

## Preface

Ural State Agrarian University is one of the leading agricultural universities of the Russian Federation. The International scientific and practical conference "From modernization to advanced development: ensuring competitiveness and scientific leadership of the agro-industrial complex" **IDSISA2022** was held on March 24-25, 2022 in face-to-face and extra-mural format.

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

- scientific support of innovative development of animal husbandry and biotechnologies;
- agroecological aspects of horticulture development;
- current problems of veterinary medicine and microbiology;
- innovative technologies for the production and processing of crop and livestock products: problems and prospects for practical implementation;
- digital and engineering technologies as a factor of intensive agricultural development;
- the role of economics in the innovative AIC development. The state policy of supporting the agro-industrial complex and agritourism.

The main goal of the conference was to discuss and solve the most important strategic tasks for the development of innovative technologies in animal husbandry and crop production, their modernization and further intellectualization.

The international conference was attended by scientists from countries near and far abroad, in particular Kazakhstan, Uzbekistan, Tajikistan, Belarus, Armenia, Azerbaijan, China, Hungary, Spain, etc.

In total, more than 300 participants took part in the international conference. The organizing committee received 107 manuscripts, 53 of which were positively reviewed. The manuscripts were checked for compliance with the requirements by highly qualified experts well-known to a wide range of domestic and foreign scientists.

We express our sincerest gratitude to all participants, experts, and moderators for the work done and the interest shown in the international conference. We are confident that the conference was held at a high level and was positively evaluated both in Russia and abroad thanks to such fruitful joint work. We hope for further cooperation and a meeting on the Ural land at conferences, symposiums, round tables, and seminars.

Sincerely yours, Ural State University.

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

**Prof. Irina Donnik** Deputy chairman of the organizing committee, deputy editor of conference materials Russian Academy of Sciences, Russian Federation

**Prof. Jose Luis Lopez Garcia** Deputy chairman of the organizing committee, deputy editor of conference materials Universidad Politecnica de Madrid, Spain

**Dr. Viktor Kukhar**

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