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Znanstveno-nastavno/nastavno zvanje: Datum zadnjeg izbora: Grana, područje izbora:	Izvanredni profesor 2021. Geotehnika, Građevinarstvo, Tehničke znanosti
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Poznavanje stranih jezika	Engleski
Životopis	<ul style="list-style-type: none"> - rođenje, državljanstvo: 28.08.1983., hrvatsko - fakultet: Građevinski fakultet, Sveučilište u Rijeci - doktorat: Građevinski fakultet, Sveučilište u Rijeci, 2014. „Behaviour of laterally loaded piles in sandy gravels“ - dodatno obrazovanje: <ul style="list-style-type: none"> - Summer School Numerical Modelling, 2024. University of Innsbruck, Austria - MPM Training course, 2016. University of Cambridge, United Kingdom - podaci o prethodnim zaposlenjima: <ul style="list-style-type: none"> - Docent: 2016. – 2021. Građevinski fakultet, Sveučilište u Rijeci - Postdoktorand: 2014. – 2016. Građevinski fakultet, Sveučilište u Rijeci - Asistent: 2007. – 2014. Građevinski fakultet, Sveučilište u Rijeci
Popis radova objavljenih u znanstveno-istraživačkim časopisima	<p>Jagodnik, V. and Sulovsky, T., 2025. Degradation of fully saturated uniform sand subjected to small-strain undrained cyclic shearing. <i>Journal of Rock Mechanics and Geotechnical Engineering</i>. https://doi.org/10.1016/j.jrmge.2025.02.012</p> <p>Marušić, D. and Jagodnik, V., 2025. Atterberg limits determination and soil classification using Fall cone device on the silty sands and sandy silts. <i>International Journal of Geotechnical Engineering</i>, pp.1-10.</p> <p>Marušić, D. and Jagodnik, V., 2023. Determination of the Atterberg limits using a Fall cone device on low plasticity silty sands. <i>Rudarsko-geološko-naftni zbornik</i>, 38(3), pp.133-145</p> <p>Jagodnik, V. and Arbanas, Ž., 2022. Cyclic behaviour of uniform sand in drained and undrained conditions at low confining stress in small-scale landslide model. <i>Sustainability</i>, 14(19), p.12797.</p> <p>Pajalić, S., Peranić, J., Maksimović, S., Čeh, N., Jagodnik, V. and Arbanas, Ž., 2021. Monitoring and data analysis in small-scale landslide physical model. <i>Applied Sciences</i>, 11(11), p.5040.</p> <p>Jagodnik, P., Gazibara, S.B., Jagodnik, V. and Arbanas, S.M., 2020. Types and distribution of Quaternary deposits originating from carbonate rock slopes in the Vinodol Valley, Croatia—new insight using airborne</p> <p>Jagodnik V, Kraus I, Ivanda S, Arbanas Ž. Behaviour of Uniform Drava River Sand in Drained Condition—A Critical State Approach. <i>Applied Sciences</i> 2020;10:5733. http://dx.doi.org/10.3390/app10175733</p> <p>Jagodnik P, Jagodnik V, Arbanas Ž, Mihalić Arbanas S. Landslide types in the Slani Potok gully, Croatia. <i>Geologia Croatica</i>. 2020;73(1):13-28. https://doi.org/10.4154/gc.2020.04</p> <p>Jagodnik, V., Arbanas, Ž. - Testing of laterally loaded piles in natural sandy gravels. <i>International Journal of Physical Modelling in Geotechnics</i> 15 (4), 191-208. 2015.</p> <p>Jagodnik, V., Jelenić, G., Arbanas, Ž - On application of mixed finite-element approach to beam–soil interaction. <i>Acta Geotechnica Slovenica</i> 10 (2), 15-27. 2013.</p>

**Popis radova koji
nastavnika
kvalificiraju za
izvođenje nastave**

Jagodnik, V. and Sulovsky, T., 2025. Degradation of fully saturated uniform sand subjected to small-strain undrained cyclic shearing. *Journal of Rock Mechanics and Geotechnical Engineering*. (accepted for publishing).

Marušić, D. and Jagodnik, V., 2025. Atterberg limits determination and soil classification using Fall cone device on the silty sands and sandy silts. *International Journal of Geotechnical Engineering*, pp.1-10.

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<p>Popis znanstveno-istraživačkih projekata u svojstvu voditelja</p>	<p>Physical and laboratory tests of interparticle behavior of sand and clay mixtures at low overburden stresses (uniri-iskusni-tehnic-23-212) - 2023</p> <p>Laboratory research of static and cyclic behaviour at landslide activation (uniri-tehnic-18-113) - 2018</p>
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<p>Popis znanstveno-istraživačkih projekata u svojstvu suradnika</p>	<p>Landslides and erosion as mutual geological hazards in flysch environments (uniri-iskusni-tehnic-23-191) - 2023</p> <p>Physical modelling of landslide remediation constructions behaviour under static and seismic actions (ModLandRemSS)</p> <p>Inicijalno-rubni problemi u istraživanju modela mikropolarnog kontinuuma (UNIRI) 2017</p> <p>Laboratory testing and numerical modelling of landslides in flysch deposits in Croatia and Slovenia Study of landslides in flysch deposits: sliding mechanisms and geotechnical properties for landslide modelling and mitigation (SoLiFlyD)</p> <p>Razvoj sustava monitoringa klizišta i ranog upozoravanja za potrebe umanjavanja hazarda od klizanja tla</p> <p>Study of landslides in flysch deposits of North Istria, Croatia: sliding mechanisms, geotechnical properties, landslide modelling and landslide susceptibility</p> <p>Risk identification and land-use planning for disaster mitigation of landslides and floods in Croatia, 2009 – 2014.</p>
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Broj mentorstava na doktorskim radovima	1
Broj članstava u komisijama za ocjenu i obranu doktorskih radova	3