

Preface

*Shahriyor Sadullozoda*¹, *Gulom Uzakov*², *Ivan Chudov*³, *Arthur Gibadullin*^{4*}, *Zariya Zalilova*³, and *Dmitry Morkovkin*⁵

¹Tajik Technical University named after academician M.S. Osimi, Dushanbe, Republic of Tajikistan

²Karshi Engineering-Economics Institute, Karshi, Uzbekistan

³Bashkir State Agrarian University, Ufa, Russia

⁴National Research University "Moscow Power Engineering Institute", Moscow, Russia

⁵Financial University under the Government of the Russian Federation, Moscow, Russia

Abstract. Within the framework of the presented material, the results of the conducted II International Conference on Agriculture, Earth Remote Sensing and Environment (RSE-II-2023).

We are pleased to present a collection of materials II International Conference on Agriculture, Earth Remote Sensing and Environment (RSE-II-2023), which took place on April 19-21, 2023 in Tajik Technical University named after academician M.S. Osimi (Dushanbe, Republic of Tajikistan), Karshi Engineering and Economic Institute (Karshi, Uzbekistan), Bashkir State Agrarian University (Ufa, Russia) and was dedicated to agricultural development and environmental protection.

The conference was held to summarize international experience in the field of agriculture and conservation of biological diversity. The conference was present scientific research aimed at solving a set of problems in the field of sustainable development, namely:

- Popularization of fundamental and applied research in the field of sustainable development;
- Development of scientific and practical potential in order to form proposals for the introduction of high technologies in agriculture;
- Formation of recommendations aimed at improving information technologies, engineering, innovative and digital technologies in agriculture and environmental protection;
- Development of new information technologies for the purposes of Earth sounding, cartography, geodesy, cadastre, land management, ecology and agriculture;
- Development of modern technologies to ensure the functioning of virtual and information technologies in geodesy and cartography.

The topics of the conference were as follows:

- Agriculture, field cultivation, forestry and agricultural products;
- Mechanization, mechanical engineering, technology, innovation and digital technologies in agriculture;
- Economics and management in the agro-industrial complex;
- Development of the food industry;

* Corresponding author: 11117899@mail.ru

- Geoinformatics and information technology in cartography;
- Ecology, environmental protection and conservation of biological diversity.

Representatives of scientific and research, government and commercial organizations, as well as scientists attended the conference from the middle and far abroad. During the conference, the participants discussed the problems of agriculture, agro-industrial complex, ecology, environmental protection, energy, sustainable development, renewable sources, Earth science and other issues. Thus, the conference made it possible to formulate new scientific directions and recommendations for ensuring sustainable development, which can be useful to state and regional authorities, international and supranational organizations, the scientific and professional community.

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