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Research papers

- Zaza Lezhava., Kukuri Tsikarishvili., Lasha Asanidze., Nino Chikhradze., Tamazi Karalashvili., Davit Odilavadze., Avtandil Tarkhnishvili. 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>
- Lasha Asanidze., Zaza Lezhava., Kukuri Tsikarishvili., George 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
- Zaza Lezhava., Kukuri Tsikarishvili., Lasha Asanidze., Nino Chikhradze., Andrei 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
- Guranda Avkopashvili., Alexander Gongadze., Lasha Asanidze., Marika Avkopashvili. Arsenic and Lead Content of Racha, Samegrelo and Zemo Svanetian Soils, Georgia. Surveying Geology & Mining Ecology Management. SGEM. 2021. P. 419-426. ISBN 978-619-7603-20-0
- Zaza Lezhava., Kukuri Tsikarishvili., Lasha Asanidze. Platform Karst of Georgia. Publishing house Universal. 2021. p. 242. ISBN 978-9941-26-963-9
- Zaza Lezhava., Lasha Asanidze., Kukuri Tsikarishvili., George Gaprindashvili. Karst Map of Georgia. Publishing house Universal. 2021. p. 1. ISBN. 978-9941-26-964-6.
- Zaza Lezhava., Lasha Asanidze., Kukuri Tsikarishvili., Nino Chikhradze., Lela Gadrani., Giorgi 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. DOI: 10.22438/jeb/41/2(SI)/JEB-09
- Zaza Lezhava., Kukuri Tsikarishvili., Lasha Asanidze., Nino 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
- Levan Tielidze., David Svanadze., Lela Gadrani., Lasha Asanidze., Roger D Wheate., Gordon S Hamilton. A 54-year record of changes at Chalaati and Zopkhito glaciers, Georgian Caucasus, observed from archival maps, satellite imagery, drone survey and ground-based investigation. Research Centre for Astronomy and Earth Sciences. Hungarian Geographical Bulletin. 2020. p. 175-189. DOI: 10.15201/hungeobull.69.2.6
- Marika Avkopashvili., Alexander Gongadze., Guranda Avkopashvili., Lia Matchavariani., Lasha Asanidze., Lamzira Lagidze. Metals distribution in soil contaminated by gold and copper mining in Georgia. Triveni Enterprises. Journal of Environmental Biology. 2020. p.310-317. DOI: 10.22438/jeb/41/2(SI)/JEB-05
- Kukuri Tsikarishvili., Zaza Lezhava., Lasha Asanidze. Glossary of Karst-Speleological Terms. TSU Publishing. 2019. p. 230. ISBN: 978-9941-13-799-0.
- Lasha Asanidze., Zaza Lezhava., Kukuri Tsikarishvili., George Gaprindashvili., Nino 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>
- Zaza Lezhava., Lasha Asanidze., Kukuri Tsikarishvili., George Gaprindashvili., Nino Chikhradze. About Genesis of Karst Canda of Denudation-Tectonic Landform. Georgia, Caucasus. Surveying Geology & Mining Ecology Management. SGEM. 2019. p. 419-426. DOI:10.5593/sgem2019/1.1/S01.001
- Zaza Lezhava., Kukuri Tsikarishvili., Lasha Asanidze., Nino Chikhradze., Giorgi Chartolani., Ani Sherozia. Karst Relief Development History of Zemo Imereti Plateau, Georgia, Caucasus. Scientific Research Publishing. Open Journal of Geology. 2019. 2001-2012. DOI: 10.4236/ojg.2019.93014
- Zaza Lezhava., Lasha Asanidze., Kukuri Tsikarishvili., Nino Chikhradze., Giorgi 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

- Zaza Lezhava., Lasha Asanidze., Kukuri Tsikarishvili., Nino Chikhradze., Ani Sherozia., Giorgi 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
- Lasha Asanidze., Zaza Lezhava., Nino Chikhradze., George Gaprindashvili., Guranda Avkopashvili. Mapping of potential show caves in the Racha Limestone Massif (Country of Georgia). Article of the 15th Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst. 2018. p. 97-103. DOI: 10.5038/9780991000982.1064
- Zaza Lezhava., Lasha Asanidze., Kukuri Tsikarishvili., George Gaprindashvili. Karst of Georgia. National Atlas of Georgia. Franz Steiner Verlag. Stuttgart, Germany. 2018. ISBN 978-3-515-12183-5.
- Lasha Asanidze., Nino Chikhradze., Zaza Lezhava., Kukuri Tsikarishvili., Jason S. Polk., George Lominadze., Nana Bolashvili. Complex Speleogenetic Processes and Mineral Deposition in the Caucasus Region of Georgia. mTriveni Enterprises. Journal of Environmental Biology. 2017. pp. 1107-1113. DOI: 10.22438/jeb/38/5(SI)/GM-30
- Lasha Asanidze., Zaza Lezhava., Nino Chikhradze. Speleological Investigation of the Largest Limestone Massif in Georgia (Caucasus). Scientific Research Publishing. Open Journal of Geology. 2017. pp. 1530-1537. ISSN Online: 2161-7589. ISSN Print: 2161-7570. DOI: 10.4236/ojg.2017.710102
- Lasha Asanidze., Zaza Lezhava., Kukuri Tsikarishvili., Nino Chikhradze., Jason S. Polk. Karst morphological processes and evolution of the limestone massif of Georgia from depositional, sedimentary, and structural investigations in Muradi Cave. Article of 17th International Congress of Speleology. Sydney, Australia. 2017. p. 241-247. ISBN 978-0-9588857-0-6
- Lasha Asanidze., Nino Chikhradze., Zaza Lezhava., Kukuri Tsikarishvili., Jason Polk., Giorgi Chartolani. Sedimentological Study of Caves in the Zemo Imereti Plateau, Georgia, Caucasus Region. Scientific Research Publishing. Open Journal of Geology. 2017. p. 465-477. ISSN Online: 2161-7589. ISSN Print: 2161-7570. DOI: 10.4236/ojg.2017.74032
- Lasha Asanidze., Guranda Avkopashvili., Kukuri Tsikarishvili., Zaza Lezhava., Nino Chikhradze., marika Avkopashvili., Zurab Samkharadze., Giorgi 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
- Zaza Lezhava., Nana Bolashvili., Kukuri Tsikarishvili., Lasha Asanidze., Nino 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. ISSN Online: 2161-7589, ISSN Print: 2161-7570, DOI:10.5038/9780991000951.1058
- Lewis Land & Lasha Asanidze. Rollalong Resistivity Surveys Reveal Karstic Paleotopography Developed on Near Surface Gypsum Bedrock. Proceedings of The Fourteenth Multidisciplinary Conference. Sinkholes and the Engineering and Environmental Impacts of Karst, Rochester, Minnesota, USA. 2015. p. 365-370. ISBN 978-0-9910009-5-1
- Zaza Lezhava., Kukuri Tsikarishvili., Nana Bolashvili., Lasha Asanidze., Nino Chikhradze. Preliminary outcomes of the Eki mountain Karst-hydrological and speleological study. Proceedings of international Conference-Applied Ecology: Problems, Innovations. Tbilisi, Georgia. 2015. p. 89-95. ISBN 978-9941-0-7644-2
- Levan G. Tielidze., Roman Kumladze., Lasha Asanidze. Glaciers Reduction and Climate Change Impact over the Last One Century in the Mulkhura River Basin, Caucasus Mountains, Georgia. Scientific Research. International Journal of Geosciences. 2015. Vol. 6, p. 465-472. ISSN Print: 2156-8359, ISSN Online: 2156-8367, DOI: 10.4236/ijg.2015.65036
- Levan, G. Tielidze., Nino, Lomidze., Lasha Asanidze. Glaciers Retreat and Climate Change Effect During the Last One Century in the Mestiachala River Basin, Caucasus Mountain, Georgia. Science Publishing Group. Earth Sciences, 2015, Vol. 4 (2). p. 72-79. DOI:10.11648/J.EARTH.20150402.12
- Lewis Land & Lasha Asanidze. Geophysical Investigation of Flood Induced Sinkhole Collapses, Lakewood Region, Addy County, New Mexico. National Cave and Karst Research Institute Report of Investigation 6. 2014. p. 5-43. ISBN: 978-0-9910009-3-7
- Lasha Asanidze., Kukuri Tsikarishvili., Nana Bolashvili. Speleology of Georgia. Proceedings of 16th International Congress of Speleology. 2013. Volume 1. p. 29-32. ISBN 978-80-87857-07-6
- Lasha Asanidze., Kukuri Tsikarishvili., Nana bolashvili. Cave Tourism Potential in Georgia. Proceedings & Abstracts of the 2nd International Symposium on Kaz Mountains (Mount Ida) and Edremit. 2013. p. 243-246. ISBN: 978-605-62253-6-9

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. Arsenic and Lead Content of Racha, Samegrelo and Zemo Svanetian Soils, Georgia. 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. sIvane Javakhishvili Tbilisi State University
- 7-8.11, 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
- 31.05-3.06, 2015. New Mexico Geological Society's 2015 Annual Spring Meeting. Rollalong Resistivity Surveys Reveal Karstic Paleotopography Developed on Near Surface Gypsum Bedrock, Lakewood, New Mexico. Socorro, NM. USA. New Mexico Geological Society
- 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.
- 19-22.10, 2014. The Geological Society of America's Annual Meeting in Vancouver, British Columbia. Geophysical Investigation of Sinkhole Collapses in Southeastern New Mexico. Vancouver, BC, Canada. 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
- 10-12.04, 2013. The 2nd International Symposium on Kaz Mountains (Mt. Ida) and Edremit-Human Environment Interactions and Ecology of Mountain Ecosystem. Cave Tourism Potential of Georgia. Edremit, Balikesir, Turkey. University of Balikesir

Research grants

- 20.09.2019-20.03.2020. The first high-resolution stable isotopes variations of speleothems in Georgia: A study of climate change over the past 12,000 years for future predict. State Department of US. Principal Investigator

- 20.09.2019-20.03.2020. Paleoclimate research using speleothems. University of Massachusetts, Amherst. US. Researcher
- 03.08.2016-03.02.2017. Monitoring Chiatura's polluted drinking waters (№SAMRS/2016/SG/04/GE). Slovak Agency for International Development Cooperation. Key personnel.
- 07.07.2017-07.01.2018. Measures to protect drinking water from pollution (№SAMRS/2017/SG/03/GE). Slovak Agency for International Development Cooperation. Key personnel.
- 2007-2009. Glacier's dynamics in the Caucasus, the climate change and modeling of river runoff. INTAS. England. Assistant personnel.
- 22.02.2019-22.02.2022. Classification of Karst Landscape of Georgia. Shota Rustaveli National Science Foundation of Georgia. Principal investigator.
- 20.09.2019-20.12.2019. Stable Isotope variation of Speleothems. International Education Center. Principal investigator.
- 20.12.2019-10.12.2020. Karst Map of Georgia. Shota Rustaveli National Science Foundation of Georgia. Principal investigator.
- 1.10.2017-31.12.2017. Speleogenesis in a variety of soluble rocks. International Education Center. Principal investigator.
- 01.03.2016-01.09.2016. Research of Speleological Resources of Georgia and their use in Practice. Shota Rustaveli National Science Foundation of Georgia. Principal investigator.
- 30.03.2015-30.03.2016. Speleo-Geomorphological study of the Racha limestone massif by using modern research methods. Shota Rustaveli National Science Foundation of Georgia. Principal investigator.
- 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. Key personnel.
- 04.04.2014-04.04.2016. Glaciological Catalog of Georgia. Shota Rustaveli National Science Foundation of Georgia. Key personnel.
- 17.09.2013-10.06.2014. Research of Karst Processes in Georgia. Shota Rustaveli National Science Foundation of Georgia. Principal investigator.
- 12.08.2012-10.09.2013. Speleological Research of Shaori karst Depression. Shota Rustaveli National Science Foundation of Georgia. Principal investigator.
- 2009-2012. Monitoring of Zopkhito Glacier mass balance on the background of climate change. Shota Rustaveli National Science Foundation of Georgia. Assistant personnel.

Internship

- U.S. 2020. University of Massachusetts. MA. State Department of US.
- U.S. 2019. University of Massachusetts. MA. International Education Center.
- Italy. 2017. University of Bologna. International Education Center.
- U.S. 2016. University of South Florida. FL. Shota Rustaveli National Science Foundation of Georgia.
- U.S. 2015. Western Kentucky University. KY. Shota Rustaveli National Science Foundation of Georgia.
- U.S. 2014. National Cave and Karst Research Institute. NM. U.S. Shota Rustaveli National Science Foundation of Georgia.

Other Activities

- 2017-present. Journal of Sustainable Geoscience and Geotourism. Switzerland. Reviewer
- 2019-2020. Member of Climate System Research Center at UMASS. U.S. Member
- 2016-present. Official Delegate of the European Speleological Federation. Member

Award

2015. The Medal of the Ivane Javakhishvili Tbilisi State University