

## Preface

The Russian State Agrarian University – Timiryazev Moscow Agricultural Academy, a scientific and educational organization with centuries-old traditions in the field of agriculture, announces the International Scientific and Practical Conference “Agronomy – 2024” (AgriScience2024) to be held on November 19-20, 2024. The conference will be held as part of the program for the creation and development of the world-class Scientific Center “Agritechnologies of the Future” with the support of the Ministry of Science and Higher Education of the Russian Federation (agreement 075-15-2022-317 dated April 20, 2022).

The challenges for the industry and prospects for its further development in the global context will be the main topics of the conference. The conference is held jointly with the Ministry of Agriculture of the Russian Federation, the Ministry of Science and Higher Education of the Russian Federation, the Institute of Genetics and Cytology of the National Academy of Sciences of Belarus, the Tajik Agrarian University named after Shirinsho Shotemur, the National University of Uzbekistan named after Mirzo Ulugbek, the National Research University “Tashkent Institute of Irrigation and Agricultural Mechanization Engineers”, and the Kyrgyz National Agrarian University named after K.I. Skryabin.

The main directions of the International scientific and practical conference:

- General agriculture and plant growing, viticulture and medicinal crops;
- Genetic resources, genetics, genomics, bioengineering;
- Plant selection, seed production and biotechnology;
- Agrochemistry, agro-soil science, plant protection and quarantine;
- Technologies, machines and equipment for the agro-industrial complex;
- Food production processes and equipment;
- Storage, processing and quality management of agricultural products;
- Veterinary obstetrics and biotechnics of animal reproduction;
- Breeding, selection and genetics of farm animals;
- Feed production, zootechnics, livestock production technology;
- Natural resources and ecology;
- Economics and management, digital platforms in the agro-industrial complex.

The conference participants are more than 150 leading scientists from Russia, Belarus, Kazakhstan, Kyrgyzstan, the Republic of Iraq, Uzbekistan, Armenia, Afghanistan, Tajikistan, Azerbaijan, and the People’s Republic of China.

The organizing committee of the international conference (AgriScience2024) received 196 manuscripts, 130 of which received positive reviews.

The issues of scientific support for food security in the context of global challenges will be the main topics of the conference. The practical experience of leading specialists and the achievements of scientific teams presented at the conference will contribute to the further development of the agro-industrial complex.

The organizing committee of the international conference AgriScience2024 expresses its sincere gratitude to all participants, experts, moderators who plan to participate in an online or offline format, as well as the editors of the conference for the work done in forming the release of the conference materials AgriScience2024. We are confident that thanks to such fruitful joint

work of scientists from different countries, the international scientific and practical conference will be held at a high international level and will receive a positive assessment both in Russia and abroad.

We hope for further fruitful cooperation!

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