



PERSONAL INFORMATION

Slobodan Živaljević



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Sex male | Date of birth 28 Feb 1979

RADNO ISKUSTVO/
WORK EXPERIENCE

2022 - present	Vanredni profesor / Associate professor University of Montenegro (UoM) [www.ucg.ac.me] Faculty of Civil Engineering (FCE) [www.gf.ac.me] Podgorica, Montenegro Vanredni profesor na grupi predmeta iz geotehnike / Associate Professor in courses from the domain of geotechnics.
2017 - 2022	Docent/Assistant Professor University of Montenegro (UoM) [www.ucg.ac.me] Faculty of Civil Engineering (FCE) [www.gf.ac.me] Podgorica, Montenegro ▪ Docent na grupi predmeta iz geotehnike / Assistant Professor in courses from the domain of geotechnics.
2003 - 2017	Saradnik u nastavi/Teaching Assistant University of Montenegro (UoM) [www.ucg.ac.me] Faculty of Civil Engineering (FCE) [www.gf.ac.me] Podgorica, Montenegro ▪ Saradnik u nastavi na grupi predmeta iz Geotehnike / Teaching Assistant in courses from the domain of: geotechnics.

OBRAZOVANJE/
EDUCATION AND TRAINING

2009 - 2015	PhD (Dr – Doctor) Faculty of Civil Engineering, University of Montenegro (Montenegro) ▪ Specijalizacija/Specialisation: Mehanika stijena / Rock mechanics ▪ Doktorska disertacija/PhD Thesis: Relaksacione komponente vremenski zavisnih deformacija meke stijene oko tunelskog otvora / Relaxation components of time-dependent deformations of soft rock around a tunnel opening (dugoročna eksperimentana i teorijska istraživanja uključujući modelovanje primjenom Metode konačnih elemenata /extensive experimental and theoretical research, including creep test in duration of three years)	EQF level 8
2003 - 2009	MSc (Mr – Magistar) Faculty of Civil Engineering, University of Belgrade (Serbia) ▪ Specijalizacija/Specialisation: Geotehnika/Geotechnics ▪ Struktura/Structure: 9 courses/exams (4 semesters) + MSc Thesis Stabilizacija kosina primenom šipova / Slope stabilization using piles ▪ Magistarski rad / MSc Thesis:	EQF level 7
1997 - 2003	BSc (Dipl.Ing) Faculty of Civil Engineering, University of Montenegro (Montenegro)	EQF level 6

- Specijalizacija/Specialisation: Konstrukcije/Structures
- Struktura/Structure: 34 courses/exams (8+1 semesters) + Final/Diploma project (1 semester)
 - Final/Diploma project: Analiza stanja naponai deformacija oko kružnog tunelskog otvora pri naponski zavisnim elastičnim modulima / Analysis of the stress-strain state around the circular tunnel opening at the stress-dependent elastic moduli

PERSONALNE VJEŠTINE/

PERSONAL SKILLS

Maternji jezik/Mother tongue(s) Montenegrin / Serbo-Croatian

Ostali jezici/Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	A2	A2	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages

Komunikacione vještine/

Communication skills

- Good communication skills gained through teaching experience, through participation in numerous conferences (national and international), as well as through participation in university exchange programmes that enabled me to live for a few months in different countries, in different national, cultural and religious surroundings.
- Good ability to adapt to new environment and to cooperate with new people.

Computer skills

- AutoCAD, ArchiCad, Photoshop, Tower, ArmCad, MS Office, Phase2, Flac,
- Slide, programming languages PASCAL, BASIC

Ostale vještine

/ Other skills

- Professional skills:
- familiar with structural engineering laboratory techniques and methods,
 - rich experience in experimental testing of structures and materials.

DODATNE INFORMACIJE/

ADDITIONAL INFORMATION

Scientific-research projects

- *Project name: Geotechnical laboratory set-up (2010). Position: Project Associate. Project Manager: prof. Radomir Zejak, PhD. Project status: completed. Outcome: equipment for soil properties testing has been provided, approx. value EUR 60 000.*
- *Project name: Analysis of the time-dependent deformations of soft rock (2011). Position: Associate at scientific research project. Project Manager: prof. Zvonko Tomanovic, PhD. Project duration: three years. Project status: completed*
- *Project name: "Influence of rockfall in hard rocks on security of traffic in Montenegro" Position: Project manager. Project status: in progress.*

PREGLED NAJVAŽNIJIH REFERENCI /
KEY PUBLICATIONS

1.2. Radovi objavljeni u časopisima / Publications in journals

1.2.1. Radovi koji se nalaze u časopisima koji se nalaze u međunarodnim bazama podataka (SCI) / Paper that are in the journals contained in international databases (SCI)

1. **Živaljević S**, Tomanović Z, Miladinović B (2018) Creep behaviour of a layered soft rock around the tunnel opening. Special Issue: XVI DECGE 2018 Proceedings of the 16th Danube - European Conference on Geotechnical Engineering, Volume 2, Issue 2-3, pp 1057-1062, <https://doi.org/10.1002/cepa.812>
2. J. Kozubal, Z. Tomanovic, **S. Zivaljevic**, (2016): **The soft rock socketed monopile with creep effects – a reliability approach based on wavelet neural networks**, Archives of Mining Sciences, Volume 61 (3), p 571-585, ISSN 0860-7001.
3. **S. Živaljević & Z. Tomanović**, (2015) „Experimental research of the effects of pre-consolidation on the time-dependent deformations – creep of marl“, Mechanics of Time Dependent materials, ISSN: 1385-2000 (MTDM-D-14-00040R1, DOI: 10.1007/s11043-014-9250-8). February 2015, Volume 19, Issue 1, pp 43-59.
4. Z. Tomanović, B. Miladinović, **S. Zivaljevic** (2014) „Criteria for defining the required duration of the creep test“, Canadian Geotechnical Journal, ISSN 0008-3674, 52(7): 883-889, <https://doi.org/10.1139/cgj-2014-0097>
5. Zivaljevic, S., Tomanovic, Z. & Radulovic, M. Analysis of the triggering mechanism of landslide in the village Podi, Montenegro. Arab J Geosci 14, 56 (2021). <https://doi.org/10.1007/s12517-020-06285-8>, Electronic ISSN1866-7538, Print ISSN 1866-7511
6. Zivaljevic, S., Tomanovic, Z. Loading history effect on time-dependent deformations after unloading – reversible creep of soft rock (marl). Mech Time-Depend Mater (2021). <https://doi.org/10.1007/s11043-021-09498-w>, Electronic ISSN 1573-2738, Print ISSN 1385-2000
7. Živaljević, S., Tomanović, Z., Miladinović, B.: Deformation anisotropy of soft rock, GRAĐEVINAR, 75 (2023) 2, pp. 129-141, doi: <https://doi.org/10.14256/JCE.3266.2021>

1.2.1. Radovi objavljeni u časopisima koji imaju redovnu međunarodnu distribuciju i rezime na stranom jeziku / Papers published in journals have regular international distribution and summary in a foreign language

8. Ratimir Zivaljevic, Radenko Pejovic, **Slobodan Zivaljevic**, Limiting factors for utilization of the remaining technically feasible hydropower potential of montenegro and projected key hydropower concepts, AJNTS The Albanian journal of natural and technical sciences, 2006., November, pp. 191-204, ISSN 2074-0867.
9. Ratimir Zivaljevic, **Slobodan Zivaljevic**, State of utilization of the hydropower potential of Montenegro with the existing hydropower plants, Bulaqua 1/2007, Journal of Bulgarian Water Association (BWA), 2007, pp.41-51, ISSN 1312-3912.

1.3. Radovi na kongresima, simpozijumima i seminarima / Papers on congresses, symposiums and seminars

1.3.1. Radovi na međunarodnim kongresima, simpozijumima i seminarima / Papers at international conferences, symposia and seminars

10. M.Delić, S. Živaljević, Z. Tomanović: Computation of the lateral bearing capacity of vertical piles using a threedimensional wedge model, Proceedings of the 17th Danube European Conference on Geotechnical Engineering (17DECGE) June 7-9, 2023, Bucharest, România
11. Zivaljevic S., Tomanovic Z., Radulovic M. (2022) Analysis of the Causes of Landslide in the Village Podi, Montenegro. In: El-Askary H., Erguler Z.A., Karakus M., Chaminé H.I. (eds) Research Developments in Geotechnics, Geo-Informatics and Remote Sensing. CAJG 2019. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham. https://doi.org/10.1007/978-3-030-72896-0_4, pp.17-21, Online ISBN 978-3-030-72896-0, Print ISBN 978-3-030-72895-3
12. S. Živaljević, N. Međedović, M. Buijišić, Z. Tomanović: Deep landslide in the jointed flysch sediments on the Bar-Boljare Highway, Montenegro, 5th Regional Symposium on Landslides in the Adriatic-Balkan Region, Rijeka, Croatia, 23-26 March 2022.
13. Miodrag Buijišić, Slobodan Živaljević, Zvonko Tomanović (2021) Ispitivanje karakteristika diskontinuiteta na uzorcima meke stijenske mase pod dejstvom kratkotrajnog opterećenja, Zbornik radova međunarodno naučno-stručnog savetovanja, Zemljotresno inženjerstvo i geotehnički aspekti građevinarstva, Vrnjačka Banja, 03.-05. novembar 2021, pp 335-344.
14. Đurišić Z, **Živaljević S** (2020) Soil compaction control - correlation between methods. Seventh International conference civil engineering -science and practice Kolašin, 10-14 march, ISBN 9788682707325, pp 957-964
15. Miladinović B, **Živaljević S** (2020) Determining seismic lateral earth pressure on the RC retaining structure with canteliver and completely earth embedded elements. Seventh International conference civil engineering -science and practice Kolašin, 10-14 march, ISBN 9788682707325, pp 957-964
16. Tomanović Z, Živaljević S & Miladinovi B (2017) Landslide “Markovici” remediation. Seventh international conference geotechnics in civil engineering, Šabac, Srbija, pp 377-384.
17. Tomanovic Z., Ivanović B, **Živaljević S** (2012) „Gorica tunnel as an option for traffic improvements in Podgorica“ Under city

- Colloquium on Using Underground Space in Urban Areas in South-East Europe, April 12-14, 2012, Dubrovnik, Croatia pp.22-23 (elektomska verzija 6 starana) ISBN 978-953-55728-6-2
18. Bojović I, Tomanović Z., **Živaljević, S** (2011) „Reconstruction and remedial works on the tunnel No 11 on the railway Niksic – Podgorica“ 1st International Congress on Tunnels and Underground Structures in South-East Europe „Using underground space“ April 7-9, 2011, Dubrovnik, Croatia, pp. 166-167 (elektomska verzija 10 starana) ISBN 978-953-55728-6-2
 19. Tomanović Z., **Živaljević S.** (2010) „Projekat temeljne jame u Toploj - Herceg Novi“ Treći simpozijum društva za geotehniku Makedonije, Struga, 24-26 jun 2010, str. 429-434, ISBN 978-608-4510-06-2
 20. **Živaljević S.**, Radulović M., Knežević M., Gogić M. & Tomanović Z. „Reconstruction of the Budva-Bar Highway supporting structures“, the Symposium, Macedonian Association for Geotechnics, Ohrid, 29-30 June 2006, p.p. 111-118.
 21. **Zivaljevic Slobodan**, Tomanović Zvonko, Gogić Mladen, Soskić Milovan, Radulović Nikola, OVERVIEW OF TECHNOLOGY OF CONTEMPORARY TUNNEL BORING MACHINES (TBM), Proc. of the 12th international symposium of Macedonian association of structural engineers, Struga, Macedonia, 2007.
 22. Moslavac Darko, Jovanovski Milorad, Zafirovski Zlatko, **Zivaljevic Slobodan**, AN APPROACH IN ANALYSES AND SUPPORT OF UNSTABLE BLOCK AT THE ZONE OF NEW TUNNELS FOR POWER HOUSE OF “MATKA” DAM, Proc. of the 12th international symposium of Macedonian association of structural engineers, Struga, Macedonia, 2007.
 23. **Zivaljevic Slobodan**, Tomanović Zvonko, Radulović Nikola, IMPACT OF THE PILE CAP RIGIDITY ON DISTRIBUTION OF FORCES ON PILES, International Scientific Conference : Civil Engineering – Science and Practice, Zabljak, March 3-7 2008., pp.399-404., pp. 187-192
 24. Aleksić S., **Zivaljević S.**: SEISMIC RESPONSE OF STEEL FRAME STRUCTURES, The 14th World Conference on Earthquake Engineering – 14 WCEE, Beijing, 12-17 October 2008., P193.
 25. Tomanović Z., **Zivaljević S.**, REHABILITATION OF THE LANDSLIDE “POVIJA” ON THE RAILWAY NIKSIC-PODGORICA, Geotechnical Aspects of Civil Engineering, Association of Civil Engineers and Technicians of Serbia and Montenegro, Zlatibor, October 20-23, 2009, pp. 239-244
 26. Tomanović Zvonko, **Zivaljevic Slobodan** , FOUNDATION OF PIERS OF MARINA “PORTO MONTENEGRO” IN TIVTU , International Scientific Conference : Civil Engineering – Science and Practice, Zabljak, February 15-19 2010., pp. 1635-1640
 27. Zv. Tomanović, **Sl. Zivaljevic**, DESIGN OF PIT EXCAVATION SUPPORT FOR BUILDING IN TOPLA, HERCEG NOVI, Proc. of the 3th symposium of Macedonian association for geotechnics, Struga, Macedonia, 24-26 June, 2010., pp.429-434.
 28. **Zivaljević S.**, Tomanović Z., OPTIMISATION OF THE BORED PILE SUPPORT STRUCTURE OF THE FOUNDATION PIT, Geotechnical Aspects of Civil Engineering, Association of Civil Engineers and Technicians of Serbia and Montenegro, Zlatibor, November 1-3 November 2011., pp. 255-260
 29. Tomanović Zvonko, **Zivaljevic Slobodan** , DESIGN OF SUPPORT SYSTEM OF THE EXISTING FOUNDATION AND PROTECTION OF THE FOUNDATION PIT FOR THE HOTEL „HILTON“ IN PODGORICA, Civil Engineering – Science and Practice, Zabljak, February 20-24 2012., pp. 2149-2156.
 30. Mirjana Vukicevic, **Slobodan Zivaljevic**, Sanja Jockovic, REHABILITATION OF LANDSLIDE ON LOCATION PAPIKOVAC NEAR BANJA LUKA , International Scientific Conference : Civil Engineering – Science and Practice, Zabljak, February 20-24 2012, pp. 2157-2164.
 31. **Zivaljevic Slobodan**, OVERVIEW OF METHODS OF STABILITY CALCULATION OF SLOPES REINFORCED WITH PILES , International Scientific Conference : Civil Engineering – Science and Practice, Zabljak, February 20-24 2012, pp. 2181-2188.
 32. **Zivaljevic Slobodan**, Zvonko Tomanović, Borko Miladinović, Creep behaviour of a layered soft rock around the tunnel opening, XVI DECGE 2018 Proceedings of the 16th Danube - European Conference on Geotechnical Engineering, 2018.

1.3.2. Radovi na domaćim kongresima, simpozijumima i seminarima / Papers on national congresses, symposia and seminars

33. **Živaljević. S.**, Tomanović Z. i Radulović N., „**Uticaj krutosti naglavnice na raspodjelu sila u šipovima**“ Građevinska nauka i praksa, Univerzitet Crne Gore, Građevinski fakultet, Žabljak, 03-07 Mart 2008, str. 187-192
34. Tomanović Z., **Živaljević S.** i Marković P. „Analiza uticaja krutosti temelja na statičke uticaje u konstrukciji zgrade mješovitog konstruktivnog sistema“ Geotehnički aspekti građevinarstva, Savez građevinskih inženjera i tehničara Srbije i Crne Gore, Kopaonik, 24-27 oktobar 2005, str.. 93-100

1.4. Članstvo u profesionalnim udruženjima / Membership in professional associations :

- ITA Crna Gora / ITA Montenegro i dr.
- Inženjerska komora Crne Gore / Engineers Chamber of Montenegro