

PREFACE

International Conference on “Sustainable Management of Earth Resources and Biodiversity” (SERBEMA-2023) was successfully held on 26–27 September 2023 by Tashkent State Agrarian University in collaboration with numerous academic and non-academic organizations.

SERBEMA-2023 conference was held in the hybrid format: on-site at Tashkent State Agrarian University and in the format of videoconference using ZOOM platform. Despite the cancellation of pandemic restrictions in the world, the organizers still considered proactive safety and all the necessary requirements for holding an event such as separate entrances and exits for the exhibition, and conference rooms were equipped with signs. Sessions were shortened to allow for airing and sanitizing of potential contact surfaces. There were some coffee breaks in a separate canteen and all conference participants and guests were provided with medical masks. For virtual involvement, several social network possibilities were available, as well as video conferencing with all interested participants. Contributors and listeners delivered reports and discussed subjects using digital technology.

The conference agenda comprised itself a **plenary session as well as other subject sessions**:

1. Rational Use of Earth Resources
2. Biodiversity Conservation and Agriculture
3. Land Use and Livestock Husbandry
4. Ecology and Environment
5. Sustainable Water Resources Management

The members of the **Scientific Editorial Board** were:

- Bernard Siska, SoD, Professor, Slovak University of Agriculture in Nitra, Slovakia
- Rashid Kulmatov, Doctor of Science, Professor, National University of Uzbekistan named after Mirzo Ulugbek, Uzbekistan
- Kristina Toderich, PhD, Professor, Tottori University, Japan
- Christian Opp, PhD, Professor, Philips University of Marburg, Germany
- Bakhtiyor Karimov, Doctor of Science, Professor, “TIAME” National Research University, Uzbekistan
- Elena Lioubimtseva, PhD, Professor, Grand Valley State University, the United States
- Sabirjan Isaev, Doctor of Science, Professor, “TIAME” National Research University, Uzbekistan
- Michael Groll, PhD, Associate Professor, Philips University of Marburg, Germany
- Milena Latinovic, PhD, Associate Professor, GFZ German Research Centre for Geosciences, Germany
- Dinara Ziganshina, PhD, Associate Professor, University of Dundee, United Kingdom
- Dilrabo Kodirova, Doctor of Science, Professor, Tashkent State Agrarian University, Uzbekistan
- Komil Bukhorov, Candidate of Biological Sciences, Associate Professor, Tashkent State Agrarian University, Uzbekistan
- Muhabbat Honkeldieva, PhD, Associate Professor, Tashkent State Agrarian University, Uzbekistan

We thank all of the researchers who contributed to this volume, as well as the conference committee, speakers, participants, organizing committee, and sponsors, for making International Conference on “Sustainable Management of Earth Resources and Biodiversity” (SERBEMA-2023) successful.

All submitted papers have passed a rigorous scientific and technical selection. Only papers that present the results of original research were accepted. The Organizing Committee, as well as the participants of the conference, express their gratitude to journal E3S Web of Conferences for the publication articles of SERBEMA-2023.