

Welcome letter

Academician of the Russian Academy of Sciences Evgeny
Egorov Conference Program Committee Chair

Dear colleagues and participants!

I am pleased to welcome colleagues and participants to the International Conference "Biotechnologies in the organization of breeding and breeding processes of perennial crops", which will be held in Krasnodar, Russia, from October 6 to 8, 2020. The conference will be organized by the North Caucasus Federal Scientific Center for Horticulture, Viticulture, Winemaking ", Krasnodar.

The conference will be devoted to solving the problems of genetic resources management, improving selection and technological processes, accelerated reproduction of garden crops and grapes using the results of scientific research in the field of genetics and biotechnology. The main goal of the Conference is the development of new scientific directions, the development and improvement of methods for biologization of processes in breeding and nursery based on corporate generalization of research results, the development of cooperation and strengthening scientific ties with the world's leading scientific schools.

The important place in the work of the conference is devoted to the issues related to the study, conservation and use of perennial crops in breeding genetic resources. Unregulated factors of the natural environment (frost and early frost, high temperatures, droughts and dry winds) reduce the yield of agricultural crops by three-four times. These problems have become especially urgent in recent decades in connection with climate changes and increased abiotic stresses, which lead not only to a decrease in productivity, but also to the death of plantations. In this regard, the most relevant direction in the development of scientific research in horticulture and viticulture is the improvement of the assortment. High productivity, manufacturability, resistance to abiotic and biotic environmental factors are important characteristics of the variety, which make it possible to increase the economic and environmental efficiency of the production of fruit products and grapes. The solution of these issues is possible only on the basis of the development and mastering of modern methods of bioinformatics, molecular biology and biochemistry, genetic engineering for the accelerated creation of varieties and hybrids of plants with given economically valuable traits.

A significant part of the questions are devoted to biotechnological methods that allow obtaining high-quality planting material, free from viral, viroid and phytoplasma infections.

The conference will provide an ideal platform for the exchange of information and discussion of scientific results and experience, with a particular focus on supporting initiatives in the field of breeding and nursery production of fruit, berry, walnut, flower and ornamental crops and grapes.

Krasnodar is the capital of the Krasnodar Territory (Kuban), known as the "breadbasket of Russia", with a unique natural landscape, developed agro-industrial complex, cultural diversity and friendly hospitable people. The North Caucasian Federal Scientific Center for Horticulture, Viticulture, Winemaking is a large scientific, methodological and selection and technological center for horticulture, viticulture, winemaking, food and processing industries in the North Caucasian region of Russia.

We will be glad to welcome you to the Kuban land. This conference will give you a valuable intellectual experience as well as an unforgettable visit to Krasnodar.

Yours sincerely,

Chairman, Academician of the Russian Academy of Sciences Evgeny Egorov