

**5th ALL-RUSSIAN SCIENTIFIC CONFERENCE
WITH INTERNATIONAL PARTICIPATION “ALGAE:
ISSUES ON TAXONOMY, ECOLOGY AND MONITORING APPROACHES”**

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5th All-Russian Scientific Conference with international participation “Algae: issues on taxonomy, ecology and monitoring approaches” was held in Nizhny Novgorod, September 20–25, 2021. The conference was organized by the Department of Botany and Zoology of the Institute of Biology and Biomedicine of the Nizhny Novgorod State University with participation of the Ministry of Ecology and Natural Resources of the Nizhny Novgorod Region, the Nizhny Novgorod branches of the Russian Botanical Society and the Hydrobiological Society of the Russian Academy of Sciences. International company “Carl Zeiss” and the group of companies “Ecoprom” sponsored the conference.

161 people from 29 cities, 8 countries, 31 scientific institutions, 21 universities and 6 nature reserves attended the conference. The conference addressed a wide range of issues related to the study of algae. Scientists from Russia, CIS countries and far abroad presented reviews and research reports. The main topics of the Conference: Floristics and geography of algae: problems and modern approaches; Taxon problem in algology: from morphology to molecular genetics, modern synthesis; The problem of rare species in algology, conservation and protection of algae, biological invasions; Algae cultivation; Production aspects of the study of algae; Paleoalgology; Physiology and biochemistry of algae; Structural and functional organization of planktonic and benthic algocoenoses of marine and continental water bodies; Algae in the assessment of the state and quality of the environment; History of algological research in the regions; Soil algocoenoses.

Keywords: conference, algae, taxonomy, ecology, monitoring