

November 21-22, 2022 Ivane Javakhishvili Tbilisi State University will host an International Conference of Young Scientists "Modern Problems of Earth Sciences".

We invite you to participate in the conference!

The conference will be held in a mixed format (on-site / online attendance).

Young scientists can take part in the conference (young scientists - persons with a master's / doctoral degree or an equivalent scientific degree, to whom a scientific degree was awarded no more than 7 years ago, as well as undergraduates, residents, doctoral students), as well as researchers of older generations with young scientists in co-authorship. In this case the report should be made by a young scientist.

Working language of the conference - Georgian, English. Articles are submitted in Georgian or English. A Georgian article must have a summary in English as well. Number of articles submitted by one author not more than 3 (with attached forms).

Conference participants are free from paying organizational costs (holding a conference, printing a collection and program, printing posters for absentees).

The conference organizing committee does not finance the participants' business trip expenses (travel, hotel, daily expenses, etc.).

Conference Topics

1. Atmospheric chemistry, atmospheric composition, air pollution
2. Meteorology, atmospheric physics and dynamics
3. Climatology and climate change
4. Terrestrial ecology, land cover change
5. Geology, tectonics, volcanology
6. Palaeoclimatology, palaeoecology
7. Physics of earth's interior, seismology, geodynamics
8. Oceanography (physical, chemical, biological, geological)
9. Biogeochemistry, biogeochemical cycles, environmental chemistry
10. Mineralogy, petrology, igneous petrology, metamorphic petrology
11. Geochemistry, cosmochemistry, crystal chemistry, isotope geochemistry, thermodynamics
12. Sedimentology, soil science, palaeontology, earth evolution
13. Physical geography, geomorphology
14. Earth observations from space/remote sensing
15. Geomagnetism, palaeomagnetism
16. Ozone, upper atmosphere, ionosphere
17. Hydrology, hydrogeology, engineering and environmental geology, water and soil pollution
18. Cryosphere, dynamics of snow and ice cover, sea ice, permafrosts and ice sheets
19. Planetary geology and geophysics
20. Geohazards
21. Earth system modelling and interactions

Conference Objectives

- Discovering the potential of young scientists in the field of earth science;
- Establishing and strengthening ties between different generations of scientists;
- Defining the prospects for the development of scientific research;
- Identify opportunities for improving the scientific-educational field of secondary and higher education institutions in relation to the issues of the conference;
- Strengthening international scientific cooperation on conference topics;

- To acquaint the world scientific community, governmental structures, other interested organizations and individuals with the current state of the problems related to the fields of Earth Sciences.

Conference Tasks

- Presentation of the results of many years of research in the field of earth science at the plenary session (oral \ poster \ video);
- Presentation of papers selected by the Scientific Committee and their discussion in plenary, section sessions and in the form of a poster.

Target Groups

- Georgian and foreign scientific, educational, governmental and non-governmental organizations that have direct contact with the theme of the conference.
- (Universities, research institutes, educational organizations, emergency structures, non-governmental organizations, international corporations, etc.).

Expected Results

- Promoting historical and modern achievements in the field of Earth Sciences;
- To acquaint the world community with the current state of the problems related to the science of the Earth;
- Enhance international cooperation for the scientific and practical application of modern achievements related to the conference;
- Assess the social and economic risks associated with the conference topics and identify opportunities for joint action to prevent these risks;
- Identify opportunities to improve the scientific-educational base of secondary and higher education institutions in the field of Earth Sciences.

Conference Organizers

- Tbilisi State University, Mikheil Nodia Institute of Geophysics;
- Georgian Technical University, Institute of Hydrometeorology;
- Tbilisi State University, Vakhushti Bagrationi Institute of Geography;
- Tbilisi State University, Alexander Janelidze Institute of Geology;
- Georgian Geophysical Association.

Important dates

- **Receipt of applications and articles (with attached forms) - including October 10, 2022;**
- **Selecting articles and sending notifications about selected articles - October 20, 2022;**
- **Sending an electronic version of the poster (for absent participants) - until November 15, 2022. Carry posters in case of a stand-alone presentation;**
- **Printing posters - (for absentees) - until November 15, 2022;**
- **Notification of authors (program, etc.) - until November 10, 2022;**
- **Publication of the Proceedings of the Conference - until November 21, 2022;**
- **Uploading the electronic collection of the conference proceedings and individual articles on the portal of the Institute of Geophysics of the TSU National Scientific Library - until December 15, 2022;**
- **Registration on the conference - November 21, 2022.**

Contact person:

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