

Preface

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Abstract. Within the framework of the presented proceedings, the results of the conducted III International Conference on Current Issues of Breeding, Technology and Processing of Agricultural Crops, and Environment (CIBTA-III-2024).

We are pleased to present a collection of proceedings III International Conference on Current Issues of Breeding, Technology and Processing of Agricultural Crops, and Environment (CIBTA-III-2024), which took place on January 23 - 25, 2024 in Karshi Engineering-Economic Institute (Karshi, Uzbekistan), Bashkir State Agrarian University (Ufa, Russia) and Samarkand State University of Veterinary Medicine, Livestock and Biotechnologies (Samarkand, Uzbekistan).

The conference was held with the aim of summarizing international experience in the development of the biology, breeding, technology, processing of agricultural crops and ecology, namely:

- The formation of prerequisites for the further development of breeding during the period of active development of microbiology and biotechnology;
- Development of veterinary medicine, animal husbandry and biotechnology;
- Development of scientific and creation of practical potential in order to formulate proposals for the introduction of science-intensive technologies in agriculture;
- Popularization of fundamental and applied research in the field of agriculture, biology, breeding and processing of agricultural products;
- Development of scientific and practical proposals for the conservation of biological diversity.

The topics of the conference were as follows:

- Selection, physiology and immunity of agricultural plants;
- Biotechnology and molecular research in crop production;
- Soil fertility and fertilization of agricultural plants;

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- Processing of agricultural products;
- Innovative technologies for the cultivation of agricultural plants;
- Modern aspects of veterinary medicine;
- Automation and information technology in agriculture;
- Development of the food industry;
- Ecology and protection of agricultural plants from harmful organisms;
- Ecology and environment protection;
- Conservation of biological diversity.

The conference was attended by representatives of research, government and commercial organizations, as well as scientists from near and far abroad, namely, scientists from Russia, the Republic of Uzbekistan, the Republic of Azerbaijan, China, Latvia and Sri Lanka. During the conference, the participants discussed problems related to the biology, breeding, technology, processing of agricultural crops and ecology. Thus, the conference made it possible to formulate new scientific directions and recommendations for ensuring sustainable development, which can be useful to state and regional authorities, international and supranational organizations, the scientific and professional community.

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