

Name of teacher:	Petra Jagodnik
Employed at: Since:	University of Rijeka, Faculty of Civil Engineering 15.6.2011.
Academic rank: Since: In:	Assistant Professor 1.4.2022. Technical sciences; Mining, petroleum and geological engineering
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Knowledge of foreign languages:	English
Qualifications	- date of birth, nationality: 10.2.1981., Croatian - First degree obtained at: Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb - Ph.D. degree obtained at: Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb - additional education: - previous employments: 18.3.2008. – 14.6.2011. Institut IGH d.d.
List of papers published in scientific journals	Jagodnik, P., Bernat Gazibara, S., Jagodnik, V., Mihalić Arbanas, S. (2020): Types and distribution of Quaternary deposits originating from carbonate rock slopes in the Vinodol Valley, Croatia – new insight using airborne LiDAR data. Rudarsko-geološko-naftni zbornik, 35/4, 57-77. doi: 10.17794/rgn.2020.4.6 Jagodnik, P., Bernat Gazibara, S., Arbanas, Ž., Mihalić Arbanas, S. (2020): Engineering geological mapping using airborne LiDAR datasets - an example from the Vinodol Valley, Croatia. Journal of Maps, 16/2, 856-867. doi: 10.1080/17445647.2020.1831980 Jagodnik, P., Jagodnik, V., Arbanas, Ž., Mihalić Arbanas, S. (2020): Landslide types in the Slani Potok gully. Geologia Croatica, xxx, doi:10.4154/gc.2020.04 Đomlija, P., Bernat Gazibara, S., Arbanas, Ž., Mihalić Arbanas, S. (2019): Identification and Mapping of Soil Erosion Processes Using the Visual Interpretation of LiDAR Imagery. ISPRS International Journal of Geo-Information, 8, 438. doi: 10.3390/ijgi8100438 Vivoda, M., Benac, Č., Žic, E., Đomlija, P., Dugonjić Jovančević, S. (2012): Geohazard u dolini Rječine u prošlosti i sadašnjosti. Hrvatske vode: časopis za vodno gospodarstvo 20(81), 105-116.
List of publications which serve as a proof of teaching qualifications	Jagodnik, P., Bernat Gazibara, S., Fiorucci, F., Santangelo, M. (2024): Interpretation challenges when detecting landslides in flysch environment: examples from visual analysis of LiDAR DTM in the City of Buzet. In: Proceedings of the 6th Regional Symposium on Landslides in the Adriatic-Balkan Region, Belgrade, Serbia, 99-106. doi:10.18485/resylab.2024.6.ch12 Jagodnik, P., Bernat Gazibara, S., Jagodnik, V., Mihalić Arbanas, S. (2020): Types and distribution of Quaternary deposits originating from carbonate rock slopes in the Vinodol Valley, Croatia – new insight using airborne LiDAR data. Rudarsko-geološko-naftni zbornik, 35/4, 57-77. doi: 10.17794/rgn.2020.4.6 Jagodnik, P., Bernat Gazibara, S., Arbanas, Ž., Mihalić Arbanas, S. (2020): Engineering geological mapping using airborne LiDAR datasets - an example from the Vinodol Valley, Croatia. Journal of Maps, 16/2, 856-867. doi: 10.1080/17445647.2020.1831980 Jagodnik, P., Jagodnik, V., Arbanas, Ž., Mihalić Arbanas, S. (2020): Landslide types in the

	Slani Potok gully. <i>Geologia Croatica</i>, xxx, doi:10.4154/gc.2020.04 Domlija, P., Bernat Gazibara, S., Arbanas, Ž., Mihalić Arbanas, S. (2019): Identification and Mapping of Soil Erosion Processes Using the Visual Interpretation of LiDAR Imagery. <i>ISPRS International Journal of Geo-Information</i>, 8, 438. doi: 10.3390/ijgi8100438
Leader of the following research projects	2024–recent: UNIRI scientific project <i>Landslides and erosion as associated geological hazards in flysch environment</i>
Participant in the following research projects	2024–recent: Interreg Italija-Croatia project <i>Climate RESiliEnt COastal planning in Adriatic</i>, CRESCO Adria 2024–recent: UNIRI project <i>Fizikalna i laboratorijska ispitivanja međučestičnog ponašanja mješavina pijeska i gline pri malim geostatičkim naprezanjima</i> 2020-2023: scientific project <i>Methodology development for landslide susceptibility assessment for land-use planning based on LiDAR technology</i>, LandSlidePlan (HRZZ IP-2019-04-9900) 2020-2023: Scientific project <i>Applied landslide research for development of risk mitigation and prevention measures</i>, PRI-MJER (KK.05.1.1.02.0020) 2018-2021: IPL projekt <i>Rockfall Hazard Identification and Rockfall Protection in the Coastal Zone of Croatia</i> 2016-2017: UNIRI project <i>Razvoj sustava monitoringa klizišta i ranog upozoravanja za potrebe umanjenja hazarda od klizanja tla</i> 2014-2016: UNIRI project <i>Geohazard u području Kvarnera</i> 2011-2014: bilateral Croatian-Japanese project <i>Risk Identification and Land-Use Planning for Disaster Mitigation of Landslides and Floods in Croatia</i>
Supervision of PhD theses	0
Examination of PhD theses	1