

Name of teacher:	Martina Vivoda Prodan
Employed at: Since:	University of Rijeka, Faculty of Civil Engineering 01.10.2010.
Scientific-teaching / teaching title: Date of last election: Branch, selection area:	Assistant professor 2018. Geotechnical Engineering, Engineering mechanics
e-mail address, web page	martina.vivoda@gradri.uniri.hr , https://portal.uniri.hr/portfelj/1769
Knowledge of foreign languages:	English
Qualifications	<ul style="list-style-type: none"> - date of birth, nationality: February 5th 1984, Croatian - First degree obtained at: Faculty of Civil Engineering University of Rijeka (2007) - Ph.D. degree obtained at: Faculty of Civil Engineering University of Rijeka (2016) - previous employments: Institut građevinarstva Hrvatske (2007-2010)
List of papers published in scientific journals	<ul style="list-style-type: none"> ➤ Benac, Č.; Dugonjić, S.; Vivoda, M.; Oštrić, M.; Arbanas, Ž. (2011) A complex landslide in the Rječina Valley: results of monitoring 1998-2010. <i>Geologia Croatica : Journal of the Croatian Geological Survey and the Croatian Geological Society</i>. 64, 3; 239-249. ➤ Vivoda, M.; Benac, Č.; Žic, E.; Đomlija, P.; Dugonjić Jovančević, S. (2012) Geohazard u dolini Rječine u prošlosti i sadašnjosti // <i>Hrvatske vode : časopis za vodno gospodarstvo</i>, 20, 81; 105-116 ➤ Prodan Vivoda, M., Arbanas, Ž. (2016) Weathering Influence on Properties of Siltstones from Istria, Croatia. <i>Advances in Materials Science and Engineering</i>, 3073202; 1-15, doi: 10.1155/2016/3073202. ➤ Vivoda Prodan, M., Mileusnić, M., Mihalić Arbanas, S., Arbanas, Ž. (2017) Influence of weathering processes on the shear strength of siltstones from a flysch rock mass along the northern Adriatic coast of Croatia. <i>Bulletin of engineering geology and the environment</i>; 76, 2, 695-711. doi: 10.1007/s10064-016-0881-7
List of publications which serve as a proof of teaching qualifications	<ul style="list-style-type: none"> ➤ Vivoda Prodan, M.; Dugonjić Jovančević, S.; Arbanas, Ž. (2018) TXT-tool 3.385-1.3: Landslide Occurrence Prediction in the Rječina River Valley as a Base for an Early Warning System // <i>Landslide Dynamics: ISDR-ICL Landslide Interactive Teaching Tools / Sassa, Kyoji ; Tiwari, Binod ; Liu, Ko-Fei ; McSaveney, Eileen ; Strom, Alexander ; Setiawan, Hendy (ur.)</i>. Cham: Springer, 263-275. doi:10.1007/978-3-319-57777-7_13 ➤ Setiawan H., Sassa K., Dang K., Maja M., Takara K., Vivoda M., (2018) TXT-tool 3.081-1.6: Manual for the Undrained Dynamic-Loading Ring-Shear Apparatus, <i>Landslide Dynamics: ISDR-ICL Landslide Interactive Teaching Tools. Volume 2: Testing, Risk Management and Country Practices</i>, 321-350, doi: 10.1007/978-3-319-57777-7_18 ➤ Arbanas, Ž.; Mihalić Arbanas, S.; Vivoda Prodan, M.; Peranić, J.; Dugonjić Jovančević, S.; Jagodnik, V. (2018) TXT-tool 2.385-1.2: Landslide Comprehensive Monitoring System: The Grohovo Landslide Case Study, Croatia // <i>Landslide Dynamics: ISDR-ICL Landslide Interactive Teaching Tools. Volume 1: Fundamentals, Mapping and Monitoring / Sassa, Kyoji ; Guzzetti, Fausto ; Yamagishi, Hiromitsu ; Arbanas, Željko ; Casagli, Nicola ; McSaveney, Mauri ; Dang, Khang (ur.)</i>. Cham: Springer, 465-478 doi:10.1007/978-3-319-57774-6_35 ➤ Dugonjić Jovančević, S.; Arbanas, Ž.; Vivoda, M.; Peranić, J.; Đomlija, P. (2017) Landslide hazard and risk assessment in Istria, Croatia // <i>Proceedings of the 2nd Regional Symposium on Landslides in the Adriatic-Balkan Region / Abolmasov, B. ; Marjanović, M. ; Đurić, U. (ur.)</i>. Beograd: University of Belgrade, Faculty of Mining and Geology, 117-121

- Arbanas, Ž.; Mihalić Arbanas, S.; Vivoda Prodan, M.; Peranić, J.; Sečanj, M.; Bernat Gazibara, S.; Krkač, M. (2017) Preliminary Investigations and Numerical Simulations of a Landslide Reactivation // Advancing culture of living with landslides, Vol 2. Advances in Landslide Science / Mikoš, Matjaž ; Tiwari, Binod ; Yin, Yueping ; Sassa, Kyoji (ur.). Cham: Springer, 649-657
- Arbanas, Ž., Vivoda, M., Mihalić Arbanas, S., Peranić, J., Sečanj, M., Bernat, S., Krkač, M. (2017) Analysis of a reservoir water level impact on landslide reactivation, Proceedings of the 2nd Regional Symposium on Landslides in the Adriatic-Balkan Region, Belgrade, Republic of Serbia, 14-16 May 2015, C1-C6
- Dugonjić Jovančević, S., Arbanas, Ž., Vivoda, M., Peranić, J., Đomlija, P. (2017) Landslide hazard and risk assessment in Istria, Croatia, Proceedings of 2nd Regional Symposium on Landslides in the Adriatic-Balkan Region, Belgrade, Republic of Serbia, 14-16 May 2015, 117-121
- Mihalić Arbanas, S., Arbanas, Ž., Krkač, M., Bernat Gazibara, S., Vivoda Prodan, M., Đomlija, P., Jagodnik, V., Dugonjić Jovančević, S., Sečanj, M., Peranić, J. (2017) Landslide Risk Reduction in Croatia: Scientific research in the framework of the WCoE 2014- 2017, IPL 173, IPL 184, ICL ABN. Advancing Culture of Living with Landslides. Vol. 1 ISDR-ICL Sendai Partnership 2015-2025, Sassa, K., Mikoš, M., Yin, Y.(ur.), Springer, 301-312
- Arbanas, Ž., Mihalić Arbanas, S., Sassa, K., Marui, H., Fukuoka, H., Krkač, M., Vivoda Prodan, M., Bernat Gazibara, S., Đomlija P. (2017) The Croatian-Japanese SATREPS Joint Research Project on Landslides (IPL-161). Advancing Culture of Living with Landslides. Vol. 1 ISDR-ICL Sendai Partnership 2015-2025, Sassa, K., Mikoš, M., Yin, Y.(ur.), Springer, 395-409
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- Arbanas, Ž., Mihalić Arbanas, S., Vivoda Prodan, M., Peranić, J., Sečanj, M., Bernat Gazibara, S., Krkač M. (2017) Preliminary Investigations and Numerical Simulations of a Landslide Reactivation. Advancing culture of living with landslides, Vol 2. Advances in Landslide Science, Mikoš, M., Tiwari, B., Yin, Y. Sassa, K.(ur.), Springer, 649-657
- Zuljani D., Peranić J., Vivoda M. (2015) Parametric analysis of anchored bored pile wall as a part of landslide stabilization measures on the Grohovo road landslide, Croatia, Georeks IX-th conference proceedings: Geotechnical engineering design and practice, Sofia, Bugarska., 45-50
- Vivoda, M.; Šverko, I.; Arbanas, Ž. (2014) Određivanje značajki prašinastih materijala iz naslaga fliša. Zbornik radova Sveučilišta u Rijeci KNJIGA XVII, 27, 9-2
- Arbanas, Ž., Mihalić Arbanas, S., Vivoda, M., Peranić, J., Dugonjić Jovančević, S., Jagodnik, V. (2014) Identification, monitoring and simulation of landslides in the Rječina River Valley, Croatia, Proceedings of the SATREPS Workshop on Landslide Risk Assessment Technology, Hanoi, Vietnam, 29-30 July 2014, 200-213
- Arbanas, Ž., Vivoda, M., Kursar, P. (2014) Pit excavation for underground construction in an urban area near an old tunnel, Proceedings of Eurock 2014, Rock Engineering and Rock Mechanics: Structures in and on Rock Masses, Vigo, Spain, 27-29 May 2014, 1105-1110, DOI: 10.1201/b16955-190
- Benac, Č., Dugonjić Jovančević, S., Ružić, I., Vivoda, M., Peranić, J. (2014) Marine erosion and slope movements: SE coast of the Krk Island, 3rd World Landslide Forum: Landslide Science for a Safer Geoenvironment, Volume 3: Targeted Landslides, Beijing, China, 2-6 June 2014, 563-567, DOI: 10.1007/978-3-319-04996-0_86 (Scopus)
- Arbanas, Ž., Sassa, K., Nagai, O., Jagodnik, V., Vivoda, M., Dugonjić Jovančević, S., Peranić, J., Ljutić, K. (2014) A landslide monitoring and early warning system using integration of GPS, TPS and conventional geotechnical monitoring methods, 3rd World Landslide Forum: Landslide Science for a Safer Geoenvironment, Volume 2: Methods of Landslide Studies, Beijing, China, 2-6 June 2014, 631-636, DOI: 10.1007/978-3-319-05050-8_98 (Scopus)

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- Arbanas, Ž., Mihalić Arbanas, S., Vivoda, M., Martinović, K., Bernat, S. (2014) Landslide Knowledge Exchange Through the Regional Cooperation in the Adriatic-Balkan Region, 3rd World Landslide Forum: Landslide Science for a Safer Geoenvironment, Volume 1: The International Programme on Landslides (IPL), Beijing, China, 2-6 June 2014, 199-208, DOI: 10.1007/978-3-319-04999-1_25
- Dugonjić Jovančević, S., Vivoda, M., Arbanas, Ž. (2014) Landslide susceptibility assessment on slopes in flysch deposits: A deterministic approach, Proceedings of XII IAEG Congress, Engineering Geology for Society and Territory, Volume 2: Landslide processes, Torino, Italy, 15-19 September 2014, 1615-1618, DOI: 10.1007/978-3-319-09057-3_287 (Scopus)
- Arbanas, Ž., Jagodnik, V., Ljutić, K., Vivoda, M., Dugonjić Jovančević, S., Peranić, J. (2014) Remote monitoring of a landslide using an integration of GPS, TPS and conventional geotechnical monitoring methods, Proceedings of 1st Regional Symposium on Landslides in the Adriatic-Balkan Region "Landslide and Flood Hazard Assessment", Zagreb, Croatia, 6-9 March 2013, 39-44
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- Ljutić, K., Jagodnik, V., Vivoda, M., Dugonjić Jovančević, S., Arbanas, Ž. (2014) The Grohovo Landslide Monitoring System - Experiences from 18 months period of monitoring system operating, Proceedings of 1st Regional Symposium on Landslides in the Adriatic-Balkan Region "Landslide and Flood Hazard Assessment", Zagreb, Croatia, 6-9 March 2013, 45-50
- Oštrić, M., Sassa, K., Ljutić, K., Vivoda, M., He, B., Takara, K. (2014) Manual of transportable ring shear apparatus, ICL- 1, Proceedings of 1st Regional Symposium on Landslides in the Adriatic-Balkan Region "Landslide and Flood Hazard Assessment", Zagreb, Croatia, 6-9 March 2013, 1-4
- Vivoda, M., Dugonjić Jovančević, S., Arbanas, Ž. (2014) Landslide Occurrence Prediction in the Rječina River Valley as a Base for an Early Warning System, Proceedings of 1st Regional Symposium on Landslides in the Adriatic-Balkan Region "Landslide and Flood Hazard Assessment", Zagreb, Croatia, 6-9 March 2013, 85-90
- Žic, E., Vivoda, M., Benac, Č. (2014) Uzroci i posljedice regulacije toka Rječine, Proceedings of 5th International conference on industrial heritage thematically related to Rijeka and the industrial building heritage - architecture and civil engineering heritage, Rijeka, Croatia, 25-26 May 2014., 771-797
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- Arbanas, Ž., Dugonjić S., Vivoda M., Jagodnik V. (2011) Landslide affected with an open pit excavation in flysch deposit, Proceedings of the 15th European conference on soil mechanics and geotechnical engineering, Athens, Greece, 12-15 September 2011, 1319-1324
- Arbanas, Ž., Mihalić S., Grošić M., Dugonjić S., Vivoda M. (2010) Landslide Brus, translational block sliding in flysch rock mass, ISRM International Symposium EUROCK 2010: Rock Mechanics in Civil and Environmental Engineering, EPFL, Lausanne, Switzerland, 15-18 June 2010, 635-638
- Arbanas, Ž., Vivoda, M., Pavlič, V., Đomlija, P., Briški, G. (2009) Case history of open pit excavation for Sport Hall Zamet, Proceedings of EUROCK 2009, Cavtat, Croatia, 29-31 October 2009, 751-756
- Dugonjić, S., Vivoda, M., Jagodnik, V. (2009) Landslide affected with an open pit excavation, Proceedings of 4th International Young Geotechnical Engineering Conference (4iYGEC), Alexandria, Egypt, 3-6 October 2009, 143-146

	<ul style="list-style-type: none"> ➤ Grošič, M., Arbanas, Ž., Vivoda, M. (2008) Izvedba građevnih jama u turističkom naselju „Novi resort“ u Novom Vinodolskom, Proceedings of 5th Conference of Slovenian geotechnics, 9th Šuklje day, 12-14 June 2008, Nova Gorica, Slovenia, 201-212
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Leader of the following research projects	
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Participant in the following research projects	<ul style="list-style-type: none"> ➤ Croatian-Japanese bilateral project: Risk Identification and Land-Use Planning for Disaster Mitigation of Landslides and Floods in Croatia (leader: prof.dr.sc. Željko Arbanas) (2009-2014). ➤ Croatian-Slovenian bilateral project: Study of landslides in flysch deposits: sliding mechanisms and geotechnical properties for landslide modeling and mitigation (leader: prof.dr.sc. Željko Arbanas) (2014-2015). ➤ UNIRI project: Development of the landslide monitoring and early warning system for the purpose of landslide hazard mitigation (leader: prof.dr.sc. Željko Arbanas) (2014-2018). ➤ Croatian-Slovenian bilateral project: Laboratory testing and numerical modelling of landslides in flysch deposits in Croatia and Slovenia (leader: prof.dr.sc. Željko Arbanas) (2016-2017). ➤ IPL-184 project: Study of landslides in flysch deposits of North Istria, Croatia: sliding mechanisms, geotechnical properties, landslide modeling and landslide susceptibility (leader: prof.dr.sc. Željko Arbanas) (2012-2016) ➤ IPL-219 project: Rockfall Hazard Identification and Rockfall Protection in The Coastal Zone of Croatia (leader: prof.dr.sc. Željko Arbanas) (2017-2021). ➤ UNIRI project: Istraživanje procesa i procjena hazarda od odrona u stijenskoj masi (leader: prof.dr.sc. Željko Arbanas) (2019-2021). ➤ UNIRI project: Laboratory research of static and cyclic behaviour at landslide activation (leader: assistant prof.dr.sc. Vedran Jagodnik) (2019-2021). ➤ Project of Croatian Science Foundation Research Projects: Physical modelling of landslide remediation constructions behaviour under static and seismic actions (ModLandRemSS) (leader: prof.dr.sc. Željko Arbanas) (2018-2022).
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Supervision of MSc theses	0
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Supervision of PhD theses	0
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Examination of MSc theses	0
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Examination of PhD theses	1
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