

Preface

The Ural State Agrarian University is one of the leading agricultural universities in the Russian Federation. Together with the Tajik Academy of Agricultural Sciences (Republic of Tajikistan), the International Scientific and Practical Conference "Ensuring Food Security in the Context of the COVID-19 Pandemic" (**EFSC2021**) was held on March 29 - 31, 2021.

The main disciplines of the International Scientific and Practical Conference were the following:

1. Provision of high-quality and safe food products for the population.
2. Production of agricultural products, raw materials and food that meet environmental, sanitary and epidemiological, veterinary and other standards.
3. Development of livestock breeding, plant breeding, seed production and aquaculture.
4. Development of the production of compound feeds, feed supplements for animals, medicines for veterinary use, mineral supplements.
5. Improvement of agricultural land fertility, protection of agricultural land from erosion and desertification.
6. Improvement of technical regulation, sanitary and epidemiological, veterinary and phytosanitary supervision, control in the field of ensuring the safety of food products for human health.
7. Creation of highly productive sector in agriculture, developing on the basis of modern technologies.
8. Training of specialists for agriculture, fishery, as well as food and processing industries.

The main purpose of the International Conference was the discussion and solution of the most important strategic and tactical tasks to provide the population with high-quality and safe products in the context of the COVID-19 pandemic. Despite the difficult epidemiological situation in the world, the organizers of the conference managed to attract leading Russian and foreign scientists to participate in the discussion of urgent tasks of the agro-industrial complex development, among them were representatives from the Institute of Biological Safety at the Tajik Academy of Agricultural Sciences (Republic of Tajikistan), Kostanay Social and Technical University n.a. Z. Aldamzhar (Republic of Kazakhstan), Kazakh National Agrarian Research University (Republic of Kazakhstan), Covenant University, Nigeria; University of Aleppo, Syria; Publishing House "Education and Science", Czech Republic; Scrypta Foundation, Università di Bologna, Italia; Al-Farabi Kazakh National University; Department of pharmacology, S.D. Asfendiyarov Kazakh National Medical University, Republic of Kazakhstan; North Caucasian

Federal University, Ryazan State Agrotechnological University n.a. P.A. Kostychev, All-Russian Scientific Research Institute of Oilseeds n.a. V.S. Pustovoyt, the Russian Federation.

Based on the results of the presented reports, it was decided to create international collaborations in topical scientific areas in the agro-industrial complex, hold regular meetings, as well as exchange experience in terms of ensuring high-quality and safe agricultural products.

More than 200 participants took part in the conference. The organizing committee received 168 manuscripts, 107 of which were positively reviewed. The verification of manuscripts for compliance with the requirements was carried out by highly qualified experts, known to a wide range of domestic and foreign scientists.

The organizing committee of the **EFSC2021** Conference expresses its sincere gratitude to all participants, experts, moderators, as well as the editors of the conference for the work done and their interest in the conference. We are confident that thanks to such joint fruitful work of scientists from different countries, the conference was held at a high level and was positively assessed both in Russia and abroad.

We look forward to further fruitful cooperation!

Prof. Olga Loretts

Chairman of the organizing committee, editor of conference materials
Ural State Agrarian University, Russian Federation

Dr. Orzugul Nazarova

Deputy chairman of the organizing committee, deputy editor of conference materials
Tajik Academy of Agricultural Sciences, Republic of Tajikistan

Dr. Mikhail Karpukhin

Dr. Viktor Kukhar

Dr. Aleksey Ruchkin

Scientific and Technical Committee of Conference Materials
Ural State Agrarian University, Russian Federation