

Giorgi Kirkitadze

Personal information

Contact Details

Email address: giorgi.kirkitadze@iliauni.edu.ge

Full name: Giorgi Kirkitadze

Citizenship: საქართველო

(Georgia)

Languages

| Language | Writing | Reading | Speaking |
|--------------------|---------|---------|----------|
| German | A1 | A1 | A1 |
| English | B2 | B2 | B2 |
| ქართული (Georgian) | C2 | C2 | C2 |

Education

Academic degree

Academic Degree: PhD student

Education

| Academic Degree | Name of the Institution | Country | Major discipline | Start year | End year |
|--|-----------------------------------|----------------------|-----------------------------------|------------|----------|
| PhD student | Ilia State University | საქართველო (Georgia) | GIS and Remote sensing specialist | 2016 | |
| Master/MS, MA, MR, MBA, m.Ed or other equivalent | Ilia State University | | Geography In GIS Technology | 2011 | 2014 |
| Bachelor/BS, BA, BE or other equivalent | Agriculture University of Georgia | | Food Technology | 2007 | 2010 |

Trainings / Seminars / Training courses

| Training / Seminar / The theme of the course | Organization name | Start year | End year |
|---|---|------------|----------|
| Analysis of drone photogrammetric and thermal infrared data, study of remote sensing monitoring systems and visit to the geotechnical labs. | University of Florence, Department of Earth Science | 2023 | 2023 |
| Qualification course in Geomatics | ISPRA (Rome, Italy) | 2022 | 2022 |
| Erasmus + exchange Program | University of Girona | 2020 | 2020 |
| Erasmus+ Exchange program | University of Tallinn | 2019 | 2019 |
| Erasmus+ Exchange program | University of Girona | 2018 | 2018 |
| Internship in digital aerial photogrammetry and paleo geography | Institute of Geography, University of Cologne | 2018 | 2018 |
| Unmanned Vehicles in Earth Sciences | University of Tartu | 2018 | 2018 |
| Internship in digital aerial photogrammetry | Institute of Geography, University of Cologne | 2017 | 2017 |
| Erasmus+ exchange programe | University of Girona | 2016 | 2016 |
| Climate Change and Sustainable Development | Ilia State University | 2016 | 2016 |

Projects**Ongoing projects**

| Project title | Position | Project head | Start Date | Donor |
|---|-----------------|-------------------|------------|--|
| “Geomatics for All: Education and Empowerment Series” | Project manager | Giorgi Kirkitadze | 10.06.2024 | LEPL International Educational Center of Georgia |

Completed projects

| Project title | Position | Project head | Start Date | End Date | Donor |
|--|--|---------------------|------------|------------|--|
| Prospecting of Water Tourism Potential for the High Mountain Lakes of Samtskhe-Javakheti Region | Lake mapping, Specialist for Aerial Photogrammetry and Geo-information systems | Luka Adikashvili | 01.10.2020 | 17.01.2022 | US Embassy in Georgia |
| Complex Study and Monitoring of Vanis Kvabebi Rockcut Complex-3 Stages | GIS and RS specialist | Mikheil Elashvili | 01.03.2019 | 30.11.2021 | National agency for cultural heritage preservation Georgia |
| Reconstruction of Late Holocene Paleoenvironmental Conditions of the Shiraki plain – Traces of Early State Formations in the Southern Caucasus | Young scientist, GIS and Remote Sensing specialist | Mikheil Elashvili | 01.03.2019 | 30.03.2024 | SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION OF GEORGIA |
| Reconstruction of Late Holocene Paleoenvironmental Conditions of the Shiraki plain – Traces of Early State Formations in the Southern Caucasus | Young scientist, GIS and Remote Sensing specialist | Mikheil Elashvili | 01.03.2019 | 29.03.2024 | SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION OF GEORGIA |
| Complex Study and Monitoring of Vardzia Rockcut Complex-8 Stages | GIS and RS specialist | Mikheil Elashvili | 01.02.2019 | 30.11.2021 | National agency for cultural heritage preservation Georgia |
| Uplistsikhe Rock Curved City- Complex Monitoring System and Urgent Actions of Consolidation and Preservation | GIS and RS specialist | Mikheil Elashvili | 18.11.2018 | 30.11.2021 | US Embassy in Georgia |
| Natural Disasters in the South Caucasus. historical earthquakes and attending Natural Phenomena in Historical Sources | GIS specialist | Darejan Kldiashvili | 01.12.2016 | 31.05.2021 | SHOTA RUSTAVELI NATIONAL SCIENCE FOUNDATION OF GEORGIA |
| High Mountain lakes as a key component of local environment, study of natural and man-made impacts | Specialist for Aerial Photogrammetry and Geo-information systems | Mikheil Elashvili | 01.03.2016 | 01.03.2020 | International Science and Technology Center -ISTC |
| Multidisciplinary research of Aradeti Orgora | GIS specialist | Mikheil Elashvili | 01.05.2012 | 31.08.2012 | School of Engineering, Iliia State University |

Scientific Fields (2018-2020)**Main Field**

Field: 1. Natural sciences

Sub-Field: 1.5 Earth and related environmental sciences

Subject area: 1.5.1 Geosciences, multidisciplinary

Additional Field (1)

Field: 2. Engineering and technology

Sub-Field: 2.7 Environmental engineering

Subject area: 2.7.3 Remote sensing

Additional Field (2)

Field: 1. Natural sciences

Sub-Field: 1.5 Earth and related environmental sciences

Subject area: 1.5.5 Physical geography

Scientific Fields (2021-2024)

Main Field

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.10 Earth System Science

Subject area: 1.10.14 Earth observations from space/remote sensing

Additional Field (1)

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.10 Earth System Science

Subject area: 1.10.13 Physical geography, geomorphology

Additional Field (2)

Field: 3. Social Sciences and Humanities

Sub-Field: 3.7 Human Geography, Demography, Territorial Planning

Subject area: 3.7.10 GIS, spatial analysis; big data in geographical studies

Employment History

Current place(s) of employment

| Workplace | Name of the work department | Position | Main responsibilities | Start Date |
|-----------------------|--|---------------------|-----------------------|------------|
| Ilia State University | School of business, Technology and Education | Assistant Professor | Research and teaching | 05.09.2023 |

Work experience

| Company/Institution | Name of the department | Position | Main responsibilities | Start Date | End Date |
|----------------------------|---|--------------------|---|------------|------------|
| University of Girona | Faculty of Arts | Professor | Teaching | 29.01.2025 | 24.02.2025 |
| San Diego State University | Civil Engineering | Professor | Teaching and Course Development. | 13.01.2025 | 30.06.2027 |
| Ilia State University | Institute of earth sciences | Seismologist | Preliminary seismic data processing | 01.01.2013 | 01.05.2013 |
| Ilia State University | Research centre for cultural heritage and environment | Invited researcher | Geo-information systems, Digital mapping, Aerial photogrammetry | 01.01.2013 | 31.12.2023 |

Scientific Productivity

| Type | Authors | Publication title | Source title | Year |
|-----------|---|---|---|------|
| Article | Laermanns, Hannes; Elashvili, Mikheil; Kirkitadze, Giorgi; May, Simon Matthias; Kelterbaum, Daniel; Papuashvili, Revaz; Brückner, Helmut | The Bronze Age occupation of the Black Sea coast of Georgia – new insights from settlement mounds of the Colchian plain | Geoarchaeology | 2024 |
| Article | Levan Losaberidze, Giorgi Kirkitadze, Mate Akhalaia, Mikheil Lobjanidze, Michael Zimmerman, and Mikheil Elashvili | New insights into complex social organization in the southern Caucasus – Late Bronze Age–Early Iron Age settlement patterns in the Shiraki Plain (southeast Georgia) | E&G Quaternary Science Journal | 2024 |
| Article | Hans Von Suchodoletz1 *, Giorgi Kirkitadze 2 , Tiiu Koff 3 , Markus L. Fischer 1,4 , Rosa M. Poch5 , Azra Khosravichenar 1 , Birgit Schneider 1 , Bruno Glaser6 , Susanne Lindauer 7 , Silvan Hoth8 , Anna Skokan9 , Levan Navrozashvili 2 , Mikheil Lobjanidze 2 , Mate Akhalaia 2 , Levan Losaberidze10 and Mikheil Elashvili | Human-environmental interactions and seismic activity in a Late Bronze to Early Iron Age settlement center in the southeastern Caucasus | Frontiers in Earth Science | 2022 |
| Article | William Frodella, Mikheil Elashvili, Daniele Spizzichino, Giovanni Gigli, Akaki Nadaraia, Giorgi Kirkitadze, Luka Adikashvili, Claudio Margottini, Nikoloz Antidze, Nicola Casagli | Applying Close Range NonDestructive Techniques for the Detection of Conservation Problems in RockCarved Cultural Heritage Sites | Remote Sensing | 2021 |
| Article | William Frodella, Mikheil Elashvili, Daniele Spizzichino, Giovanni Gigli, Luka Adikashvili, Nikoloz Vacheishvili, Giorgi Kirkitadze, Akaki Nadaraia, Claudio Margottini and Nicola Casagli | Combining InfraRed Thermography and UAV Digital Photogrammetry for the Protection and Conservation of Rupestrian Cultural Heritage Sites in Georgia: A Methodological Application | Remote Sensing | 2020 |
| Article | Hannes Laermanns , Simon Matthias May, Daniel Kelterbaum, Giorgi Kirkitadze, Stephan Opitz Levan Navrozashvili, Mikheil Elashvili, and Helmut Brückner | Coastal lowland and floodplain evolution along the lower reaches of the Supsa River (western Georgia) | EG Quaternary Science Journal | 2019 |
| Monograph | Dimitri Akhvlediani, Mikheil Elashvili, Giorgi Kirkitadze, Giorgi Asatiani, Sul Khan Kharabadze | Materials for archaeological map of Colchis V-I C.BC. | | 2017 |
| Article | Hannes Laermanns; Giorgi Kirkitadze; Simon Matthias May; Daniel Kelterbaum; StephanOpitz; Arne Heisterkamp; Giorgi Basilaia; Mikheil Elashvili; Helmut Brückner. | Bronze Age settlement mounds on the Colchian plain at the Black Sea coast of Georgia: A geoarchaeological perspective | Geoarchaeology | 2017 |
| Article | Avtandil Okrostsvardidze, Mikheil Elashvili, Nino Popkhadze, Giorgi Kirkitadze. | New Data on the Geological Structure of the Vardzia Cave City, Georgia | | 2016 |
| Article | Mikheil Elashvili, Nikoloz Vacheishvili, Giorgi Basilaia, Davit Chkhaidze, Davit Kvavadze, Giorgi Kirkitadze, Luka Adikashvili | Complex monitoring of Vardzia | Old art | 2016 |
| Article | Konstantin Pitskhelauri, Mikheil Elashvili, Giorgi Kirkitadze, Levan Navrozashvili, Giorgi Asatiani | Reconstruction of paleo-environment of Shiraki plain – Traces of early state formations in southern Caucasus. Preliminary results (In Georgian) | Bulletin of the Georgian National Academy of Sciences | 2016 |
| Article | Nino Chikhradze, Renato Henriques , Mikheil Elashvili, Giorgi Kirkitadze, Zurab Janelidze, Nana Bolashvili, George Lominadze | Close range photogrammetry in the survey of the coastal area geoecological conditions (on the Example of Portugal) | Earth Sciences | 2015 |

Scholarships and awards

| Scholarships/awards name | Issuer | Year of Issue |
|--|---|---------------|
| Azercosmos grant for scientists | "AZERCOSMOS" OPEN JOINT STOCK COMPARTY MINISTRY OF TRANSPORT, COMMUNICATIONS AND HIGH TECHNOLOGIES OF THE REPUBLIC OF AZERBAIJANI | 2017 |
| USA grants for young scientists. Discovering potential seismic sources in the Caucasus using virtual-reality based data analysis and development of a cyber-enabled geosciences workforce in Georgia | USAID | 2013 |

Participation in scientific events

| Scientific event name | Title of the presentation | Event venue | Year |
|---|--|-----------------------|------|
| The EGU General Assembly 2020 | Reconstructing the Holocene paleoenvironment of the semi-arid Shiraki Plain of eastern Georgia – a center of settlement activity during the Late Bronze and Early Iron age | Online | 2020 |
| XX International User Conference of Geoinformation Systems and Remote Sensing | Using close-range digital aerial photogrammetry in the studies of rock-cut sites, documentation and monitoring of landslide processes. | Tbilisi | 2019 |
| Sustainable conservation of UNESCO and other heritages sites through proactive geosciences | Complex Environmental Monitoring and Study of Rock Cut Monuments in Georgia • Monitoring and Preservation Concept | Luxor-Aswan, Egypt | 2019 |
| Central European Conference on Geomorphology and Quaternary Sciences | Dikhagudzuba settlement mounds on the Colchian plain – New insights into Bronze Age occupation on the Black Sea coast of Georgia | Giessen, Germany | 2018 |
| Unmanned Vehicles in Earth Sciences | Drones in Earth Sciences | Tartu, Estonia | 2018 |
| 1st International Conference on “Geomatics and Restoration: Conservation of Cultural Heritage in the Digital Era” | TLS vs. Terrestrial photogrammetry Façade comparison | Florence, Italy | 2017 |
| AMK meeting (Arbeitskreis Meere und Küsten) | Bronze Age settlement mounds on the Colchian plain at the Black Sea coast of Georgia | Braunschweig, Germany | 2017 |
| Batumi international Conferences on Geosciences | Dikhagudzuba – a geoarchaeological perspective on Bronze Age settlement mounds on the Colchian plain (Western Georgia) | Batumi, Georgia | 2017 |
| 16th INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE. IISGEM 2016 | Using Photogrammetric technique in earth sciences, application from Vardzia rock-cut city complex | Albena, Bulgaria | 2016 |
| EGU assembly, Session: GM6.2/SSS3.10 Geoarchaeology | "Geoarchaeological research on Bronze Age settlement mounds in the Kolkheti lowlands at the Black Sea coast of Georgia" | Vienna, Austria | 2016 |
| 6th Young Geomorphologist's day, Geomorphology for Society | USE OF THE PHOTOGRAMMETRIC METHOD IN EARTH SCIENCES: EXAMPLE OF VARDZIA MUSEUM RESERVE | Cagliari, Italy | 2015 |
| XV International User Conference of Geoinformation Systems and Remote Sensing | "Use photogrammetric method in geoarchaeology, for example Arateti hill" | Tbilisi, Georgia | 2013 |

Productivity index

| # | Citation index | h-index |
|----------------|----------------|---------|
| Google scholar | 89.00 | 4.00 |
| Scopus | 65.00 | 4.00 |