

Julijana Bojadjieva (ex. Cvetanovska)

Contact information - Macedonia

Adress: Department for Geotechnics and Special Structures,
Institute of earthquake engineering and engineering seismology,
University "Ss Cyril and Methodius",
Todor Alexandrov 165, 1000 Skopje
Macedonia

Phone: +38923107714
+38976491420

Email: jule@iziis.ukim.edu.mk

Current position

Associate Professor, *Head of Department* for Geotechnics and Special Structures, Institute of earthquake engineering and engineering seismology, University "Ss Cyril and Methodius"-Skopje, Macedonia

Geotechnical earthquake engineering, soil dynamics, site response analysis, advanced experimental dynamic triaxial testing of soils, direct simple shear testing of soils, 1-G psychical modeling for shaking table testing of geo-models in laminar container, microzonation of seismic geotechnical hazards, liquefaction potential assessment (SPT and CPT method), slope movement and landslide risk mitigation, GIS (geographical information system) application, performance-based design, constitutive modelling of soil.

Selected awards

(2007) Award for the *most successful undergraduate student* which is given each year by one of the most prestige companies: "ADING" at the Faculty of Civil Engineering at the University of "Ss. Cyril and Methodius" Skopje, Macedonia.

(2015) MASE (Macedonian Association of structural engineers) *award for the Best achievements in structural engineering and/or experimental investigation of structures*.

(2022) Best paper award at 5th Resylab, Regional Symposium on landslides, organized by ICL, Rijeka, Croatia. Julijana Bojadjieva, Vlatko Sheshov, Kemal Edip, Radmila Shalic, MartaStojmanovska, Roberta Apostolska, Stavroula Fotopoulou, Dimitris Pitilakis, NeritanShkodrani, Markel Babaleku, Francesca Bozzoni, Antonella di Meo, (2022).
Harmonized approach for mapping the earthquake-induced landslide hazard at the cross-

border region between North Macedonia, Greece and Albania, 5th Resylab, Regional Symposium on landslides, organized by ICL.

Education

Ph.D. “Ss. Cyril and Methodius” University, Institute of earthquake engineering and engineering seismology – IZIIS, Skopje, Macedonia

Earthquake geotechnical engineering (December 2015)

Dissertation: Dynamic behavior analysis of saturated cohesionless soils based on element and 1-G experiments

The research was supported by the European FP7 Project UREDITEME REGPOT-2008-1 (Upgrading of Research Equipment for Dynamic Testing of Large Scale Models), grant no. 230099

M.S. “Ss. Cyril and Methodius” University, Institute of earthquake engineering and engineering seismology – IZIIS, Skopje, Macedonia

Earthquake engineering (November 2009)

Theses: Geotechnical instabilities analysis in seismic active regions using GIS methodology

DAAD (German Academic Exchange Service) Scholarship

B.S. “Ss. Cyril and Methodius” University, Faculty of civil engineering, Skopje, Macedonia

Civil Engineering (May 2007)

Theses: Analysis and design of a structure with a roof constructed of glued laminated wood

Sp. Faculty of Sciences, University of Geneva, Switzerland

Specialization Certificate of Science in the Study and Management of Geological Risk – CERG (2008), (<https://www.unige.ch/sciences/terre/CERG-C>)

Appointments

2020-present **Associate Professor**, Ss. Cyril and Methodius” University, Institute of earthquake engineering and engineering seismology – IZIIS, Skopje, Macedonia

2019-2020 **Fulbright Visiting Scholar, Lecturer**, Department of Engineering and Construction Management, California State University Long Beach, California

2016-2020 **Assistant Professor**, Ss. Cyril and Methodius” University, Institute of earthquake engineering and engineering seismology – IZIIS, Skopje, Macedonia

- 2010-2015 **Research Assistant**, Ss. Cyril and Methodius” University, Institute of earthquake engineering and engineering seismology – IZIIS, Skopje, Macedonia
- 2010- 2011 **Research and Teaching Assistant**, Laval University, Quebec, Canada
- 2007-2010 **Young Research Assistant**, Ss. Cyril and Methodius” University, Institute of earthquake engineering and engineering seismology – IZIIS, Skopje, Macedonia

Research projects

Main investigator

1. Advanced methods for liquefaction hazard assessment – research project financed by University Ss. Cyril and Methodius- Skopje, Macedonia (2016-2017).
2. IZIIS in situ geo laboratory - research project financed by IZIIS (2020-2021).

Participant

1. ERIES - Engineering Research Infrastructures for European Synergies, Horizon Europe / 2022-2026
2. ISRA - Integrative strengthening of seismic risk awareness, UCPM, 2022-2024
3. COST CA21156 - european network for FOstering Large-scale ImplementAtion of energy GEostructure (FOLIAGE), MC Member
4. PARFORCE - Partnership for Virtual Laboratories in Civil Engineering, Erasmus + Programme, Horizon Europe (2021-2023)
5. Comprehensive Risk Assessment of Basic Services and Transport Infrastructure: CRISIS, funded by European Commission, 101004830 - CRISIS - UCPM-2020-PP-AG (2020-2022). Collaborators: University of Tirana, Albania, Eu Centre, Pavia, Italy and Aristoteli University, Thessaloniki, Greece.
6. Learn to be resilient: L2BR, funded by European Civil Protection, 101017950 — L2BR — UCPM-2020-KN-AG (2021-2022). Project Coordinator: NALAS, Collaborators: IZIIS-Skopje, University of Zagreb, Ministry of internal affairs-Montenegro, Municipality of Tirana, Institute for Public health - Podgorica.
7. GOALI/Collaborative Research: Future Underground Landscape - Learning from Large Excavations in a Complex Urban Environment (2019-2022). Grant no. 1917125. Founded by NSF (USA).(PI: Lisa star, CSULB)
8. Soil-Foundation-Structure Interaction Effects on Cyclic Failure Potential of Silts and Clays. (2016-2020). Grant no. 1563638. Founded by NSF (USA).(PI: Jonathan Stewart & Scott J. Brandenburg, UCLA)

9. Bilateral Macedonian-Austrian project: Scientific based approach for assessment the risk of natural disasters – soil liquefaction. (2018-2020).
10. COST Action (European Cooperation in Science and Technology) no15221 Advancing effective institutional models towards cohesive teaching, learning, research and writing development (2016-2020). <http://www.werelate.eu>
11. COST Action no 18110 (European Cooperation in Science and Technology). Underground built heritage as catalyzer for community valorization (2019-2023). <http://underground4value.eu>
12. EC FP7 Project – UREDITEME REGPOT-2008-1 – “Upgrading of Research Equipment for Dynamic Testing of Large Scale Models” (2009-2012) European FP7 Project UREDITEME REGPOT-2008-1, grant no. 230099.
13. EC FP7 Project – SERIES – “Seismic Engineering Research Infrastructures for European Synergies” (2009-2013), grant no. 227887.
14. “Reduction of Liquefaction Hazard in Urban Areas – New developments”, 2009-2010, Macedonian – Chinese Scientific and Technological Cooperation.
15. Joint Macedonian-Chinese project: Vulnerability assessment of RC structures including soil flexibility, (2015-2017).
16. “Reduction of seismic vulnerability of RC building structures based on Eurocode 8-application in Bulgarija and Macedonia” –bilateral scientific research project supported by the Ministries of education and science of Bulgarija and Macedonia (2006-2008).

Teaching experience

Soil Mechanics (Fall 2019) (California State University Long Beach, California) – undergraduate course.

Advanced soil mechanics (Spring 2020) (California State University Long Beach, California) –graduate course.

Soil Dynamics and foundation, Geotechnical earthquake engineering, Foundation of structures-Soil structure interaction, Advanced geotechnical engineering (2016-present, Associate professor, Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"-Skopje, Macedonia) – graduate courses.

Geodesy and geographical information system (Fall 2016, Lecturer, International Balkan University-Skopje, Macedonia) – undergraduate course.

Foundations, Soil dynamics (Fall 2010, Spring 2011, Teaching Assistant, Laval University, Quebec city, Canada) – graduate courses.

Soil Dynamics and foundation, Geotechnical earthquake engineering (2009-2016, Research Assistant, Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"-Skopje, Macedonia – graduate courses.

Scholarships and grants

(2003-2007) Scholarship for talented and successful students from the Ministry of Education of Republic of Macedonia.

(2007-2009) DAAD (German Academic Exchange Service) scholarship for talented students in postgraduate studies.

(2008) One month research stay at the Institute of Soil Mechanics and Foundation Engineering at Ruhr University In Bochum, Germany (supported by DAAD), participation in centrifuge experiments of sand model.

(2008) Grant from United Nations Tokyo for participation at the CERG course at University of Geneva, Switzerland.

(2008) Young researcher grant for participation at the 14th WCEE in Beijing, China.

(2010) Winter school "Culture and Technology" at Technical University of Munich, Germany (organized and supported by DAAD).

(2012) Short research stay at National Laboratory on Civil Engineering (LNEC), Lisbon, Portugal (supported by European project FP7 UREDITEME).

(2012) Young researcher grant for participation at the 15th WCEE in Lisbon, Portugal.

(2014) The Third EYE Lab Surfing Workshop 11-12 March 2014, Belgrade, Serbia, supported by European Commission.

(2015) Young researcher grant for participation at the 15th ECSMGE in Edinburgh, Scotland.

(2017) Training School on Ground Penetrating Radar for the assessment of transport infrastructures Osijek, Croatia, March 6-9, 2017 (COST Action TU 1208) (<http://gpradar.eu/events-dissemination/training-schools/osijek2017.html>).

(2019-2020) Fulbright Visiting Scholar grant. Project: Mitigation of earthquake geotechnical hazards. California State University Long Beach, California.

Students supervised

Jordanka Chaneva, M.S. student at Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"-Skopje, Macedonia on master thesis: *Application of in-situ methods for liquefaction hazard assessment (2017-2018)* (thesis reviewers: Prof. Misko Cubrinovski, University of Christchurch, New Zealand and prof. Vlatko Sheshov-IZIIS, Skopje, Macedonia).

Ivana Kostic, M.S. student at Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"- Skopje, Macedonia on master thesis: *Nonlinear Static*

Analysis of RC Buildings with consideration of local soil conditions under seismic action according to EC8 (2019-2020)

Borche Veljanovski, M.S. student at Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"- Skopje, Macedonia on master thesis: Application of Cone penetration tests (CPT) in earthquake geotechnical engineering (2021-present)

Nikola Petrov M.S. student at Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"- Skopje, Macedonia on master thesis: Kinematic Soil – Structure Interaction effects on seismic performance of RC frames (2016-2023)

Jovana Mircevski M.S. student at Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"- Skopje, Macedonia (2022-present)

Ana Bojadjieva M.S. student at Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"- Skopje, Macedonia (2021-present)

Besar Abdiu Ph.D. Student at Institute of earthquake engineering and engineering seismology, University "Ss. Cyril and Methodius"- Skopje, Macedonia (2018-present)

Referred Journal Publication & Book Chapters

1. Bojadjieva, J., Bogdanovic, A., Edip, K., Sheshov, V., Rakicevic, Z., Farsangi, E. N., ... & Naumovski, N. (2023). Seismic site investigation and structural amplification based on geotechnical and structural health monitoring. *Data-Centric Structural Health Monitoring: Mechanical, Aerospace and Complex Infrastructure Systems*.
2. Bojadjieva, Julijana, Vlatko Sheshov, Kemal Edip, and Toni Kitanovski. 2022. "Verification of a System for Sustainable Research on Earthquake-Induced Soil Liquefaction in 1-g Environments" *Geosciences* 12, no. 10: 363.
3. Vitanova, M., Bogdanovic, A., Bozinovski, Z. Edip K., Bojadjieva J. *et al.* Seismic performance validation for RC building structures damaged by Durres earthquake, Mw6.4, 26 November 2019, Albania. *Bull Earthquake Eng* **20**, 6527–6554 (2022). <https://doi.org/10.1007/s10518-022-01453-5>
4. Edip, K., Sheshov, V., Wu, W. & **Bojadjieva J.** Numerical modelling of saturated boundless media with infinite elements. *Acta Geotech.* (2021). <https://doi.org/10.1007/s11440-020-01139-9>
5. **Bojadjieva, J.**, Sheshov, V., Edip, K. *et al.* Local Site Effects in Definition of Seismic Design Parameters for Historical Monuments. *Soil Mech Found Eng* **57**, 407–414 (2020). <https://doi.org/10.1007/s11204-020-09685-w>
6. **Bojadjieva, J.**, Sheshov, V., & Bonnard, C. (2018). Hazard and risk assessment of earthquake-induced landslides—case study. *Landslides*, 15(1), 161-171.

7. Edip, K., Sesov, V., Butenweg, C., & **Bojadjieva, J.** (2018). Development of coupled numerical model for simulation of multiphase soil. *Computers and Geotechnics*, 96, 118-131.
8. Apostolska, R., Necevska-Cvetanovska, G., Shendova, V., & **Bojadjieva, J.** (2018). Seismic performance assessment of “hybrid” structures using two-level multy group GIS oriented approach: case studies. *Bulletin of Earthquake Engineering*, 1-28.
9. K.Edip, M.Garevski, V.Sesov and **J. Bojadjieva**, “Boundary Effects in Simulation of Soil-Structure Interaction Problems” *Journal of Soil Mechanics and Foundation Engineering*, Springer, September 2017, Volume 54, Issue 4, pp 239–243. DOI: 10.1007/s11204-017-9464-2.
10. Roberta Apostolska, Golubka Necevska-Cvetanovska, Jordan Bojadjiev, **Julijana Bojadjieva** (2016). Seismic performance of RC high rise buildings – a case study of 44 storey structure in Skopje (Macedonia). *Technical Gazette*. Vol 23, No 4 (august, 2016).
11. Kemal E., Garevski M., Sesov, V., **Bojadjieva J.** et al, “Numerical Simulation of Geotechnical Problems by Coupled Finite and Infinite Elements” *Journal of Civil Engineering and Architecture*, pp.68-77, Volume 7, Number 1, January 2013, Serial Number 62, ISSN1934-7359.

Refereed Conference Publication

1. Julijana Bojadjieva, Kemal Edip, Vlatko Sheshov and Aleksandra Bogdanovic, Site response estimate based on moderate earthquake acceleration records, 13th Workshop on seismic microzonation and risk reduction, Nov30-Dec01,2023, Alicante, Spain
2. Aleksandra Bogdanovic, Julijana Bojadjieva, Kemal Edip and Vlatko Sesov, Structural Diagnosis of Aged Steel Truss Bridges through Ambient Vibration Analysis, 13th Workshop on seismic microzonation and risk reduction, Nov30-Dec01,2023, Alicante, Spain
3. Kemal Edip, Vlatko Sheshov, Julijana Bojadjieva and Aleksandra Bogdanovic, New absorbing infinite elements, 13th Workshop on seismic microzonation and risk reduction, Nov30-Dec01,2023 Alicante, Spain
4. Julijana Bojadjieva, Vlatko Sheshov, Kemal Edip, Radmila Shalic, MartaStojmanovska, Roberta Apostolska, Stavroula Fotopoulou, Dimitris Pitilakis, NeritanShkodrani, Markel Babaleku, Francesca Bozzoni, Antonella di Meo, (2022). Harmonized approach for mapping the earthquake-induced landslide hazard at the cross-border region between North Macedonia, Greece and Albania, 5th Resylab, Regional Symposium on landslides, organized by ICL
5. **Julijana Bojadjieva**, Vlatko Sheshov, Kemal Edip, Jordanka Chaneva, Toni Kitanovski, Dejan Ivanovski (2019). “Comparison of cyclic simple shear and triaxial tests on natural sand”. *Proceedings of the XVII ECSMGE-2019 Geotechnical Engineering*

- foundation of the future ISBN 978-9935-9436-1-3. (invited paper). Reykjavik, Iceland 1-6 September, 2019.*
6. **Julijana Bojadjieva**, Vlatko Sheshov, Kemal Edip, Jordanka Chaneva, Toni Kitanovski, Dejan Ivanovski (2019). "GIS based assessment of liquefaction potential for selected earthquake scenario". *Earthquake geotechnical engineering for protection and development of environment and constructions. Proceedings of the 7th International Conference of earthquake geotechnical engineering. 7th ICEGE, Rome, Italy, 17-20th June, 2019.*
 7. **Julijana Bojadjieva**, Vlatko Sheshov, Kemal Edip, Jordanka Chaneva, Toni Kitanovski, Dejan Ivanovski (2019). Hazard and risk assessment of earthquake geotechnical instabilities. WMHE - 16th International Symposium of water management and hydraulic engineering, Skopje Macedonia (2019).
 8. **Julijana Bojadjieva**, Vlatko Sheshov, Kemal Edip, Toni Kitanovski, Jordanka Chaneva. (2018). "Cyclic Response Of Skopje Sand By Triaxial And Model Tests". *Proceedings of the 16th European Conference on Earthquake Engineering*, Thessaloniki, Greece.
 9. **Bojadjieva, J.**, SHESHOV, V., EDIP, K., KITANOVSKI, T., & CHANEVA, J. (2018). In-situ and laboratory methods for liquefaction hazard assessment. *ce/papers, 2(2-3)*, 199-204.
 10. CHANEVA, J. , **Bojadjieva, J.** , SHESHOV, V. , EDIP, K. and KITANOVSKI, T. (2018), Application of deterministic and probabilistic - SPT based liquefaction assessment triggering models. *ce/papers, 2: 603-608*. doi:10.1002/cepa.736.
 11. Bojadjieva J. (2017). Dynamic behavior of saturated cohesionless soil based on element and 1-G experiments (MASE 2017), SE-17, 04-07 October 2017, Ohrid, Macedonia (in Macedonian).
 12. **J.Bojadjieva**, V.Sheshov and K.Edip, "SYSTEM FOR 1-G MODEL TESTING OF SAND" *16th world conference on earthquake engineering 16WCEE 2017, Santiago, Chile.*
 13. V.Sheshov, K.Edip and **J.Bojadjieva**, "Liquefaction manifestation during Kraljevo 2010 earthquake" *16th world conference on earthquake engineering 16WCEE 2017, Santiago, Chile.*
 14. **J. Bojadjieva**, V. Sesov, K. Edip. (2016). A case study of liquefaction assessment for business center in city of Skopje. *ACUUS, Ss. Petersburg, Russia, 2016.*
 15. Jordanka Chaneva, Julijana Bojadjieva, Vlatko Sheshov, Kemal Edip, Toni Kitanovski, Dejan Ivanovski, Weimar, Germany, 5-16 August 2019 "CPT and SPT in-situ methods for liquefaction potential assessment" VERLAG, Weimar
 16. Jordanka Chaneva, Julijana Bojadjieva, Vlatko Sheshov, Kemal Edip, Toni Kitanovski, Bodrum, Turkey, 26-27 September "Liquefaction hazard assessment and zoning based on in-situ investigations – Case study", Proceedings of the 27th European Young Geotechnical Engineers Conference;
 17. Kemal Edip, Vlatko Sheshov, Julijana Bojadjieva, Toni Kitanovski, Dejan Ivanovski, Zlatibor 6-8 September, 2018, "Effects of soil modelling on SSI problems", ASES – Conference;
 18. Kemal Edip, Vlatko Sheshov, Julijana Bojadjieva, Toni Kitanovski, Jordanka Chaneva, Dejan Ivanovski, Valleta, Malta 2-7 September, 2018, "Effects of soil modelling in

- simulation of soil structure interaction”, 36th Assembly of the European Seismological Commission;
19. Vlatko Sheshov, Kemal Edip, Julijana Bojadjieva, Toni Kitanovski, Jordanka Chaneva, Ikuo Towhata, Ramin Motamed, Marcelo Gonzales, Valleta, Malta 2-7 September, 2018, “Performance of pile group in liquefied ground”, 36th Assembly of the European Seismological Commission;
 20. Toni Kitanovski, Vlatko Sheshov, Kemal Edip, Julijana Bojadjieva, Jordanka Chaneva and Dejan Ivanovski, “THE INFLUENCE OF THE SOIL MECHANICAL PROPERTIES ON THE SEISMIC DESIGN PARAMETERS”, Osmo megjunarodno naucno-strucno savetovanje geotehnicki aspekti gradevinarstva, Vrnanjcka Banja, 13-15.11.2019
 21. V. Šešov, J. Bojadjieva, K. Edip, T. Kitanovski, J. Chaneva (North Macedonia), “EXPERIMENTAL INVESTIGATION ON SEISMIC BEHAVIOR OF NATURAL SAND DEPOSITS”, Osmo megjunarodno naucno-strucno savetovanje geotehnicki aspekti gradevinarstva, Vrnanjcka Banja, 13-15.11.2019
 22. V. Sesov, I. Gjorgjeska, J. Bojadjieva, T. Kitanovski, J. Chaneva, D. Ivanovski, K. Edip (North Macedonia), “GROUND-PENETRATING RADAR AND ITS APPLICATION IN ENGINEERING. GPR AT IZIIS”, Osmo megjunarodno naucno-strucno savetovanje geotehnicki aspekti gradevinarstva, Vrnanjcka Banja, 13-15.11.2019
 23. Jordanka Chaneva, Dejan Ivanovski, **Julijana Bojadjieva**, Vlatko Sheshov (2017), “Importance of local soil conditions for seismic design of structures”, ISUCCESS; Osijek, Croatia.
 24. Sesov, Vlatko, Mihail Garevski, Kemal Edip, and **Julijana Bojadjieva**. (2015) "Development of New Infinite Element for Numerical Simulation of Wave Propagation in Soil Media." *In Experimental Research in Earthquake Engineering*, pp. 423-436. Springer International Publishing, 2015.
 25. **J. Bojadjieva**, V. Sesov, K. Edip. (2015). Experimental Setup for Sand Liquefaction Studies on Shaking Table. *6th ICEGE, 2015, Christchurch, New Zealand*.
 26. **J. Bojadjieva**, V. Sesov, K. Edip (2015). "Experimental and numerical study on sand for liquefaction research." In Proceedings of the 16th European Conference on Soil Mechanics and Geotechnical Engineering-ECSMGE Geotechnical Engineering for Infrastructure and Development, *Proceedings of Institution of civil engineers -ICE, ISBN 978-0-7277-6067-8, Edinburgh, UK. 2015*.
 27. K. Edip, M. Garevski, V. Sheshov and **J. Bojadjieva**, Numerical simulation of consolidation problem, Proceedings of the XVI ECSMGE Geotechnical Engineering for Infrastructure and Development, *Proceedings of Institution of civil engineers -ICE ISBN 978-0-7277-6067-8, 13-17 September 2015, Edinburgh, Scotland*.
 28. **J. Bojadjieva**, V. Sesov, K. Edip, I. Gjorgiev, & T. Kitanovski. (2015). Laminar box for testing geo-models on shaking table. *International Conference on Earthquake Engineering and Seismology, 12-16 May, 2015*.
 29. Vlatko Sheshov, Kemal Edip, **Julijana Bojadjieva**, Toni Kitanovski, Predrag Jeremic, “Numerical modeling of a deep excavation”, *IZIIS 50 International conference on Earthquake Engineering and Seismology, 12-16 Maj, 2015*.

30. **J. Bojadjeva**, V. Sesov, K. Edip and I. Gjorgiev (2014). Some important aspects in experimental setup for liquefaction studies on shaking table tests. *Second European Conference on earthquake engineering and seismology, Istanbul, aug. 25-29, 2014.*
31. Edip, Kemal, Mihail Garevski, Christoph Butenweg, Vlatko Sesov, **Julijana Bojadjeva**, and Igor Gjorgjiev (2014). "Boundary Effects on Seismic Analysis of Multi-storey Frames considering Soil Structure Interaction Phenomenon." *In Seismic Design of Industrial Facilities, pp. 569-575. Springer Fachmedien Wiesbaden, 2014.*
32. **Cvetanovska J.**, Sesov V. and Edip K. (2013). Sand characterization for experimental studies on liquefaction phenomena. *ICEGE Conference, from case history to practice in honour of prof. Kenji Ishihara, Istanbul, Turkey.*
33. **J. Cvetanovska**, V.Sesov, K.Edip (2012). Important Aspects In Design Of Laminar Soil Container For 1-G Shaking Table Tests, *22nd European Young Geotechnical Engineers Conference, Gothenburg, Sweden, 26-29th August, 2012.*
34. **J. Cvetanovska**, V. Sesov, I. Gjorgiev, K. Edip (2012). Influence Of The Local Site Conditions For The Seismic Assessment Of Historical Monuments, *15th World Conference on Earthquake Engineering, Lisbon, Portugal, 24 – 28 September, 2012.*
35. I. Gjorgiev, M. Garevski, V.Sesov, K. Edip & **J. Cvetanovska** "Effects Of Soil Medium On Response Of Base Isolated Multistorey Frame Structures" *15th World Conference on Earthquake Engineering 24 – 28 September, 2012 Lisbon, Portugal.*
36. **J.Cvetanovska**, V.Sesov, I.Gjorgjiev, K.Edip (2011). Gis Application In Earthquake Geotechnical Engineering Problems, *International conference, Innovation as a function of engineering development, Nis, Serbia, 25 – 26 November, 2011.*
37. **J.Cvetanovska**, I.Gjorgjiev, K.Edip (2011). Influence Of Local Soil Conditions In The Response Of The Structures With Application Of The Software Saga-B, *14th International Symposium of Macedonian Association of Structural Engineers (MASE), Struga, Macedonia, 28 September – 01 October, 2011.*
38. **J. Cvetanovska**, V. Sesov (2010). Terrain Instabilities Analysis In Seismic Active Regions Using GIS Methodology, *From Research to Design in European practice, Bratislava, Slovak Republic, June 2-4, 2010.*
39. V.Sesov, **J. Cvetanovska**, K.Edip (2013). Geotechnical Issues In Structural Stabilization Of Historical Monument -Clock Tower, *7th International Conference on case histories in geotechnical engineering and symposium in honour of Clyde Baker, Chicago, USA, 29 April – 04 May, 2013.*
40. Sesov V., **Cvetanovska J.** & Edip K (2013). "Geotechnical aspects in sustainable protection of cultural and historical monuments", *18 ICSMGE, Paris, France, September 2-6, 2013.*
41. V.Sesov, D.Dojcinoski, K.Edip & **J. Cvetanovska** (2012). Evaluation Of The Site Seismic Potential For Performance Based Design, *2nd International Conference on performance based design in earthquake geotechnical engineering, Taormina, Italy, 28 – 30 May, 2012.*
42. Sesov Vlatko and **Julijana Cvetanovska**. Microzonation of landslide hazard - Application of GIS methodology. COST C26 Urban Habitat Constructions under

Catastrophic Events. *Minutes of the WG2 Committee meeting (Earthquake resistance) held in Aveiro (Portugal) on 27 November 2009.*

Technical reports

1. Seismological study for urban planning of city of Bitola, IZIIS/2023
2. Sheshov V. Edip K. Bojadjeva J. et al. REPORT on CONSULTING SERVICES IN THE FIELD OF RESEARCH of the dynamic properties of soil and performing dynamic analyses using a dynamic triaxial system ,for needs of team members of the scientific - research project „ElectroSoil "; IZIIS/2022
3. RESIDENTIAL SEISMIC SURVEY REPORT -Evaluation of Seismic Stability of Leased Residential Property for the US Embassy in Skopje, N. Macedonia. 4th street 251, Bardovci, Skopje, Republic of North Macedonia. IZIIS Report 2021-30.
4. RESIDENTIAL SEISMIC SURVEY REPORT -Evaluation of Seismic Stability of Leased Residential Property for the US Embassy in Skopje, N. Macedonia. Lerinska street 21b, Kozle, Skopje, Skopje, Republic of North Macedonia. IZIIS Report 2021-32.
5. RESIDENTIAL SEISMIC SURVEY REPORT -Evaluation of Seismic Stability of Leased Residential Property for the US Embassy in Skopje, N. Macedonia. KP 933, Bardovci, Skopje, Republic of North Macedonia. IZIIS Report 2021-35.
6. Definition of the dynamic strength soil parameters based for numerical analysis for the seismic study of tailing dam no.4 SASA, Macedonia. IZIIS Report 2019/52-1.
7. Evaluation for the necessity of simultaneous construction of Parcels 1.12, 1.1B and 1.5. Mix Use Complex – Skopje. IZIIS Report 2019/50.
8. Kosova E Re Power Plant Project (KRPP), Volume II, Earthquake Engineering Study, IZIIS Report 2018/49-2.
9. Definition of the seismic design parameters Project: Kursumni An-Skopje, IZIIS Report 2017-22.
10. Project Concept on Seismicity of Locations for Big Power Plants, IZIIS Report 2017/19.
11. Main design for slope stabilization for water supply system Strezevo, Bitola-*six* landslides stabilization project with micro-piles and gabions along the water chanell of the water system Strezevo. (2016) technical number 09-18-15, Proekt Inzenering dooel Skopje.
12. Definition of the seismic design parameters Project: Support for Construction of Integra Cultural and Sport Facility, Mostar – BIH, IZIIS Report 2015/24.
13. Definition of the seismic design parameters Project: Hydroelectric Powerplant Maribor, IZIIS Report 2015/26.
14. Main design project for new Clinical hospital Mother Theresa-Skopje (2015), block 4 (~18000 m2 reinforce concrete structure 13th floors), Aren-Torino.
15. Technical Review on the Project Documentation for Protection of the Construction PIT for Administrative Building - ELEM, Skopje, IZIIS Report.
16. Definition of the seismic design parameters and liquefaction potential assessment Project: LIMAK –Skopje, IZIIS Report 2014/23.

17. Definition of the seismic design parameters Project: structure of cultural importance Mother Theresa –monument-Skopje, IZIIS Report 2014-26.
18. Seismic Safety and Stability of Building of OSCE Mission in Kosovo Headquarters, Volume 2 Seismic Potential of the Site, IZIIS Report 2014-31/2.
19. Definition of the seismic design parameters Project: Rectorate-International Balkan University“, IZIIS Report 2014/19.
20. Definition of the seismic design parameters Project: “Elementary school Hrom Municipality of Gjorce Petrov, IZIIS Report 2014/18.
21. Main project for design of structural consolidation (rehabilitation of foundation structure) for the Clock Tower in Prilep – historic monument built from stone from XIX century. IZIIS Report 2012 / 34.
22. Upgrading of information system with new attributes for inventorying and monitoring of seismic stability and safety of existing structures in Karposh Municipality—GIS environment, volume 1, visual inspection and opinion about existing state of structures in Karposh municipality and inventorying in the defined form, IZIIS Report no. 2013-47 Geophysical survey - Dobrasinci, Location for waste disposal, IZIIS report 2012-53.
23. Assessment of Seismic Hazard and Risk in Emirate of Abu Dhabi / Site Characterization and Site Response Analyses/Dynamic and Liquefaction susceptibility testing (2011-2012).
24. Seismic microzonation of Gjilan, Geophysical investigation – Measurement and preliminary results part 3, January, 2012, report IZIIS 2012-01.
25. Seismic microzonation of Gjilan, August, 2012, report IZIIS 2012-45.
26. Evaluation of the seismic potential of the site, Definition of the seismic design parameters for High Rise Buildings, Project: “Makedonya Cevahir Resident” Skopje, Macedonia, IZIIS Report 2011/24.
27. État Des Connaissances: Cartographie Régionale Des Effets De Site D'origine Sismique Dans La Vallée Du St-Laurent, Qc. Rapport pour Gouvernement du Canada (2011).
28. Evaluation of the liquefaction potential for the site of the St.Aubin and Tomas Trembley schools in Quebec, Canada (in french) (2011).
29. Evaluation of the liquefaction potential for the site of L'éco-Quartier De D'estimauville in Quebec, Canada (in french) (2011).
30. Evaluation of the liquefaction potential for the site of the BSt. Paul Hospital in Quebec, Canada (in french) (2011).
31. Analysis of Stability of Existing Church Structure of St. Mary Peribleptos in Ohrid under Gravity and Seismic Effects, Vol.2 - Assessment of seismic potential of St. Mary Peribleptos church site in Ohrid, IZIIS Report 2011/36.
32. Definition of the seismic design parameters Project Industrial Complex Zabeni-Bitola IZIIS Report 2011/40.
33. HE PONOVIČE geophysical investigation and seismic microzonation IZIIS report 2009/51.

34. HE TRBOVLJE geophysical investigation and seismic microzonation IZIIS report 2009/52.
35. HE SUHADOL geophysical investigation and seismic microzonation IZIIS report 2009/53.
36. Evaluation of the Seismic Potential of the Site, for the Development Project of the Ohrid Airport, IZIIS 2010 / 21.
37. Evaluation Of The Seismic Potential Of The Site, For The Development Project Of The Skopje Airport, IZIIS Report 2010 / 21.
38. Evaluation of the seismic potential of the site, Definition of the seismic design parameters for High Rise Buildings, Project: "Makedonya Cevahir Resident" Skopje, Macedonia. IZIIS Report 2011/24.
39. Revision of the foundation structure for High Rise Buildings, Project: "Makedonya Cevahir Resident" Skopje, Macedonia. IZIIS Report 2011/24.
40. Main project for design for retaining wall for Monastery St Preobrazenie in Zrze Prilep. IZIIS Report 2009-33.
41. Rehabilitation and strengthening project for the Mustapha Pasha Mosque in Skopje. IZIIS Report 2007-41.

Presentations

1. Liquefaction hazard assessment - lab testing (13.08.2020). (Online invited lecture by Associate professor Pooneh Maghoul, on the graduate course Earthquake Geotechnical Engineering at the University of Manitoba, Canada).
2. "Comparison of cyclic simple shear and triaxial tests on natural sand".(2019) *Proceedings of the XVII ECSMGE-2019 Geotechnical Engineering foundation of the future ISBN 978-9935-9436-1-3. (invited paper)*. Reykjavik, Iceland 1-6 September, 2019.
3. Cyclic Response Of Skopje Sand By Triaxial And Model Tests". (2018) *Proceedings of the 16th European Conference on Earthquake Engineering*, Thessaloniki, Greece.
4. In-situ and laboratory methods for liquefaction hazard assessment. (2018) *ce/papers*, 2(2-3), 199-204. XVI Danube-European Conference on Geotechnical Engineering in Skopje, Macedonia.
5. Parametric study on Skopje sand - Effects of fly-ash mixture to sandy specimen (2018). Second SARCOS COST – RILEM PhD training school entitled "Advanced materials and technologies based on inorganic binders". COST action CA15202 <https://www.sarcos.eng.cam.ac.uk>. (lecturer).
6. Gis Based Assessment Of Earthquake Induced Landslides (2017). Training School on Ground Penetrating Radar for the assessment of transport infrastructures Osijek, Croatia, March 6-9, 2017 (COST Action TU 1208) (<http://gpradar.eu/events-issemination/training-schools/osijek2017.html>)(participant).
7. Panel session "NIPP Inspire initiative" GDI Solution days, September, 2016.

8. Laminar box for testing geo-models on shaking table. *International Conference on Earthquake Engineering and Seismology, 12-16 May, 2015.*
9. Experimental setup for Liquefaction studies on Shaking table tests (2014). The Third EYE Lab Surfing Workshop 11-12 March 2014, Belgrade, Serbia, supported by European Commission.
10. Earthquakes what we know, what we should do experiences, lessons. (2014) Presentation given in front of German Embassy representatives.
11. Sand characterization for experimental studies on liquefaction phenomena. (2013) *ICEGE Conference, from case history to practice in honour of prof. Kenji Ishihara, Istanbul, Turkey.*
12. Skopje sand – experimental program to evaluate applicability for soil liquefaction studies (2013). In Proceedings of the International Conference on Earthquake Engineering (SE-50EEE), Skopje, Macedonia. 2013.
13. WP1 Training of researchers through networking. Workshop: Seismic research testing facilities in earthquake engineering. FP 7 Project UREDITEME. March 22-23, 2012, Skopje, Macedonia.
14. Important Aspects In Design Of Laminar Soil Container For 1-G Shaking Table Tests, *22nd European Young Geotechnical Engineers Conference, Gothenburg, Sweden, 26-29th August, 2012.*
15. Influence Of The Local Site Conditions For The Seismic Assessment Of Historical Monuments, *15th World Conference on Earthquake Engineering, Lisbon, Portugal, 24 – 28 September, 2012.*
16. Influence Of Local Soil Conditions In The Response Of The Structures With Application Of The Software Saga-B, *14th International Symposium of Macedonian Association of Structural Engineers (MASE), Struga, Macedonia, 28 September – 01 October, 2011.*
17. Gis Application In Earthquake Geotechnical Engineering Problems, *International conference, Innovation as a function of engineering development, Nis, Serbia, 25 – 26 November, 2011.*
18. Microzonation Of The Landslide Potential In Earthquake Prone Regions-Application Of Gis Methodology (2010). *14 European Conference on Earthquake Engineering, Ohrid, Macedonia, 30 August-03 September, 2010.*
19. Analysis and design of a structure with a roof constructed of glued laminated wood”. (2008) – *Second International Symposium “Gradjevinarstvo Nauka i Praksa”- Zabljak, Montenegro, 2008.*

Review

KSCE Journal of civil engineering <https://www.springer.com/journal/12205> (more than 10 papers)

Journal of Mountain Science <http://jms.imde.ac.cn/web/21915/2018year-2> (one paper)

Landslides <https://www.springer.com/journal/10346>

Language

Macedonian – native

English -excellent

French – basic

German-basic

Community service

Rotary club Skopje Park –charter member

Membership and activities in professional associations

Certified Civil Engineer in Republic of Macedonia – Chamber of Architects and Engineers

MASE (Macedonian Association of Structural Engineers)

MAG (Macedonian Association of Geotechnics)

MAEE (Macedonian Association of Earthquake Engineering)

EAEE (European Association of Earthquake Engineers)

ISSMGE (International Society of Soil Mechanics and Geotechnical Engineering)