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Research papers

- Z. Lezhava, K. Tsikarishvili, L. Asanidze, N. Chikhradze, Tamazi Karalashvili, D. Odilavadze, Avtandil Tarkhishvili. The results of a complex study of the Turchu limestone hollow (polje). Western Georgia, Caucasus. The European Association of Geographers. *European Journal of Geography*. 2021. p. 6-20. DOI: <https://doi.org/10.48088/ejg.z.lez.12.3.006.020>
- L. Asanidze, Z. Lezhava, K. Tsikarishvili, G. Gaprindashvili. Karst and Pseudokarst Landscape of Georgia (Caucasus). A Short Review. *Surveying Geology & Mining Ecology Management*. SGEM. 2021. P. 69-74. ISBN 978-619-7603-20-0. DOI: 10.5593/sgem2021/1.1/s01.009
- Z. Lezhava, K. Tsikarishvili, L. Asanidze, N. Chikhradze, A. Nosenko. About Karst (Chemical) Denudation in Zemo Imereti Plateau (County of Georgia). *Surveying Geology & Mining Ecology Management*. SGEM. 2021. P. 3-10. ISBN 978-619-7603-20-0. DOI: 10.5593/sgem2021/1.1/s01.001
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- Z. Lezhava, L. Asanidze, K. Tsikarishvili, G. Gaprindashvili. Karst Map of Georgia. Publishing house Universal. 2021. p. 1. ISBN. 978-9941-26-964-6.
- Z. Lezhava, L. Asanidze, K. Tsikarishvili, N. Chikhradze, L. Gadrani, G. Chartolani. Hydrodynamic zones of fissure-karst waters of Zemo Imereti Plateau in the Republic of Georgia. Triveni Enterprises. *Journal of Environmental Biology*. 2021. p. 337-343. ISSN: 0254-8704. DOI: 10.22438/jeb/41/2(SI)/JEB-09
- Z. Lezhava, K. Tsikarishvili, Tamazi Karalashvili, Akaki Naskidashvili. Results of the Kinkisha River Valley Mudflow Survey Study. TSU publishing, Proceedings of the Alexander Javakhishvili Geographical Society of Georgia, 2020, New Series, II (XX), p. 14-22. ISSN 2587-5450
- Z. Lezhava, K. Tsikarishvili, L. Asanidze, N. Chikhradze, Guranda Avkopashvili, Tamar Tolordava. Impact of Anthropogenic Factors on Karst Landscape (Zemo Imereti Structural Plateau Case Study), Georgia, Caucasus. Scientific Research Publishing, *Open Journal of Geology*. 2020. p. 771-783. DOI: 10.4236/ojg.2020.107035
- K. Tsikarishvili, Z. Lezhava, L. Asanidze. Glossary of Karst-Speleological Terms. TSU publishing, 2019. p. 230. ISBN: 978-9941-13-799-0.
- L. Asanidze, Z. Lezhava, K. Tsikarishvili, G. Gaprindashvili, N. Chikhradze, Jason Polk. Karst Map of Georgia (Caucasus region) scale: 1:1:500,000. Springer, *Journal of Carbonates and Evaporites*. 2019. p. 1205-1212. <https://doi.org/10.1007/s13146-019-00525-z>
- Z. Lezhava, L. Asanidze, K. Tsikarishvili, G. Gaprindashvili, N. Chikhradze. About Genesis of Karst Candaera of Denudation-Tectonic Landform. Georgia, Caucasus. *Surveying Geology & Mining Ecology Management*. SGEM. 2019. p. 419-426. DOI:10.5593/sgem2019/1.1/S01.001
- Z. Lezhava, K. Tsikarishvili, L. Asanidze, N. Chikhradze, G. Chartolani., Ani Sherozia. Karst Relief Development History of Zemo Imereti Plateau, Georgia, Caucasus. Scientific Research Publishing, *Open Journal of Geology*. 2019. p. 2001-2012. DOI: 10.4236/ojg.2019.93014
- Z. Lezhava, L. Asanidze, K. Tsikarishvili, N. Chikhradze, G. Chartolani, Ani Sherozia. On the Evolution of Karst Caves in The Conditions of Platform Karst (Zemo Imereti Plateau Case Study: Georgia). TSU publishing, Proceedings of the International Multidisciplinary Conference Actual Problems of Landscape Sciences: Environment, Society, Politics. 2019. pp. 73-79. ISBN 978-9941-13-879-9
- Z. Lezhava, L. Asanidze, K. Tsikarishvili, N. Chikhradze, A. Sherozia, G. Chartolani. Karst Caves Origination Conditions in the Zemo Imereti (Chiatura) Structural Plateau, Georgia. TSU publishing, proceedings of the International Conference Actual Problems of Geography. 2019. Pp. 26-32. ISBN 978-9941-13-885-0
- L. Asanidze, Z. Lezhava, N. Chikhradze, G. Gaprindashvili, Guranda Avkopashvili. Mapping of potential show caves in the Racha Limestone Massif (Country of Georgia). Papers of the 15th Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst. 2018. p. 97-103. DOI: 10.5038/9780991000982.1064

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- Omar Lanchava, N. Bolashvili, Akaki Naskhidashvili, K. Tsikarishvili, Z. Lezhava, Sergo Tsagareishvili, G. Chartolani. Determination of the Simultaneously Allowed Optimal Number of Tourists for the Tskaltubo (Prometheus) Cave. Scientific Research Publishing. Open Journal of Geology, 2018, 8, p. 437-445. ISSN Online: 2161-7589, ISSN Print: 2161-7570. <http://www.scirp.org/journal/ojg>.
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- L. Asanidze, N. Chikhradze, Z. Lezhava, K. Tsikarishvili, Jason S. Polk, G. Lominadze, N. Bolashvili. Complex Speleogenetic Processes and Mineral Deposition in the Caucasus Region of Georgia. Triveni Enterprises. Journal of Environmental Biology. 2017. 1107-1113. ISSN: 0254-8704. DOI: 10.22438/jeb/38/5(SI)/GM-30
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- L. Asanidze, Z. Lezhava, K. Tsikarishvili, N. Chikhradze, Jason S. Polk. Karst morphological processes and evolution of the limestone massif of Georgia from depositional, sedimentary, and structural investigations in Muradi Cave. Paper of 17th International Congress of Speleology. Sydney, Australia. 2017. p. 241-247. ISBN 978-0-9588857-0-6
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- L. Asanidze, Guranda Avkopashvili, K. Tsikarishvili, Z. Lezhava, N. Chikhradze, marika Avkopashvili, Zurab Samkharadze, G. Cahrtolani. Geoecological Monitoring of Karst Water in Georgia, Caucasus (Case Study of Racha Limestone Massif). Scientific Research Publishing. Open Journal of Geology. 2017. p. 822-829. ISSN Online: 2161-7589. ISSN Print: 2161-7570. DOI: 10.4236/ojg.2017.76056
- N. BolaShvili, K. Tsikarishvili, Dali Nikolaishvili, Z. Lezhava. Karst Relief limestone Massif of Migaria. Materials of the International Conference Landscape Dimension of Sustainable Development: Research - Planning - Management. Dedicated to the 70th anniversary of Prof. N.Beruchashvili. October 4-6, 2017, pp. 112.00. 200-209 ISBN 978-9941-13-639-9
- N. Bolashvili, Viktor Chikhladze, Ketevan Khazaradze, Z. Lezhava, K. Tsikarishvili. Some bioclimatic characteristics of Martvili canyon (Western Georgia). Tbilisi: TBR, International collection of scientific articles The questions of health resort managing, physiotherapy and rehabilitation. V. I, 2017, pp.81-87. ISSN 2449-271X
- Z. Lezhava, N. Bolashvili, K. Tsikarishvili, L. Asanidze, N. Chikhradze. Hydrological and Hydrogeological Characteristics of the Platform Karst of Zemo Imereti Plateau, Georgia. Proceedings of The Fourteenth Multidisciplinary Conference. Sinkholes and the Engineering and Environmental Impacts of Karst, Rochester, Minnesota, USA. 2015. p. 93-100. ISBN 978-0-9910009-5-1. DOI: 10.5038/9780991000951.1058
- Z. Lezhava, K. Tsikarishvili, N. Bolashvili, L. Asanidze, Nini Chikhradze. Preliminary outcomes of the Eki mountain Karst-hydrological and speleological study. TSU publishing, Proceedings of international Conference-Applied Ecology: Problems, Innovations. 2015. p. 89-95. ISBN 978-9941-0-7644-2
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- Z. Lezhava, K. Tsikarishvili, G. Dvalashvili, G. Chartolani, G. Khutsishvili. Preliminary results of karst-speleological research of the southern Imereti limestone district. Publishing House Technical University, Science and Technology, 2015, №2. pp. 25-32. ISSN 0130-7061
- Z. Lezhava, K. Tsikarishvili, G. Dvalashvili. To the study of the Bzvani limestone massif. Caves. Collection of scientific papers, issue 38, Perm, 2015, pp. 9-16. ISBN: 978-5-7944-1556-8; ISBN: 978-5-7944-2602-1

Participations in conferences

14-22.08.2021, 21th International Multidisciplinary Scientific Conference on Earth and Planetary Sciences. Karst and Pseudokarst Landscape of Georgia (Caucasus). A Short Review. Albena, Bulgaria. SWS Scholarly Society

- 14-22.08.2021, 21th International Multidisciplinary Scientific Conference on Earth and Planetary Sciences. About Karst (Chemical) Denudation in Zemo Imereti Plateau (Country of Georgia). Albena, Bulgaria. SWS Scholarly Society
- 9-13.09.2019, International Multidisciplinary Conference Actual Problems of Landscape Sciences: Environment, Society, Politics. On the Evolution of Karst Caves in The Conditions of Platform Karst (Zemo Imereti Plateau Case Study: Georgia). Tbilisi, Georgia. Ivane Javakhishvili Tbilisi State University
- 7-8.011.2019, International Conference Actual Problems of Geography. Karst Caves Origination Conditions in the Zemo Imereti (Chiatura) Structural Plateau, Georgia. Tbilisi, Georgia. Ivane Javakhishvili Tbilisi State University
- 29-31.08.2019, International Conference of Hidden Geographies. Geomorphological and Speleological Study of Muradi Cave in the Racha Limestone Massif (Country of Georgia). Ljubljana, Slovenia. European Association of Geographers (EUROGEO)
- 28.06-07.07.2019, 19th International Multidisciplinary Scientific Conference on Earth and Planetary Sciences. About Genesis of Karst Caldera of Denudation-Tectonic Landform. Georgia, Caucasus. Albena, Bulgaria. SWS Scholarly Society
- 2-6.04.2018, 15th Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst and the 3rd Appalachian Karst Symposium. Mapping of Potential of Show Caves in the Racha Limestone Massif (Country of Georgia). Shepherdstown, West Virginia, USA. University of South Florida
- 23-29.07.2017, 17th International Congress of Speleology. Karst morphological processes and evolution of the limestone massif of Georgia from depositional, sedimentary, and structural investigations in Muradi Cave. Sydney, Australia. International Union of Speleology
- 7-10.05.2015, International Conference-Applied Ecology: Problems, Innovations. Preliminary outcomes of the Eki mountain Karst-hydrological and speleological study. Tbilisi, Georgia. Ivane Javakhishvili Tbilisi State University
- 19-23.10.2015, 21th National Cave and Karst Management Symposium. Discovery and Management of Georgian Caves. Cave City, Kentucky. National Cave and Karst Research Institute, USA.
- 5-9.10.2015, Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst. Hydrological and hydrogeological Characteristics of the Platform Karst-Zemo Imereti Plateau, Georgia. Rochester, Minnesota, USA. National Cave and Karst Research Institute, USA.
- 5-9.10.2015, Multidisciplinary Conference on Sinkholes and Engineering and Environmental Impacts of Karst. Rollalong Resistivity Surveys Reveal Karstic Paleotopography Developed on Near Surface Gypsum Bedrock. Rochester, Minnesota, USA. National Cave and Karst Research Institute, USA.
- 21-28.07.2013, 16th International Congress of Speleology. Speleology of Georgia. Brno, Czech Republic. International Union of Speleology

Research grants

- 03.08.2016-03.02.2017. Monitoring Chiatura's polluted drinking waters (№SAMRS/2016/SG/04/GE). Slovak Agency for International Development Cooperation. Principal investigator.
- 07.07.2017-07.01.2018. Measures to protect drinking water from pollution (№SAMRS/2017/SG/03/GE). Slovak Agency for International Development Cooperation. Principal investigator.
- 22.02.2019-22.02.2022. Classification of Karst Landscape of Georgia. Shota Rustaveli National Science Foundation of Georgia. Key personnel.
- 20.12.2019-10.12.2020. Karst Ma of Georgia. Shota Rustaveli National Science Foundation of Georgia. Mentor
- 31.03.2014-31.03.2017. Identification of karst phenomena formation (genesis) conditions in the territory of Georgia and prospects of revealed cave systems exploitation for tourist purposes. Shota Rustaveli National Science Foundation of Georgia. Assistant personnel