

Preface

On the site of the Ural State Agrarian University, together with international partners, on February 16-17, 2023, the International Scientific and Practical Conference "Ensuring the technological sovereignty of the agro-industrial complex: approaches, problems, solutions" **ETSATIC2023**.

The key directions of the international scientific and practical conference were:

1. Creation and use of modern digital, intelligent, robotic systems, machines and technologies, new materials and design methods, big data processing and the Internet of things in the agro-industrial complex;

2. Modern directions of highly productive environmentally friendly agriculture, development and implementation of systems for the rational use of modern means of chemical and biological protection of agricultural plants;

3. Creation of safe and high-quality, including functional food products based on modern genetic and breeding methods in crop and livestock production;

4. Modern directions and methods of countering technogenic, biogenic and socio-cultural threats to the agro-industrial complex at the present stage;

5. Economic and technical justification for the technical modernization of the agro-industrial complex. Legal regulation of the introduction of technical innovations in agriculture.

The main purpose of the conference was to discuss and solve the most important strategic tasks for the development of innovative technologies in the agro-industrial complex, their modernization and further intellectualization.

The international conference was attended by scientists and researchers from near and far abroad countries, in particular Kazakhstan, Kyrgyzstan, Uzbekistan, Tajikistan, Belarus, Armenia, Azerbaijan, Mongolia, China, Hungary, Pakistan, Syria and Mali.

In total, more than 200 participants took part in the international conference. The organizing committee received 72 manuscripts, 35 of which received positive feedback. Manuscripts were checked for compliance with the requirements by highly qualified specialists known to a wide range of domestic and foreign scientists.

Dear colleagues, participants, experts and moderators of the international conference We express our sincere gratitude to you for the work done and your interest. We are confident that the conference was held at a high level and received a positive assessment both in Russia and abroad due to the fruitful joint work. We look forward to further cooperation and meetings in the Urals at conferences, symposiums, round tables, and seminars.

Best regards, Ural State Agrarian University!

Prof. Olga Loretts Chairman of the organizing committee, editor of conference materials Ural State Agrarian University, Russian Federation

Prof. Ismuratov Sabit Deputy chairman of the organizing committee, deputy editor of conference materials Kostanay Engineering and Economic University named after. M. Dulatova, Republic of Kazakhstan

Dr. Viktor Kukhar Scientific and Technical Committee of Conference materials Ural State Agrarian University, Russian Federation

Dr. Aleksey Ruchkin Scientific and Technical Committee of Conference materials Ural State Agrarian University, Russian Federation