

## Preface

Federal State Budget Scientific Institution All-Russian National Research Institute of Viticulture and Winemaking Magarach of the Russian Academy of Sciences (FSBSI Institute Magarach of the Russian Academy of Sciences) is one of the oldest and leading agricultural scientific institutions in the Russian Federation. The International Scientific and Practical Conference 2021 "Modern trends of science and innovative technologies in viticulture and winemaking" was held on September 6-10, 2021. It was dedicated to the 155th anniversary of the first Russian professor of winemaking Khovrenko Mikhail Aleksandrovich and the 150th anniversary of the Oenochemical Laboratory of the Institute Magarach.

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

- natural resources and ecology;
- genetic resources, genetics, genomics, bioengineering;
- agritechnological systems of cultivation;
- plant protection and fertilization;
- organic farming;
- storage, processing and product quality management;
- creation of new functional food products;
- economics and innovative development of agribusiness.

The main goal of the Conference was the formation of concept development of fundamental, exploratory and applied researches in agricultural sciences and innovative technologies.

Despite the difficult epidemiological situation in the world, we managed to attract leading Russian and foreign scientists to participate in the discussion of topical issues of agricultural development, including representatives from Technical University of Moldova (Republic of Moldova, Chisinau); Transnistrian State University named after T.G. Shevchenko (Moldova, Transnistria, Tiraspol); Vivai Cooperativi Rauscedo (Italy); Instituto de Ciencias de la Vid y del Vino (Spain); Agricultural University of Plovdiv (Bulgaria, Plovdiv); Plant Protection Institute (Belarus, Priluki); School of Agriculture and Food of Peloponnese Antikalamos University (Greece, Kalamata); Nakhchyvan branch of the National Academy of Sciences of Azerbaijan (Republic of Azerbaijan, Nakhchyvan); Institute of Genetic Resources (Republic of Azerbaijan); Institute of Molecular Biology of National Academy of Sciences of the Republic of Armenia (Armenia, Yerevan); Scientific Center Agrobiotechnology, a branch of the National Agrarian University of Armenia (Republic of Armenia, Yerevan), and many other leading scientific institutions of Russia. In total, the Conference was attended by more than 135 participants.

The work of the Conference was focused on scientific and practical novelty of the presented materials, identification of trends in the development of fundamental sciences, fruitfulness of discussions, innovative potential of science and its implementation in business production.

The academic community of the Institute Magarach of the Russian Academy of Sciences expresses sincere gratitude to all the participants, experts, moderators, and editors of the Conference for the work done and the interest shown 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 evaluated both in Russia and abroad.

We hope for further fruitful cooperation!

With best wishes, the academic community of the Institute Magarach of the Russian Academy of Sciences!

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Chairman of the organizing committee, editor of conference materials

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