

COOPERATIVE RELATIONS IN THE DEVELOPMENT OF SCIENCE AND TECHNOLOGY BETWEEN UZBEKISTAN AND BELARUS

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Abstract: This article describes the specific aspects of mutual cooperation in the development of science and technology between Uzbekistan and Belarus. The article describes the joint research programs of the scientific research institutes of the Academy of Sciences of the Republic of Uzbekistan and the scientific research institutes of the National Academy of Sciences of Belarus.

Key words: innovation, cooperation agreement, cooperation agreement, internship, joint scientific laboratory.

Introduction:

The establishment of cooperation between the Academy of Sciences of Uzbekistan and the National Academy of Sciences of Belarus is becoming important in the study of science and its problems and its implementation between the countries. The development of scientific and technical cooperation between the higher scientific centers of Uzbekistan and Belarus is based on the activation of the existing scientific and technical relations between the Academies of Sciences and their research institutes. The "Agreement on Scientific Cooperation" concluded between the Academy of Sciences of the Republic of Uzbekistan and the National Academy of Sciences of Belarus on May 24, 2007 serves as the legal basis for scientific and technical cooperation between the two countries. [1]

The development of scientific and technical cooperation between the Academy of Sciences of the Republic of Uzbekistan and the National Academy of Sciences of the Republic of Belarus is based on the activation and deepening of existing scientific and technical relations between the Academies of Sciences and their research institutes. In order to jointly develop other organizations of Uzbekistan and Belarus.

As part of the signed Agreement, from October 28 to October 31, 2018. A Belarusian delegation of 12 scientists of the Belarusian National Academy of Sciences visited the Republic of Uzbekistan. During the visit of the delegation, the institutes of the Academy of Sciences of the Republic of Uzbekistan were visited, a meeting was held with the leadership of the Academy of Sciences of the Republic of Uzbekistan to discuss the issues of deepening bilateral cooperation.

Methodology:

As a result of the agreements reached between Belarus and Uzbekistan, 15 joint scientific and technical projects are being implemented today.[2] April 9, 2019

At the first meeting of the Belarus-Uzbekistan joint commission for the development of science and technology, support and development of projects in the fields of mechanical engineering, agricultural and agro-industrial technologies, medicine and pharmaceuticals, new materials, ICT, genetics and biotechnology 'production was discussed. At the conclusion of the commission meeting, the parties agreed to establish at least two joint research laboratories in Belarus and Uzbekistan.

Research results:

As a result of the cooperation of the academies of sciences of the two countries, it is planned to visit the leading higher educational institutions of Belarus, their technological parks, to get acquainted with the activities of the State Committee for Science and Technology, the Ministry of Education. According to Shahlo Miralimova, deputy director of the Institute of Microbiology of the Academy of Sciences of Uzbekistan, the purpose of the practice is to exchange experience in innovative activities, organize research and development, and integrate production, science and education. . "We hope that the results of this visit will help to adapt our activities to the development of innovations. The strategy of innovative development has been adopted in Uzbekistan, and great attention is being paid to innovative direction and research activities," he said. Shakhlo Miralimova added that this year the Institute of Microbiology of the Academy of Sciences of Uzbekistan and the Institute of Microbiology of the Academy of Sciences of Belarus plan to implement a joint scientific project in the field of microbial synthesis of copper nanoparticles. During their visit to Belarus, Uzbek specialists will get acquainted with the methodology of preparing and conducting various forms of research, the principles of organizing innovative activities in Belarusian higher educational institutions, and the implementation of the concept of scientific and innovative activities in higher educational institutions and innovative entities. are expected to have practical skills for.

On October 10, 2018, the State Committee for Science and Technology of Belarus and the Ministry of Innovative Development of Uzbekistan announced a competition for joint scientific and technical projects in 2019-2020.[3] The competition will be held in the following priority areas of bilateral cooperation: energy and energy saving, renewable energy; medicine and medical technology, pharmacy; nano- and biotechnology; chemical technology; new materials; information and communication technologies; digital economy; aerospace; robotics; food safety; agro-industrial technologies; rational management of nature, prevention and elimination of consequences of natural disasters; water resource management technologies; mining technologies; environmental protection; laser technologies and photonics. The competition was held in accordance with the agreement between the governments of Belarus and Uzbekistan on cooperation in the field of science and technology on September 13, 2018. On April 9, 2019, the first meeting of the Belarus-Uzbekistan commission on cooperation in science and technology was held.[4] According to the results of the meeting, Belarus and

Uzbekistan agreed on a list of 15 joint projects in various fields for joint financing. In particular, it is intended to encourage and support new scientific projects in the fields of mechanical engineering, agricultural and agro-industrial technologies, medicine and pharmacy, new materials, ICT, genetics and biotechnology. They were selected based on the results of the joint scientific and technical project competition held in 2019-2021 on the priority areas of bilateral cooperation. It is planned to start the implementation of projects from this month. In addition, the parties plan to establish at least two joint research laboratories in Belarus and Uzbekistan.

During the meeting, Alexander Shumilin, Chairman of the Belarusian State Committee on Science and Technology, and Ibrokhim Abdurahmanov, Minister of Innovative Development of Uzbekistan, signed the executive program of scientific, technical and innovative cooperation in 2019-2020.

The Belarus-Uzbekistan Agrarian Forum was held in Tashkent on February 25-26, 2020. A pavilion of the Belarusian National Academy of Sciences was also organized at the exhibition. The Academy of Sciences of Belarus presented more than 60 innovative developments for the agriculture of Uzbekistan. [5] The scientific-practical center for food of the National Academy of Sciences of Belarus presented a whole series of food products for different groups of the population. Among the new products is vegetable marmalade. The line includes marmalade made from sweet corn, red carrots, ripe pumpkin, juicy tomatoes and spicy celery. The Institute of Meat and Dairy Industry presented a dry milk preparation method for the dairy industry and home use, as well as dry mixes for ice cream. The Institute of Soil Science and Agrochemistry presented a range of complex mineral fertilizers with a proportional ratio of nutrients for cultivated crops.

In Tashkent, the potato and horticulture scientific-practical center of the Belarusian National Academy of Sciences demonstrated new disease-resistant potato varieties. Among them are "manifest", "uladar", "palace" and others. Institute of Experimental Veterinary Medicine. SN Vyshesky - introduced vaccines for the prevention and treatment of viral and bacterial diseases of livestock. Scientists at the Center for Identification Systems and Electronic Business Operations of the National Academy of Sciences have proposed technology for the digital identification and tracking of animals and animal products.

Conclusions:

As a result of the joint activities of the Academy of Sciences of the Republic of Uzbekistan and the National Academy of Sciences of Belarus, scientific and technical cooperation is effectively implemented. As a result of the cooperation of the higher science centers of the two countries, the exchange of scientific and technical information has become active for both sides. Implementation of joint scientific and technical projects and programs between scientific research institutes has been effectively launched. A system of exchange of scientists, researchers and specialists was established to carry out research and development on important

problems of science, social life and production. Also, a system of cooperative use of basic literature base of academies was established. Regular scientific events, conferences, symposia, and seminars were organized between scientific inspection institutes.

In short, as a result of the continuous cooperation of Uzbekistan and Belarus in the development of science, energy and energy saving, renewable energy; medicine and medical technology, pharmacy; nano- and biotechnology; chemical technologies; information and communication technologies; digital economy; aerospace research; robotics; food safety; agro-industrial technologies; rational use of natural resources, elimination of the consequences of natural disasters and their prevention; water resource management technologies; effective results are achieved in the introduction of technologies for the extraction of mineral resources.

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