

Mountain ecosystems and their components

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20-25 September 2021, Tembotov Institute of Ecology of Mountain Territories of the Russian Academy of Sciences in collaboration with the Ministry of Education, Science and Youth Affairs of the Kabardino-Balkarian Republic, Severtsov Institute of Ecology and Evolution Problems RAS, Teriologic Society of RAS, Scientific Council on Ecology of Biological Systems RAS, Berbekov Kabardino-Balkarian State University, the Interregional Public Ecological Movement "Ecology ↔ Life" held the VIII All-Russian Conference with international participation "Mountain ecosystems and their components", dedicated to the Year of Science and Technology in the Russian Federation.

The main goal of the conference is to consolidate specialists for comprehensive study and conservation of biodiversity of mountain territories. The 2021 conference continues the traditional IEMT RAS symposium "Mountain Ecosystems and Their Components" (2005, 2007, 2009, 2012, 2015, 2017, 2019).

The main directions of the scientific conference are 1. biological diversity in mountain conditions (the laws of its formation, species and population diversity, dynamics in time and space), 2. ecology and evolution of organisms and communities in mountain areas, 3. scientific basis for ecologically balanced nature management and protection of natural resources of mountains, including problems of invasion of alien organisms as a basis for counteracting man-made and biogenic threats to society, 4. environmental education and enlightenment as an element in the activity of social institutions at the present stage of global development.

The most interesting theoretical and global practical problems of modern biological ecology are reflected in the plenary reports.

Bolshakov V.N., Badenkov Yu.P. 50th Anniversary of UNESCO "Man and Biosphere" Programme and MAB-6 Mountain Project.

Aliev Kh. U. Significance of beech forests in conservation of Dagestan flora valuable species.

Puzachenko A.Y. History of Central European mammal fauna for the last 200 thousand years: what is evolution?

Savelyev A.P., Askerov E.K., Yarovenko Y.A., Kitiashvili A., Romashin A.V., Arakelyan M., Tsapko N.V. Coon-creepers in Caucasus: Current Range and Population Development Trends.

Sarukhanova S.A., Askerov E.K. Study of gazelles (*Artiodactyla*, *Bovidae*) in Eastern Transcaucasia. A review.

Tuniev B.S., Rybak E.A., Timukhin I.N., Aliev H.U., Dzhangirov M.Y. Microclimatic regularities of the ecotone of the Eastern Mediterranean and Colchis biogeographic provinces in the Sochi National Park.

Presentations were made in five sections: 1. Soils (biological properties, ecological condition, assessment and restoration methods); 2. Flora, vegetation, mushroom population (protection and environmentally balanced use); 3. Fauna, variability (morphological, genetic), protection and rational use of invertebrate animals of mountain territories; 4. Fauna, variability (morphological, genetic), evolution, protection and rational use of vertebrate animals of mountain territories; 5. Scientific bases of ecologically balanced nature management and protection of natural resources, including problems of invasions of alien organisms. Environmental education.

The conference was attended by scientists from five countries, the collection of materials on the results of the conference included 146 papers.

The participants of the conference highly appreciated the level of the presented plenary and sectional reports and the organization of the conference and expressed their gratitude to the organizing committee, staff and students of the Berbekov Kabardino-Balkarian State University on the basis of which the conference was held.

The collection of conference materials is posted on the website of IEMT RAS.