

Titula, ime i prezime	Prof.dr.sc. Vesna Denić-Jukić
OPĆE INFORMACIJE/ GENERAL INFORMATION	
Adresa	Matice Hrvatske 15, Split
Telefon	021/303404
E-mail adresa	vdenic@gradst.hr
Osobna web stranica	CroRIS - Osobe
Znanstveno-nastavno zvanje	Redoviti profesor u trajnom zvanju/Professor with tenure
Područje i polje izbora u znanstveno ili umjetničko zvanje	Tehničke znanosti, polje Građevinarstvo/Domain of technical sciences, field of civil engineering
PODACI O SADAŠNJEM ZAPOSLENJU/DATA ON CURRENT EMPLOYMENT	
Ustanova zaposlenja	Sveučilište u Splitu, Fakultet građevinarstva, arhitekture i geodezije, Katedra za hidrologiju/ University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Hydrology
Područje znanstvenog rada	Hidrologija, Hidrologija krša, Modeliranje otjecanja u kršu
ZNANSTVENA DJELATNOST/SCIENTIFIC COMPETENCES	
Znanstveni radovi	<p>Relevantni znanstveni radovi (2019-2023)</p> <p>Jukić, D., Denić-Jukić, V., 2023. An alternative approach to investigation of sediment transport through a karst aquifer, <i>Journal of Hydrology</i> 625, 130037.</p> <p>Kadić, A., Denić-Jukić, V., Jukić, D., 2023. Exceeding Turbidity versus Karst Spring Discharge during Single Rainfall Events: The Case of the Jadro Spring, <i>Water</i> 15(14), 2589; https://doi.org/10.3390/w15142589</p> <p>Kadić, Ana; Denić-Jukić, Vesna; Jukić, Damir, 2023. Higher-order Partial Cross-correlation Analysis Of Adjacent Karst Springs // 8th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium: Abstract Book. Prag: World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS).</p> <p>Jukić, D., Denić-Jukić, V., Kadić, A., 2022. Temporal and spatial characterization of sediment transport through a karst aquifer by means of time series analysis, <i>J. Hydrol.</i>609, 127753. https://doi.org/10.1016/j.jhydrol.2022.127753</p> <p>Jukić, D., Denić-Jukić, V., Lozić, A., 2021. An alternative method for groundwater recharge estimation in karst, <i>J. Hydrol.</i>600,126671. https://doi.org/10.1016/j.jhydrol.2021.126671</p> <p>Denić-Jukić, V., Lozić, A., Jukić, D., 2020. An Application of Correlation and Spectral Analysis in Hydrological Study of Neighboring Karst Springs, <i>Water</i> 12, 3570, http://dx.doi.org/10.3390/w12123570.</p>

Orlić, Mirko; Duplančić-Leder, Tea; Verbanac, Giuliana; Denić-Jukić, Vesna; Grbec, Branka; Horvath, Kristian; Beg Paklar, Gordana; Herak, Marijan; Herak, Davorka; Stipčević, Josip: Geodesy in Croatia, 2015-2018: Report submitted to the International Association of Geodesy of the International Association of Geodesy and Geophysics // *Geofizika*, 36 (2019), 2; 173-180

Kadić, A., Denić-Jukić, V., Jukić, D., 2019. Analiza meteoroloških i hidroloških odnosa u kršu primjenom parcijalne kros-korelacijske funkcije višeg reda, *Hrvatske vode* 27, 201-210.

Denic-Jukic, V., 2019. Hydrology and physical limnology in Croatia, 2015-2018. *GEOFIZIKA*, 36(2), pp.185-194.

Kadić, A. et al., 2019. Hydrological functioning of three karst springs located in the Cetina River catchment in Croatia, *Geophysical Research Abstracts*, EGU General Assembly, 2019.

Relevantni znanstveni radovi iz prethodnog razdoblja:

Kadić, Ana; Denić-Jukić, Vesna; Jukić, Damir, Revealing hydrological relations of adjacent karst springs by partial correlation analysis // *Hydrology Research*, 49 (2018), 3; 616-633. doi: 10.2166/nh.2017.064.

Jukić, Damir; Denić-Jukić, Vesna, Investigating relationships between rainfall and karst-spring discharge by higher-order partial correlation functions // *Journal of hydrology*, 530 (2015), 24-36. doi: 10.1016/j.jhydrol.2015.09.045.

Jukić, Damir; Denić-Jukić, Vesna, Partial spectral analysis of hydrological time series // *Journal of hydrology*, 400 (2011), 1/2; 223-233. doi: 10.1016/j.jhydrol.2011.01.044.

Jukić, Damir; Denić-Jukić, Vesna, Groundwater balance estimation in karst by using a conceptual rainfall-runoff model // *Journal of hydrology*, 373 (2009), 3-4; 302-315. doi: 10.1016/j.jhydrol.2009.04.035.

Jukić, Damir; Denić-Jukić, Vesna, Estimating parameters of groundwater recharge model in frequency domain: Karst springs Jadro and Žrnovnica Hydrological Processes, 22 (2008), 23; 4532-4542. doi: 10.1002/hyp.7057.

Jukić, Damir; Denić-Jukić, Vesna, Nonlinear kernel functions for karst aquifers // *Journal of hydrology*, 328 (2006), 360-374-x.

Jukić, Damir; Denić-Jukić, Vesna, A frequency domain approach to groundwater recharge estimation in karst // Journal of hydrology, 289 (2004), 1-4; 95-110-x.

Denić-Jukić, Vesna; Jukić, Damir, Composite transfer functions for karst aquifers // Journal of hydrology, 274 (2003), 1-4; 80-94-x

Radovi na konferencijama:

Kadić, Ana; Denić-Jukić, Vesna; Jukić, Damir, Higher-order Partial Cross-correlation Analysis of Adjacent Karst Springs // 8th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium: Abstract Book. Prag: World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), 2023, 41-41.

Kadić, Ana; Dadić, Ana; Slatina, Ivona; Duplančić-Leder, Tea; Jukić, Damir; Denić-Jukić, Vesna, Hydrological functioning of three karst springs located in the Cetina River catchment in Croatia // Geophysical Research Abstracts, EGU General Assembly, Vienna, 2019.

Jukić, Damir; Slatina, Ivona; Denić-Jukić, Vesna, EFFECTS OF HYDROPOWER RESERVOIRS ON HYDROLOGY OF TWO ADJACENT KARST SPRINGS // 18th International Multidisciplinary Scientific GeoConference SGEM, Vienna, 2018, Conference Proceedings, Volume 18, Science and Technologies in Geology, Oil and Gas Exploration, Water Resources, Forest Ecosystems, Issue:1.5, Oil and Gas Exploration, Hydrology and Water Resources, Forest Ecosystems. Sofija: SGEM, 2018, 267-274, doi: 10.5593/SGEM2018V/1.5/S02.033.

Carić, Ana; Denić-Jukić, Vesna; Jukić, Damir, Analyses of time variabilities of runoff coefficients at two neighbouring karst catchments // Geophysical Research Abstracts, EGU General Assembly, Vienna, 2018.

Jukić, Damir; Denić-Jukić, Vesna, Investigation of spatial and temporal variability of groundwater flow process by using higher-order partial correlation functions: theoretical considerations // Geophysical Research Abstracts, EGU General Assembly, Vienna, 2018.

Denić-Jukić, Vesna; Kadić, Ana; Jukić, Damir, HIGHER-ORDER PARTIAL CROSS-CORRELATION FUNCTION AS A TOOL FOR INVESTIGATING HYDROLOGICAL RELATIONS IN KARST // 17th International

Multidisciplinary Scientific GeoConference SGEM, Vienna, 2017, Conference Proceedings, Volume 17, Water Resources. Forest, Marine and Ocean Ecosystems, Issue 33, Hydrology and Water Resources, Forest Ecosystems. Sofija: SGEM, 2017, 187-194 doi: 10.5593/SGEM2017H/33/S12.023.

Jukić, Damir; Denić-Jukić, Vesna, A THEORETICAL BASIS FOR APPLICATION OF PARTIAL CORRELATION FUNCTIONS IN HYDROLOGICAL SYSTEM ANALYSIS WITH REFERENCE TO KARST // 17th International Multidisciplinary Scientific GeoConference SGEM, Vienna, 2017, Conference Proceedings, Volume 17, Water Resources. Forest, Marine and Ocean Ecosystems, Issue 33, Hydrology and Water Resources, Forest Ecosystems. Sofija: SGEM, 2017, 11-18 doi: 10.5593/sgem2017H/33/S12.002.

Kadić, Ana; Jukić, Damir; Denić-Jukić, Vesna, Study of hydrological relations between two adjacent karst springs by means of time series analysis // Aqua 2015, Hydrogeology: Back to the Future!. Roma, The International Association of Hydrogeologists, 2015.

Andrić, Ivo; Bonacci, Ognjen; Denić-Jukić, Vesna; Jukić, Damir, Hydrologic budget of the intermittent karst lake Modro jezero // Geophysical Research Abstracts Vol. 15. EGU2013-6048, 2013 EGU General Assembly, Vienna, 2013

Kapelj, Sanja; Kapelj, Janislav; Jukić, Damir; Denić-Jukić, Jasna; Švonja, Mirjana; Tepeš, Predrag; Loborec, Jelena; Dogančić, Dragana; Biondić, Božidar; Leis, Albrecht, Integral approach for the protection of the Jadro and Žrnovnica springs catchment - Dalmatia, Croatia // Sustainability of the Karst environment - Dinaric Karst and other Karst regions / Ognjen Bonacci (ur.). Gospić: Plitvička jezera: Sveučilišna tiskara, 2009, 79-80.

Jukić, Damir; Denić-Jukić, Vesna; Teskera, Ivan, Groundwater recharge estimation in karst by combining soilmoisture and groundwater balance approaches: example of the Jadro Spring, Croatia // International Interdisciplinary Conference on Predictions for Hydrology, Ecology and Water Resources Management: Using Data and Models to Benefit Society / Jyri Bruthans, Karel

Znanstveni i drugi projekti	<p>Bilanca voda i modeliranje otjecanja u kršu (šifra: 083-0831510-1513)-voditelj</p> <p>Identifikacija i modeliranje hidrološkog krškog sistema, MZOŠ, šifra: 2-11-011-suradnik</p> <p>Hidrološka analiza malih voda i suša u kršu, MZOŠ, 083171-suradnik</p> <p>Analiza hidroloških i ekoloških karakteristika suša, MZOŠ, 0083101-suradnik</p> <p>Proučavanje ekstremnih hidroloških situacija i vodnih rizika u kršu.-suradnik</p> <p>Implementacijom suvremene znanstvenoistraživačke infrastrukture na FGAG Split do pametne specijalizacije u zelenoj i energetske učinkovitoj gradnji KK.01.1.1.02.0027 – suradnik</p> <p>Razvoj i priprema Hrvatskog kvalifikacijskog okvira u području visokog obrazovanja građevinskih inženjera – voditelj radne skupine</p>
------------------------------------	--