

George Kordzakhia

Personal Information

Name Surname: **George Kordzakhia**
Date of Birth: 1947-09-08
Sex: Male
Citizenship: Georgian
Phone: 995
Email: giakordzakhia@gmail.com



Education

Academic Degree: Ph.D./Equivalent to Ph.D
Educational Institution: POSTgraduate Course of Hydrometeorological Centre
Qualification: Geophysics
Date of grant: 1975-11-01
Country: Moscow, Russia

Academic Degree: Master's/Equivalent to Master's
Educational Institution: Iv. Javakhishvili Tbilisi state University
Qualification: Physicist theorist
Date of grant: 1970-08-01
Country: Georgia

Work Experience

Organization: Georgian Technical University
Structural Unit: Institute OF Hydrometeorology
Position: Senior Researcher
Date of commencement of work: 2023-11-01
Date of completion of work: 2024-03-03

Organization: Georgian Technical University
Structural Unit: Institute of Hydrometeorology
Position: researcher
Date of commencement of work: 2015-05-15
Date of completion of work: 2021-01-01

Organization: National Environmental Agency
Structural Unit: Hydrometeorology Department
Position: Deputy Head OF Department
Date of commencement of work: 2012-06-04

Date of completion of work: 2020-07-08

Organization: Georgian Technical University
Structural Unit: Institute of Hydrometeorology
Position: Senior Research Officer
Date of commencement of work: 2011-01-01
Date of completion of work: 2018-05-15

Organization: National Environmental Agency
Structural Unit: International Relations Office
Position: Head of Office
Date of commencement of work: 2008-09-01
Date of completion of work: 2012-06-03

Organization: Ministry OF Science and Education OF Georgia
Structural Unit: Institute OF Hydrometeorology
Position: Senior Researcher
Date of commencement of work: 2004-01-01
Date of completion of work: 2010-01-01

Organization: National Environmental Agency
Structural Unit: International Relations Division
Position: Head of Division
Date of commencement of work: 2000-01-01
Date of completion of work: 2008-09-01

Organization: State Department OF Hydrometeorology
Structural Unit: Climate Research Center
Position: Deputy Director
Date of commencement of work: 1997-01-01
Date of completion of work: 1999-01-01

Organization: Institute OF Hydrometeorology at State
Hydrometeorological Committee OF USSR
Structural Unit: Weather Forecasting Department
Position: Head of Department
Date of commencement of work: 1988-01-01
Date of completion of work: 1997-01-01

Organization: State Hydrometeorological Committee OF USSR
Structural Unit: Weather Forecasting Sector
Position: Senior Research OFFicer
Date of commencement of work: 1976-01-01
Date of completion of work: 1987-01-01

Organization: State Hydrometeorological Committee OF USSR
Structural Unit: Institute OF Hydrometeorology
Position: Junior Researcher Project participant
Date of commencement of work: 1970-07-01
Date of completion of work: 1976-01-01

Qualification Raising

Trainings

Organization: Norwegian Water Directorate, Platform ZOOM
Subject: Training "Water Assessment issues".
Country: Georgia, Tbilisi
Date: 2020-11-20

Organization: UNDP, GEF
Subject: Flood risk management training
Country: Georgia, Tbilisi
Date: 2020-10-26

Organization: INTERNATIONAL CENTRE FOR HYDROPOWER -
a centre of expertise for the world of hydropower
industry
Subject: Webinar - Hydropower Development, Stakeholders
and Impact Considerations
Country: Georgia, Tbilisi
Date: 2020-10-06

Organization: WMO
Subject: First Steering Committee Meeting (SCM 1) Black
Sea and Middle East Flash Flood Guidance
(BSMEFFG) System
Country: Georgia, Tbilisi
Date: 2016-06-28

Organization: European Commission
Subject: TAIEX - Capacity Building Workshop on Horizon
2020, Participation in workshop activities
Country: Georgia, Tbilisi
Date: 2016-05-10

Organization: WMO, World Bank, USAID

Subject: Training Workshop For National Meteorological and Hydrological Services (NMHSs) on Designing Socio-Economic Benefits Studies of Meteorological / Hydrological Services and Products For Members of Regional Association VI (Europe)
Country: Croatia, Zagreb
Date: 2015-06-29

Organization: WMO
Subject: INTAD-6 Capacity Building Workshop on External Relations and Capacity Development Strategies, Role of Advisor on External Relations to PR Existing Practice in Georgia
Country: Turkey, Alania
Date: 2015-05-11

Organization: WMO
Subject: Role of Wigos Perspectives in Operational Practice of NMHS of Georgia. RA VI (Europe) WIGOS
Country: Serbia, Belgrade
Date: 2015-02-10

Organization: FAO
Subject: Thematic Workshop on Climate Change: Practical Information and Request For Input. Land use/Soil resources/ /Desertification
Country: Greece, Athens
Date: 2014-04-30

Organization: EU
Subject: EU-EaP STI Cooperation in Addressing Climate Change Best Practices Studies
Country: Armenia, Yerevan
Date: 2014-04-15

Projects & Grants

Name of the project/grant: Minimization of manganese pollution of ecosystems and food products and risks of elemental phenomena in Chiatura municipality aimed to the reduction of soil degradation
Position: researcher
Donor: Shota Rustaveli National Science Foundation FR-23-6375
Leader Organization: Institute of Hydrometeorology of the Technical University of Georgia
Start | End Date: 2023-12-18 - 2026-12-18

Name of the project/grant: Atlas of modern Georgian glaciers
Position: Responsible executor
Donor: Georgian Technical University
Leader Organization: Institute of Hydrometeorology
Start | End Date: 2023-01-01 - 2027-01-01

Name of the project/grant: Research on the glacier degradation in Georgia over recent decades and creation of the "Electronic Atlas of Georgian Glaciers", FR-21-1996
Position: Principal Investigator
Donor: Shota Rustaveli National Science Foundation FR-21-1996
Leader Organization: Institute of Hydrometeorology of the Technical University of Georgia
Start | End Date: 2022-03-21 - 2025-03-21

Name of the project/grant: Scaling-up Multi-Hazard Early Warning System and the Use of Climate Information in Georgia"
Position: Member of Project Implementation Unit (PIU) of the Green climate Fund (GCF) project
Donor: Green Climate Fund (GCF)
Leader Organization: National Environmental Agency
Start | End Date: 2018-12-01 - 2024-12-31

Name of the project/grant: European Maritime Observation and Data Network (EMODnet)
Position: Manager on behalf of the project subcontractor organization
Donor: European Union under Regulation (EU) No 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund
Leader Organization: National Environmental Agency
Start | End Date: 2018-08-01 - 2020-12-31

Name of the project/grant: Institutional cooperation between NVE and MOESD, GTU and NEA of Georgia.
Position: Manager on behalf of the project subcontractor organization (National Environment Agency (NEA)).
Donor: Ministry of Foreign Affairs of Norway (MFA)
Leader Organization: National Environmental Agency
Start | End Date: 2018-01-01 - 2022-01-01

Name of the project/grant: Study of Georgian Glaciers Degradation and Forecast of their Melting Due to Modern Climate Change, IHM-20- 43-GTU- CD-5702 01.01.2018 31.12.2020

Position: Responsible executor
Donor: Georgian Technical University
Leader Organization: Institute of Hydrometeorology
Start | End Date: 2018-01-01 - 2020-12-31

Name of the project/grant: European Maritime Observation and Data Network (EMODnet)
Position: Manager on behalf of the project subcontractor organization
Donor: The United Nations Development Program (UNDP) and the Global Environment Facility (GEF)
Leader Organization: National Environmental Agency
Start | End Date: 2018-01-01 - 2020-12-31

Name of the project/grant: Advancing Integrated Water Resources Management in the Kura River Basin
Position: Member of the project implementing Unit
Donor: UNDP-GEF Kura II Grant Project
Leader Organization: National Environmental Agency
Start | End Date: 2018-01-01 - 2020-12-31

Name of the project/grant: Evaluation of Flood Mitigation Measures (Based on the Extreme Flood Analysis of River Tsavkistskali)
Position: Manager of the Subcontractor Organization
Donor: Grant project supported by the Center for Climate Change & Networking (CTCN)
Leader Organization: National Environmental Agency
Start | End Date: 2017-11-01 - 2018-08-31

Name of the project/grant: Exploitation, Development and Services of European Network Marine Observations and Data (EMODNET 3, 4th Lot - Chemistry)
Position: Manager of the Subcontractor Organization
Donor: Grant project of the European Commission Framework program
Leader Organization: National Environmental Agency
Start | End Date: 2017-03-01 - 2019-06-01

Name of the project/grant: SlovakAID project "Monitoring and Evaluation of Drought Impacts on Water Resources and Effective Use in Georgia" 2017-01-01 2018-06-30
Position: Deputy manager
Donor: Grant project supported by Slovak International Cooperation Development Agency
Leader Organization: National Environmental Agency
Start | End Date: 2017-01-01 - 2018-06-30

Name of the project/grant: Development of meteorological Stations in city port Batumi, Poti 2018-12-01
Position: Member of the Responsible Unit of the Project
Donor: Japanese Project Grant
Leader Organization: National Environmental Agency
Start | End Date: 2016-05-01 - 2018-12-01

Name of the project/grant: Safety of Transport Corridors
Position: Member of the Implementing Unit 2017-06-30
Donor: Grant project supported by the Czech Development Agency
Leader Organization: National Environmental Agency
Start | End Date: 2016-05-01 - 2017-06-30

Name of the project/grant: European Maritime Observation and Data Network (EMODnet)
Position: Manager on behalf of the project subcontractor organization (National Environment Agency (NEA))
Donor: European Union under Regulation (EU) No508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.
Leader Organization: National Environmental Agency
Start | End Date: 2016-03-01 - 2018-07-31

Name of the project/grant: Enhancing the Meteorological Safety of the TRACECA Corridor
Position: Manager of the Subcontractor Organization
Donor: Grant project Supported by the Czech Development Agency
Leader Organization: National Environmental Agency
Start | End Date: 2015-05-01 - 2016-04-30

Name of the project/grant: Research of the Georgian Glaciers Evolution Based on the Satellite Remote Sensing Methodology and Field Glaciological Observations Data on the Background of the Modern Climate Change, IHM-17-35-CO-3692 31.12.2017
Position: Key personnel 2015-01-01 2017-12-31
Donor: Georgian Technical university
Leader Organization: Institute of Hydrometeorology
Start | End Date: 2015-01-01 - 2017-12-31

Name of the project/grant: European Maritime Observation and Data Network (EMODnet) 29.02.2016
Position: Manager on behalf of the project subcontractor organization (National Environment Agency (NEA))

Donor: European Union under Regulation (EU) No508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund
Leader Organization: National Environmental Agency
Start | End Date: 2014-06-01 - 2016-02-29

Name of the project/grant: Research of the Caucasian glaciers in Georgia based on satellite remote sensing, #FR/586/9-110/13
Position: Key personnel
Donor: Shota Rustaveli National Science Foundation
Leader Organization: Institute of Hydrometeorology of Georgian Technical University
Start | End Date: 2014-03-31 - 2017-03-31

Name of the project/grant: Exploitation, Development and Services of European Network Marine Observations and Data " (EMODNET 2, 4th Lot - Chemistry)
Position: Manager of the Subcontractor Organization
Donor: EC Seventh Framework programme grant project
Leader Organization: National Environmental Agency
Start | End Date: 2014-01-01 - 2017-05-31

Name of the project/grant: Elaboration of Mitigation Measures of Alazani Valley Soils Degradation on the Background of Modern Climate Change. 30.03.2014
Position: main performer
Donor: Shota Rustaveli National Science Foundation
Leader Organization: Institute of Hydrometeorology of the Technical University of Georgia
Start | End Date: 2012-04-01 - 2014-03-30

Name of the project/grant: Assessment of the impact of the Climate Change on Caucasian glaciers on the basis of the remote sensing technologies
Position: Key personnel
Donor: Shota Rustaveli National Science Foundation
Leader Organization: Institute of Hydrometeorology of the Technical University of Georgia
Start | End Date: 2012-04-01 - 2014-03-30

Name of the project/grant: Development the Climate Sustainable Practices of Floods and Flood Management to Protect Vulnerable Population in Georgia
Position: Member of the Management Structural Unit
Donor: Climate Adaptation Fund grant project
Leader Organization: National Environmental Agency

Start | End Date: 2012-01-01 - 2017-07-31

Name of the project/grant: Update of the Black Sea Scientific Networks (Project Acronym UBSS) 01.01.2011 31.12.2013
Position: Scientific Leader from the partner organization
Donor: Consortium of the European Council Scientific Infrastructure Seventh Framework program
Leader Organization: National Environmental Agency
Start | End Date: 2011-01-01 - 2013-12-31

Name of the project/grant: Creation of the System of Implementation of Satellite Information for the Provision of the Safety of Marine Transportation and Ecology in Georgia, #GNSF/ST/5- 432
Position: Manager
Donor: Shota Rustaveli National Science Foundation
Leader Organization: Institute of Hydrometeorology of the Technical University of Georgia
Start | End Date: 2009-03-01 - 2011-03-01

Scientific Productivity

[Google scholar](#)

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Leadership of educational programs

To this day, I am working in various fields of hydrometeorological science, although the predominant role was assigned to the use of satellites: in determining the impact of glaciology and climate change on the melting of Georgian glaciers; determination of the Black Sea temperature for the safety of transportation at sea; Forecasting drought issues using satellites for monitoring. For the study of all these issues, the issues of quality control of satellite data and quality assessment of these data, which were successfully resolved together with colleagues, were of crucial importance.

From a professional point of view, I have worked in the following sectors:

Atmospheric dynamics and modeling; glaciology; study of different processes of climate change (physical issues of climate change, adaptation and mitigation); Various issues of oceanology (observation systems, Black Sea Global Observing System) and use of TDS in oceanological research; Various issues of environmental pollution (water and soil).

I participated in various projects of international organizations (World Meteorological Organization, United Nations Development Program, United Nations Environment Program, United Nations Cultural and Scientific Organization, Intergovernmental Council on Climate Change, European Scientific Infrastructure Framework Program (FP 5, FP 6, FP 7, HORYSON 2020), NATO program for Peace, Climate Technology Scientific Network and others) in the implementation of more than 50 scientific programs and projects; I participated in the work of symposiums, scientific conferences and sessions of these organizations. I was the chairman of a number of scientific conferences, symposia sections, sessions. I have given lectures and scientific reports in various scientific centers and universities in Europe and Asia; I have published more than 100 scientific articles and 6 scientific monographs.

I am a member of the working group of various international organizations, both at regional and national level.

Conference, Symposium, Award

- 2023-11-25 - International Scientific Conference "Modern Problems of Ecology" - A study of the degradation of Shkhara glacier from the Enguri river basin using satellite information - Gelati Academy of Sciences, Georgia. ISSN 1512-1976
- 2023-09-23 - Proceeding of WRFER International Conference. Barcelona, Spain - Impact of Climate Change on Glaciers of the Inguri River Basin (Georgia)
- 2023-11-01 - Conference for Environmental Integration (EMCEI-22), Springer, part of Springer Nature, Sousse, Tunisia, Springer/ EMCEI222022. performer2022.emcei.net/author/login
- 2023-11-08 - International Conference WATER IN A CHANGING ENVIRO. Interdisciplinary Approach in Current Hydrological Research. 30th POSTER DAY, - IH SAS, Bratislava, Slovakia. ISBN:978-80- 89139-53-8 DOI: 10.2478/ahr-2021-0006
- 2023-09-20 - 3 RD INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE - Trabzon/TÜRKİYE Karadeniz Technical University. ISBN: 978-625-94141-0-2
- 2022-11-09 - Interdisciplinary Approach in Current Hydrological Research. 29th POSTER DAY, International Conference, - ISBN: 978- 80-89139-53-8, Bratislava
- 2022-04-20 - LXXV Gertsensovsky readings. Geography: development OF Science and education. Intern. Scientific and practical conference On April 20-23, 2022 (to the 225th anniversary OF Herzen University)
- 2022-11-22 - INTERNATIONAL CONFERENCE OF YOUNG SCIENTISTS Modern Problems OF Earth Sciences. ISBN 978-9941-36-044-2, Tbilisi, Georgia
- 2022-10-16 - International Scientific Conference „Modern Problems Of Ecology“, Proceedings, Volume VIII, ISSN 1512-1976, Batumi, Georgia
- 2022-10-16 - International Scientific Conference "Modern Problems Of Ecology", Volume VIII, ISSN 1512-1976, the conference is dedicated to the Former president OF the Georgian Academy Of Ecological Sciences, Mr. Marat Tsitskishvili, Batumi, Georgia
- 2021-05-15 - International peer-reviewed Scientific journal. UDC 504.4.062.2 , Baku, Azerbaijan
- 2021-06-03 - 25th International Scientific conference, Proceedings Of abstracts. Nitra, Slovak Universities Agriculture, ISBN 978-80-552-2408-4 DOI: <http://doi.org/10.15414/2021.9788055224084>
- 2021-12-20 - International Scientific Conference „Natural Disasters in the 21St Century: Monitoring, Prevention, Mitigation“, TSU, Tbilisi, Georgia ISBN 978-9941-491- 52-8

- 2021-04-21 - Collection OF articles On materials OF the Scientific and practical conference LXXIV Gertsenovskiy readings, St. Petersburg, RSPU OF A.I. Herzen
- 2020-04-22 - "Geography: Development OF Science and EducatiOn", Collectives monograph On the materials OF Scientific-Practical Conference LXXIII Herzen readings
- 2020-07-10 - International Online Conference "Compounds and Materials with Specific Properties" ISBN: 78-9941-13-939-0.
- 2019-04-18 - International Scientific-Practical Conference LXXI Herzen reading (in Russian), Publishing House „Herzen State Pedagogical University OF Russia“, St.-Petersburg
- 2018-04-12 - International Scientific-Practical Conference LXXI Herzen reading Publishing House „Herzen State Pedagogical University OF Russia“, Russia, St.-Petersburg
- 2016-05-23 - The 4th International Geography Symposium Books Of Proceedings, Kemer-Antalya, Turkey
- 2016-04-21 - International Scientific-Practical Conference LXIX Herzen reading (in Russian), Publishing House „Herzen State Pedagogical University OF Russia“, Russia, St.-Petersburg.
- 2016-10-02 - Conference and Field Trips OF UNESCO–IUGS–IGCP 610 projects „From the Caspian to Mediterranean: Environmental Change and Human Response during the Quaternary“ (2013-2017), Printed in Georgia, Georgian National Academy OF Sciences, Georgia, Tbilisi
- 2015-04-22 - International Scientific-Practical Conference LXVIII Herzen reading devoted to the 70 anniversary OF UNESCO, (in Russian). Printing house "Herzen State Pedagogical University OF Russia", Russia, St.-Petersburg
- 2013-05-28 - International „Scientific-Technical Conference „Pressings Problems OF Hydrometeorology and Ecology“ Dedicated to the 60th Anniversary OF the Foundation OF the Institute OF Hydrometeorology
- 2013-09-17 - International Conference "Marine Research Horizon 2020"
- 2013-02-02 - Conference, the NATO Science for Peace and Security Series C: Environmental Security
- 2011-09-27 - Georgian National Academy of Sciences, Institute of Hydrometeorology at the Georgian Technical University, International Conference „Pressing Problems In Hydrometeorology and Ecology“ Dedicated to the 90 th Anniversary of Academician Givi Svanidze
- 2011-04-21 - Международная научно-практическая конференция LXIV Герценовские чтения «География: проблемы науки и образования», посвященная памяти А. М. Алпатъева
- 2011-05-05 - International Symposium on Kazdaglari (Mount Ida) and Edremit - Global Change in Mediterranean Region
- 2011-11-01 - 3rd Bi- annual BS Scientific Conference and UP-GRADE BS-SCENE Project Joint Conference
- 2010-06-02 - 2010-06-02 The 2nd International Geography Symposium GEOMED2010
- 2010-11-10 - 2010-11-10 The International Scientific and Technical Conference „Protection of the surrounding Environments and stable Development“, Georgian Technical University
- 2008-10-06 - 2008-10-06 2nd Biannual and Black Sea SCENE EC Project Joint Conference
- 2003-11-07 - Medal of Honor

Languages

- Georgian
- Russia

- English

Additional information

1. National Contact Person of the EU Framework Program HORYSON 2020 on environment, including climate change;
2. Chairman of the Georgian Committee of the International Human Dimensions Organization
3. Adviser to the permanent representative in the World Meteorological Organization in matters of meteorology;
4. Member of the Advisory Union of the Regional Association (Europe) VI in the World Meteorological Organization;
5. National expert in the World Meteorological Organization;
6. National expert of the Intergovernmental Council on Climate Change;
7. Member of the international group of the organizing committee of the annual international scientific-practical conference of Gertsen Pedagogical Institute of Saint-Petersburg.