

## Preface

The Russian Research Institute of Fruit Crop Breeding (VNIISPK) which is one of the leading specialized pomological institutes of Russia for the breeding of fruit and berry crops, together with the Ural State Agrarian University with the support of specialists from the European University of Lefke (Turkey), Eskişehir Osmangazi University (Turkey) organized an International Scientific and Practical Conference «INNOVATIVE TECHNOLOGIES IN AGRICULTURE» (ITIA 2022). The Conference was held on March 23-24, 2022.

The main directions of the Conference were devoted to the following issues: The improvement of the assortment due to combinative selection and its acceleration by innovative methods; Plant genetic resources; The role of bioresource collections in breeding; Molecular and genetic technologies in breeding; Cultures of isolated tissues and organs in plant breeding and reproduction; Intensification of seed and plant production; The role of biochemical research of the plant gene pool in the implementation of the food security doctrine and in healthy nutrition; Actual problems of storage and processing of vegetable raw materials; Mineral nutrition management to improve the productivity, quality and sustainability of agricultural plants; Biologization of agriculture as a mechanism for the formation of soil fertility; Energy saving technologies in the agro-industrial complex; Introduction of garden plants. Prospects, assortment, features of use in urban landscape gardening; The role of economic science in ensuring sustainable development of agriculture.

The main purpose of the Conference was to exchange experience on improving innovation activity in agriculture. The main problems and trends constraining innovative directions in the agricultural sector of the economy were identified.

The conclusion was made about the need for an integrated approach to the regulation of innovation activity in the agricultural sector and the development of a system of measures aimed at increasing the innovative activity of agriculture. A number of agreements was reached to strengthen international cooperation in priority areas in the field of agriculture.

Thanks to the joint fruitful work, the scientific and practical Conference was held at a high level and received a number of positive reviews both in Russia and abroad.

The organizers of the conference express their gratitude to the participants, experts and moderators for their help and interest in the Conference.

We hope for further fruitful work! See you at future conferences, symposiums and seminars.

Conference materials are available at <https://en.farba22.vniispk.ru/>

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