

Mikheil Elashvili

personal information

Contact Details

Email address: mikheil_elashvili@iliauni.edu.ge

Full name: Mikheil Elashvili

Country: საქართველო (Georgia)

Gender: Male

City: Tbilisi

Citizenship: საქართველო
(Georgia)

Languages

Language	Writing	Reading	Speaking
Russian	C1	C2	C2
English	C2	C2	C2
ქართული (Georgian)	C2	C2	C2

Education

Academic degree

Academic Degree: Doctoral/PhD, Ed.D or other equivalent

Year obtained: 01.07.2004

Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	Georgian National Academy of Sciences	საქართველო (Georgia)	Physics and Mathematics	2000	2004
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Tbilisi State University	საქართველო (Georgia)	Applied Mathematics and Modelling	1997	1999
Bachelor/BS, BA, BE or other equivalent	Tbilisi State University	საქართველო (Georgia)	Mathematics	1993	1997

Trainings / Seminars / Training courses

Training / Seminar / The theme of the course	Organization name	Start year	End year
Junior Faculty Development Program (JFDP)	American Councils, Washington DC (USA)	2011	2012
Deformation Measurements and Understanding Natural Hazards	IAG-IASPEI/IUGG, Trieste (Italy)	2005	2005
Moment tensor inversion - practical for beginners	European Seismological Commission	2004	2004
Young Seismologists training course	European Seismological Commission, Genoa (Italy)	2002	2002
Oil Spill Modelling	NIMA, Tbilisi (Georgia)	2001	2001
Geographic Information Systems	ESRI and DATA+, Moscow (Russia)	2000	2000
Seismic Hazard Assessment and Risk Mitigation	China Seismological Bureau, Beijing (China)	1999	1999
Seismic monitoring and data analysis	National Geophysical Research Institute, Hyderabad (India)	1998	1998

Projects

Ongoing projects

Project title	Position	Project head	Start Date	Donor
Caucasus Glaciation in Holocene – Paleoclimate Reconstruction	Main Personnel	Levan Tielidze	01.01.2024	Shota Rustaveli National Science Foundation
SIMuR: Shiraki International Multidisciplinary Undergraduate Research Project	International Collaborator	Polina Sabinin	01.02.2019	US National Science Foundation

Completed projects

Project title	Position	Project head	Start Date	End Date	Donor
Climate change and human-environment interaction in the Black Sea Coastal Areas from the second half of Holocene until Present	Principal Investigator	Mikheil Elashvili	01.05.2023	31.12.2023	EU fellowships for Georgian researchers
The Georgia Historical Ice Core Project (GHICP): saving, understanding and promoting a vanishing climate and cultural history of central Eurasia	Project Manager	Mikheil Elashvili	01.02.2020	31.07.2021	Global Challenges Research Fund, UK
Complex Study and Monitoring of Vanis Kvabebi Rock cut Complex - 3 Stages	Project Manager	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	Project Meneger	Mikheil Elashvili	22.02.2019	29.03.2024	შოთა რუსთაველის საკართველოს ეროვნული სამეცნიერო ფონდი
Complex Study and Monitoring of Gareji Rock cut MoOnastery Complexes (Saberebi, Mravaltskaro) - 3 Stages	Project Manager	Mikheil Elashvili	01.02.2019	30.11.2021	National agency for cultural heritage preservation Georgia
Uplitsikhe Rock Curved City - Complex Monitoring System and Urgent Actions of Consolidation and Preservation	Project Meneger	Mikheil Elashvili	30.11.2018	30.11.2021	US Embassy in Georgia
Natural Catastrophes in South Caucasus: Historical Earthquakes and Associated Natural Phenomena from ancient times till XIX century	coordinator	Darejan Kldiashvi	09.01.2017	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	Project Manager	Mikheil Elashvili	01.03.2016	01.03.2021	International Science and Technology Center ISTC
Complex Study and Monitoring of Vardzia Rock cut Complex - 8 Stages	manager	Mikheil Elashvili	01.02.2014	25.12.2021	National agency for cultural heritage preservation Georgia
2013 international conference on "Caucasus Active Tectonics and Magmatism – Hazards and Resources"	Member of Organizing Committee	Archil Magalashvili	15/09/2013	31/12/2013	Georgian National Science Foundation, Project # C F/73/9-150/13

Project title	Position	Project head	Start Date	End Date	Donor
Multifunctional Data Acquisition and Processing System for the Complex Environmental Monitoring	Project manager	Mikhail Elashvili	01.01.2013	31.12.2015	Rustaveli Georgian National Science Foundation, Project # AR/327/9-240/12
Discovering potential seismic sources in the Caucasus using virtual-reality based data analysis and development of a cyber-enabled geosciences workforce in Georgia	Private Investigator	Mikhail Elashvili	01.01.2012	31.12.2015	PEER PGA-2000001895
Development of a new MS program: Climate Change and Sustainable Development with the Emphasis on the Southern Caucasus	Consultant	Mariam Elizbarashvili	01.01.2010	31.12.2011	CRDF GEE1-9109-TB-10
Caucasus Seismic Emergency Response (CauSER)	Researcher	Zurab Javakhishvili	01.01.2009	31.12.2011	NATO SFP # 983284
Seismic Hazard and Risk Assessment of Georgia – Modern Approach	Project manager	Mikhail Elashvili	01.01.2008	31.12.2009	Georgian National Science Foundation project #210
Open network of scientific Centers for mitigation risk of natural hazards in the Southern Caucasus and Central Asia	Project Sub-Manager from Georgia	Mikhail Elashvili	01.01.2007	31.12.2009	ISTC #A-1418
Tsunami Risk and Strategies For the European Region (TRANSFER)	GIS expert	Stefano Tinti	01.10.2006	30.09.2009	EU Sixth Framework Programme, Project # 037058
Development of Multifunctional Geophysical Data Acquisition System	Project manager	Mikhail Elashvili	01.01.2006	31.12.2007	Civilian Research and Development Foundation, Project # GEG2-5055-TB-05
Derivation velocity model of Georgia and adjacent territories and detraction of earthquake source dynamic parameters in Caucasus with waveform modeling	Main Personal	Tea Godoladze	01.01.2006	31.12.2008	Georgian National Science Foundation project #229
Modernization and development of Seismic Network of Georgia	Researcher	Zurab Javakhishvili	01.01.2005	31.12.2006	Georgian research and Development Foundation, Project #GEG2-3334-TB-03
Caspian-Black Sea-Mediterranean Corridor during the last 30 ky: Sea level change and human adaptive strategies	Researcher	Valentina Yanko-Hombach	01.01.2005	31.12.2011	UNESCO, IGCP 521- INQUA 501
Seismic hazard assessment for the Tbilisi test Area – SETA	Researcher	Daniel Nieto	01.01.2004	31.12.2007	Ministry of Foreign Affairs of Italy
Caucasian Seismic Information Network for Hazard and Risk Assessment	Researcher	Zurab Javakhishvili	01.01.2004	31.12.2004	International Science and Technology Center (ISTC) project #A-651
Establishment of Digital Seismic Network in Tbilisi Metropolitan Area	Researcher	Zurab Javakhishvili	01.01.2003	31.12.2004	Georgian research and Development Foundation, Project #GRDF 3314/12195

Project title	Position	Project head	Start Date	End Date	Donor
Seismic Risk in large Cities of Caucasus. Tools for Risk Management	Researcher	თამაზ ჭილაძე	01.01.2001	31.12.2003	ATO SFP # 974320
Seismic Hazard Assessment for Big Cities in Georgia Using the Modern Concept of Seismic Microzonation with Consideration of Soil Non-linearity	Researcher	Vladimer Zaalishvili	01.01.1999	31.12.2001	INTAS project# 97-0870

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: 2.7.1 Environmental and geological engineering, geotechnics

Additional Field (2)

Field: 7. Georgian studies

Sub-Field: 7.1 Natural Studies

Subject area: 7.1.5 Earth and related environmental sciences

Scientific Fields (2021-2024)

Main Field

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.10 Earth System Science

Subject area: 1.10.6 Palaeoclimatology, palaeoecology

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: 1. Physical Sciences and Engineering

Sub-Field: 1.10 Earth System Science

Subject area: 1.10.20 Geohazards

Employment History

Current place(s) of employment

Workplace	Name of the work department	Position	Main responsibilities	Start Date
Ilia State University	Cultural Heritage and Environment Research Center	Director	leading and supervising	01.12.2017
Ilia State University	School of Natural Sciences and Medicine	professor	Research and Academic Activities	01.09.2008

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
Ilia State University	Cultural Heritage and Environment Research Center	Deputy Director	support the executive director in the development and implementation of the Foundation's strategic plans and policies, and to provide leadership and direction to the CTO and other technical staff.	01.01.2016	31.12.2017
Ilia State University	School of Engineering	Dean	Faculty leadership Leadership of the Institute Academic activities Research and training	01.01.2013	31.12.2014
Ilia State University	School of Engineering	Associated Professor	teaching, research, and service	01.01.2011	31.12.2014
Ilia State University	Institute of Earth Sciences	Deputy Director	support the executive director in the development and implementation of the Foundation's strategic plans and policies, and to provide leadership and direction to the CTO and other technical staff.	01.01.2010	31.12.2012
Ilia State University	School of Engineering	Assistant Professor	Develop professional logistics to improvise student performance. Guide, lead and mentor students in research projects. Evaluate, monitor and mentor student academic progress. Create, innovate and implement career-enhancement programs and activities.	01.01.2008	31.12.2011
Seismic Monitoring Center	Seismic Monitoring Center	Deputy Director	support the executive director in the development and implementation of the Foundation's strategic plans and policies, and to provide leadership and direction to the CTO and other technical staff.	01.01.2006	31.12.2010
Institute of Geophysics	Department of Regional Seismology	Head of Department	leading, managing and developing the department	01.01.2004	31.12.2005
Institute of Geophysics	Department of Regional Seismology	Researcher	Scientific Research	01.01.1996	31.12.2004

Scientific Productivity

Other products

Product Type	Registration number	Product Description	Year of Issue
Other		Georgia's second BIENNIAL UPDATE REPORT (SBUR) Climate change mitigation policy and measures, 2019	2019
Other		Georgia's BIENNIAL UPDATE REPORT (SBUR) Climate change mitigation policy and measures, 2017	2017

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	Hannes Laermanns, Mikheil Elashvili, Giorgi Kirkitadze, Christopher P. Loveluck, Simon Matthias May, Daniel Kelterbaum, Revaz Papuashvili, Helmut Brückner	The Bronze Age occupation of the Black Sea coast of Georgia—New insights from settlement mounds of the Colchian plain	Geoarchaeology	2024
Article	Dilek Koptekin, et all (total 55)	Spatial and temporal heterogeneity in human mobility patterns in Holocene Southwest Asia and the East Mediterranean	Current Biology	2023
Article	Gisela Domej, Marco Previtali, Riccardo Castellanza, Daniele Spizzichino, Giovanni B. Crosta, Alberto Villa, Nicoletta Fusi, Mikheil Elashvili, Claudio Margottini,	High Resolution 3D FEM Stability Analysis of the Sabereebi Cave Monastery, Georgia	Rock Mechanics and Rock Engineering	2022

Type	Authors	Publication title	Source title	Year
Article	Hans Von Suchodoletz, Giorgi Kirkitadze, Tiiu Koff, Markus L. Fischer, Rosa M. Poch, Azra Khosravichenar, Birgit Schneider, Bruno Glaser, Susanne Lindauer, Silvan Hoth, Anna Skokan, Levan Navrozashvili, Mikheil Lobjanidze, Mate Akhalaia, Levan Losaberidze, 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, et al.	Applying Close Range Non-destructive Techniques for the Detection of Conservation Problems in Rock-Carved Cultural Heritage Sites	Remote Sensing	2021
Article	William Frodella, Mikheil Elashvili, et al.	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	Laermanns, H., May, S. M., Kelterbaum, D., Kirkitadze, G., Opitz, S., Navrozashvili, L., Elashvili, M., and Brückner, H	Coastal lowland and floodplain evolution along the lower reaches of the Supsa River	Quaternary Science Journal	2019
Article	Hannes Laermanns, Daniel Kelterbaum, Simon Matthias May, Mikheil Elashvili, Stephan Opitz, Daniela Hülle, Julian Rolkens, Jan Verheul, Svenja Riedesel, Helmut Brückner	Mid- to Late Holocene landscape changes in the Rioni delta area (Kolkheti lowlands, W Georgia)	Quaternary International	2017
Article	Hannes Laermans, Mikheil Elashvili et al	Bronze Age settlement mounds on the Colchian plain at the Black Sea coast of Georgia – a geoarchaeological perspective	Geoarchaeology	2017
Article	Daniele Spizzichino, Daniela Boldini, William Frodella, Mikheil Elashvili and Claudio Margottini,	Landslide risk analysis and mitigation for the ancient rock-cut city of Vardzia	Proceedings of 2017 IPL Symposium, UNESCO	2017
Article	E. Cougill, M. Elashvili, et al	Relict basin closure and crustal shortening budgets during continental collision: An example from Caucasus sediment provenance	Tectonics	2016
Article	N. Jorjiashvili, M. Elashvili, M. Gigiberia, I. Shengelia,	Seismic hazard analysis of Adjara region in Georgia	Natural Hazards	2016
Article	N. Chikhradze, R. Henriques, M. Elashvili, G. Kirkitadze, Z. Janelidze, N. Bolashvili, G. Lominadze	Close Range Photogrammetry in the Survey of the Coastal Area Geocological Conditions (on the Example of Portugal)	Earth Sciences	2015
Article	Adam M. Forte, Dawn Y. Sumner, Eric Cowgill, Marius Stoica, Ibrahim Murtuzayev, Talat Kangarli, Mikheil Elashvili, Tea Godoladze, Zurab Javakhishvili	Late Miocene to Pliocene stratigraphy of the Kura Basin, a subbasin of the South Caspian Basin: Implications for the diachroneity of stage boundaries	BASIN RESEARCH	2014
Article	C.J. van Westen, M. Elashvili, et al	Atlas of Natural Hazards & Risks of Georgia	Caucasus Environmental NGO Network	2012
Article	Wyss M., M. Elashvili, N.Jorjiashvili, Z. Javakhishvili	Uncertainties in Teleseismic Earthquake Locations: Implications for Real-Time Loss Estimates	Bulletin of the Seismological Society of America	2012
Article	Nikolaeva E., Elashvili M., Dzhavakhishvili Z	Investigation of Tbilisi fault on the basis of remote sensing	Dangerous natural and anthropogenic geological processes in the mountain and foothill territories of northern Caucasus", ISBN 978-5-93000-050-4, pp. 397-399 (in Russian)	2008
Article	Slejko D., Z. Javakhishvili, A. Rebez, M. Santulin, M. Elashvili, P.L. Bragato, T. Godoladze and J. Garcia	Seismic hazard assessments for the Tbilisi test area (Eastern Georgia)	Bollettino di geofisica: Teorica ed Applicata	2008
Article	Javakhishvili Z., M. Elashvili, T. Godoladze, N. Jorjiashvili	Seismic Hazard Assessment of the Caucasus region	the Atlas of GIS based maps of natural disaster hazards for the Southern Caucasus	2007

Type	Authors	Publication title	Source title	Year
Article	Z. Javakhishvili, T. Godoladze, M. Elashvili, T. Mukhadze And I. Timchenko	The Tbilisi earthquake of April 25, 2002 in the context of the seismic hazard of the Tbilisi urban area	Bollettino Di Geofisica Teorica ed Applicata	2004

Scholarships and awards

Scholarships/awards name	Issuer	Year of Issue
President's Scholarship	Georgian Academy of Sciences	2003
Award of Geophysical Society	Georgian Geophysical Society	1998

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
ASOR 2023 Annual Meeting	The 2023 Shiraki International Multidisciplinary Research Project (SIMuR)	Chicago, USA (online)	2023
Climate Change and Human-Environmental Interaction in Caucasus	Glacial Extends and Fluctuations in Greater Caucasus from LGM	Paris, France	2023
ASOR 2022 Annual Meeting	Holocene Paleoenvironmental Evolution of a Shiraki Plain (south-eastern Caucasus) in Connection with Late Bronze to Early Iron Age Settlement Activity	Boston, USA	2022
ASOR Annual Meeting 2021	Climate Change and Adaptation at the Shiraki Plateau	Chicago, USA (online)	2021
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	Viena, Austria (Online)	2020
Davit Gareji – Multidisciplinary Study and Development Strategy	Complex Environmental Monitoring and Study of Rock Cut Monuments in Georgia – Gareja Monitoring and Preservation Concept	Tbilisi, Georgia	2019
2017 IPL Symposium, UNESCO	Landslide risk analysis and mitigation for the ancient rockcut city of Vardzia (Georgia)	France, Paris	2017
EGU General Assembly 2016	Concept of Complex Environmental Monitoring Network, Vardzia RockCut City Case Study	Vienna, Austria	2016
EGU General Assembly 2015	Study of settlement distribution pattern in the Kolkheti lowland (Black Sea coast of Georgia) starting from early Bronze Age - natural and human influence and adaptation to landscape evolution	Vienna, Austria	2015
American Geophysical Union (AGU) 2014 Fall Meeting	The Holocene landscape development of the Gareja region in eastern Georgia – an interdisciplinary approach	San Francisco, USA	2014
American Geophysical Union (AGU) 2012 Fall Meeting	Historical and Paleo Events as an input for Seismic And Associated Natural Hazard Assessment of Javakheti highland (South Georgia)	San Francisco, USA	2012
American Geophysical Union (AGU) 2011 Fall Meeting	INVESTIGATION OF ACTIVE FAULT SCARPS BY MEANS OF GEOPHYSICAL PROSPECTING METHODS, JAVAKHETI FAULT CASE	San Francisco, USA	2011
Tsunami Strategy for the European Regions, TRANSFER	3D model of Cadiz City in GIS	Cádiz, Spain	2008
Tsunami Strategy for the European Regions, TRANSFER	GIS Data Management and Dissemination	Rhodes, Greece	2007
American Geophysical Union (AGU) 2007 Fall Meeting	Understanding Seismic Hazard in the Caucasus. Past, Present and Future	San Francisco, USA	2007
NDC EVALUATION WORKSHOP, CTBTO	Seismic Monitoring And Data Acquisition In Georgia	Kiev, Ukraine	2006
XXIX General Assembly of European Seismological Commission	New Developments In The Field Of Seismic Monitoring And Data Acquisition In Georgia	Potsdam, Germany	2004

Scientific event name	Title of the presentation	Event venue	Year
XVIII General Assembly of European Seismological Commission	Early Instrumental Data From Caucasus	Genoa, Italy	2002

Productivity index

#	Citation index	h-index
Google scholar	383.00	10.00