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**Innovative Technologies
in Science and Education**

ITSE-2020

**August 19-30
Rostov-on-Don**



PREFACE

The annual VIII International Scientific and Practical Conference «Innovative technologies in science and education» (ITSE 2020) was held by Don State Technical University, Faculty of Agribusiness, with the support of Ludong University (Republic of China), Rutgers University, Russian Academy of Sciences, Southern Scientific Center of the Russian Academy of Sciences, State Scientific Establishment «Agricultural research center «Donskoy», Research Laboratory «Agrobiotechnology Center» DSTU, Territorial cluster «Dolina Dona», Voluntary certification System «Made in Don Land», with the support of Department of Agricultural Sciences of the Russian Academy of Sciences, Ministry of Science and Higher Education of the Russian Federation, Ministry of Agriculture of the Russian Federation, Ministry of Agriculture and Food of the Rostov Region, Congress & Exhibition DonExpocentre, and industrial partners «Lemken GmbH & Co. KG», «Wintersteiger AG», «Amazonen-Werke H. Dreyer GmbH & Co. KG», Agrotechnological holding «Bizon», Rostselmash LLC. The event took place on August 19-30, 2020 within the framework of the third specialized regional exhibition «Don Field Day».

The conference was held in both face-to-face and remote form with taking all precautions in order to prevent the spread of COVID-19 caused by the new coronavirus.

The purposes of the Conference were the consolidation of scientific community resources in order to determine ways to solve practical problems in scientific, educational and industrial processes; introduction of innovative technologies in various fields of activity; networking development between Russian universities and industrial partners; implementation of educational programs based on innovative technologies development.

Within the process of preparing the Conference, the program and organizing committees tried to expand geography of the participation as much as possible by attracting a large number of scientists and specialists, as well as everyone involved in individual issues related to innovations in science and education. The result was the participation of leading scientists and specialists in various fields of activity of our country, near and far abroad from more than 13 countries, such as: Germany, the USA, People's Republic of China, Austria, Egypt, Palestine, Kazakhstan, Georgia, Belarus Republic, Armenia, Poland, Serbia, Hungary. More than 90 reports were presented at the Conference, the total number of participants was more than 1000 people. The the main directions of the Conference were: Innovative ways of education and science developing; Innovative trends of the world community development: globalization, digitalization, greening, economic efficiency; Innovation in addressing food security issues; Innovative trends of modern mechanical



engineering development; Innovative approaches for formulation of veterinary probiotics aimed at the animal health modulation (under the grant of the Ministry of Education and Science of Russia № 075-15-2019-1880).

The program and organizing committees, as well as all the participants of the conference express their gratitude to the partners and the team of E3S Web of Conferences indexed by Web of Science and Scopus for publishing papers of ITSE 2020.



