hrelja, Gordana Concrete Arch Bridges made of Prefabricated Segments Građevinar (0350-2465) 51 (1999), 3; 205-214</p> <p>Čandrić, Vinko; Mrakovčić, Silvija; Skazlić, Marijan New structures of large-span prefabricated arch bridges GRAĐEVINAR (0350-2465) 55 (2003), 5; 255-262</p> <p>Skazlić, Marijan; Bjegović, Dubravka; Mrakovčić, Silvija High performance fiber reinforced concrete Građevinar (0350-2465) 56 (2004), 2; 69-78</p> <p>Radić, Jure; Čandrić, Vinko; Mrakovčić, Silvija Novi pristup armiranobetonskim lučnim mostovima Role of Concrete Bridges in Sustainable Development / Ravindra K. Dhir ; Moray D. Newlands ; Michael J. McCarthy (ur.). - Bodmin, Cornwall, Great Britain : Thomas Telford Ltd , 2003. 249+cd</p> <p>Mrakovčić, Silvija; Čeh, Nina; Jugovac; Effect of aggregate grading on pervious concrete properties Građevinar 66 107-113 - 2014.</p> <p>Mrakovčić, S., Macan, K., Žuža, T.: Concrete with recycled concrete aggregate, Zbornik radova Građevinskog fakulteta Sveučilišta u Rijeci, Knjiga XVI, str., Rijeka, 2014.</p> <p>Mrakovčić, S., Klobučar, M. Krajnović, N.: Possibilities of lime sludge use in self - compacting concrete production // Građevinski fakultet u Rijeci, Zbornik radova, XVIII (2015), 33-44</p> <p>Juradin, S., Boko, I., Netinger Grubeša, I., Jozić, D., Mrakovčić, S.: Influence of harvesting time and maceration method of Spanish Broom (Spartium junceum L.) fibers on mechanical properties of reinforced cement mortar // Construction and building materials, 225 (2019), 243-255 doi:10.1016/j.conbuildmat.2019.07.207</p> <p>Bede, N., Ušić, I., Mrakovčić, S.: Effect of hybrid fibers on mechanical properties of concrete // Zbornik radova (Građevinski fakultet Sveučilišta u Rijeci), Vol. XXII No. 1, 2019., XXII (2019), 1; 11-25 doi:10.32762/zr.22.1.1</p> <p>Mrakovčić, S., Bede, N., Ušić, I.: Analysis of Chloride Penetration into High Performance Concrete, Pomorski zbornik, Winkler, 2020.</p>
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List of publications which serve as a proof of teaching qualifications	
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Leader of the following research projects	
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Participant in the following research projects	<p>1995.-2001. Scientific and research project 114 -102 „Numerical Analysis of Quasibrittle Materials“, Ministry of Science and Education, leader full professor Ivica Kožar</p> <p>2002.-2006. Scientific and research project 0114002 „Numerical Modelling of Quasibrittle Materials“, Ministry of Science and Education, leader full professor Ivica Kožar</p> <p>2006.-2008. 114-1460 "Flexible long structures: nonlinear modelling with visulisation", Ministry of Science and Education, leader full professor Ivica Kožar</p> <p>2008. - 2013. „Flexible long structures: nonlinear modelling with visulisation", Ministry of Science and Education, leader full professor Ivica Kožar</p> <p>2014. - 2018. Multi-scale concrete model with parameter identification; Researcher; HRZZ</p> <p>UNIRli-tehnic-18-108 Modelling of structures as systems with parameter and load identification", 2018. - 2020.; leader full professor Ivica Kožar</p> <p>HRZZ IP-2019-04-7926: "Separation of Parameter Influence in Engineering Modelling and Parameter Identification" – SEPAEMPI, 2020. - 2023.; leader full professor Ivica Kožar</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	
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