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Cooperation of the Republic of Azerbaijan With the Republic of Belarus in the Field of Science, Education and Technology

Abstract

The socio-economic essence of the state, the country's defense capability and national security, the cultural and educational progress of society and the welfare of the people are directly related to the level of scientific development. Cooperation between Azerbaijan and Belarus is developing in all areas of mutual interest, and ties in the fields of science, education and technology occupy a special place. Joint scientific research, the implementation of joint innovative projects in the interests of the economies of the two countries and the organization of joint production are carried out as priority areas of bilateral scientific and technical cooperation. Cooperation in the field of education is developing dynamically. The agreement between the Government of the Republic of Belarus and the Government of the Republic of Azerbaijan on cooperation in the field of science and technology promotes the development of scientific and technical cooperation based on the principles of equality and mutual benefit. This article is based on the method of reviewing cooperation between the Republic of Belarus and the Republic of Azerbaijan in the field of science, education and technology, where potential research areas are identified.

Keywords: Belarus-Azerbaijan, scientific and technical relations, international relations, education in Azerbaijan, education in Belarus

Azərbaycan Respublikasının Belarus Respublikası ilə Elm, Təhsil Və Texnologiya Sahəsində Əməkdaşlığı

Xülasə

Dövlətin sosial-iqtisadi mahiyyəti, ölkənin müdafiə qabiliyyəti və milli təhlükəsizliyi, cəmiyyətin təkamülü və xalqın rifahı elmin inkişaf səviyyəsindən bilavasitə asılıdır. Azərbaycan ilə Belarus arasında əməkdaşlıq qarşılıqlı maraq doğuran bütün sahələr üzrə inkişaf edir, elm, təhsil və texnika sahələrində əlaqələr xüsusi yer tutur. Birgə elmi tədqiqatlar, iki ölkənin iqtisadiyyatlarının maraqları naminə birgə innovativ layihələrin həyata keçirilməsi və innovativ məhsulların birgə istehsalının təşkili ikitərəfli elmi-texniki əməkdaşlığın prioritet istiqamətləri kimi həyata keçirilir. Təhsil sahəsində əməkdaşlıq dinamik inkişaf edir. Belarus Respublikası ilə Azərbaycan Respublikası arasında təhsil sahəsində əməkdaşlıq üçün normativ-hüquqi baza yaradılıb, universitetlər arasında əlaqələr qurulub. Belarus Respublikası ilə Azərbaycan Respublikası arasında elm və texnika sahəsində əməkdaşlıq haqqında saziş bərabərlik və qarşılıqlı fayda prinsiplərinə əsaslanan elmi-texniki əlaqələri təmsil edir. Bu məqalə Belarus Respublikası ilə Azərbaycan Respublikası arasında elm, təhsil və texnologiya sahəsində əməkdaşlığın icmalı metoduna əsaslanaraq yazılmış, burada tədqiqatın potensial sahələri müəyyən edilmişdir.

Açar sözlər: Belarus-Azərbaycan, elmi-texniki əlaqələr, beynəlxalq münasibətlər, Azərbaycanda təhsil, Belarussiyada təhsil

Introduction

In the context of a new stage of the scientific and technological revolution, international scientific and technical relations are of particular importance. In the modern world, the goals of technological development are changing, the development of human intellectual potential and the processing of a growing amount of information come to the fore. The uneven development of various types of technologies requires the expansion of international knowledge exchange.

In modern conditions, international scientific and technical ties are growing rapidly on the basis of acute competition, and international exchange of scientific and technical information is taking place. One of the important arguments in scientific and technical relations is the comparison of scientific potentials and technical capabilities of individual countries. Organizational forms of scientific and technical relations are increasingly becoming

multilateral and depend on the level of development, specific features and technical level of countries (Klimenko, 2020; Dahlman, 2006).

The development of science is one of the important priorities of the Azerbaijani state. Currently, the exceptional role of political, economic, scientific, technical, environmental and informational factors in international relations has given impetus to the scientific development of the Republic of Azerbaijan. For the socio-economic essence of the state, the protective capacity and national security of the country, the cultural and educational progress of society and the welfare of the people are directly related to the level of scientific development. The Law of the Republic of Azerbaijan "On Science" (June 14, 2016) establishes the basic principles of state policy in the field of organization, management and development of scientific activity, goals, rights and obligations of subjects of scientific activity, as well as mechanisms for financing science. The law emphasizes the importance of integrating science, education and the economy, and also encourages entrepreneurship and innovation of scientists to ensure competitive scientific and technological development in the country (Decree of the President, 2020). Azerbaijan shows serious interest in cooperation in this field with countries that have achieved high scientific and technological progress, expands international relations, and also promotes its scientific and technical achievements.

Azerbaijan and Belarus traditionally have close positions in the international arena, pursuing an independent foreign policy, the unconditional priority of which is the interests of the peoples of these countries. Belarusian-Azerbaijani relations today can be called exemplary in the modern system of interstate relations without exaggeration. Cooperation between these countries is developing in all areas of mutual interest and ties in the field of science, education and technology occupy a special place.

Results and discussion There is a solid foundation in Azerbaijani-Belarusian relations – a solid financial, personnel, resource and human base. Currently, the innovative path of development is determined by the strategic course both in the Republic of Belarus and in the Republic of Azerbaijan. Both countries have created the necessary prerequisites for the promotion of joint innovative projects, a competitive system has been created for the promotion of scientific ideas from the development stage to practical implementation in real sectors of the economy. Joint scientific research, implementation of joint innovative projects in the interests of the economies of the two countries and organization of joint production of innovative products have been identified as priority areas of bilateral scientific and technical cooperation. The Academies of Sciences of Belarus and Azerbaijan have successfully completed about 40 joint scientific and technical projects in such fields as economics, physics, chemistry, genetics,

zoology, linguistics, energy security, and laser technologies. The results of the research have found their application in the real sector of the economy of the two countries (Aliyeva, 2022).

On June 3, 2010, an agreement was signed in Baku between the Government of the Republic of Belarus and the Government of the Republic of Azerbaijan on cooperation in the field of science and technology. Under the agreement, the parties assumed responsibility to promote scientific and technical cooperation based on the principles of equality and mutual benefit, creating the necessary organizational, legal and economic conditions for this (Article 1). The forms of cooperation between the Parties were defined, such as the exchange of scientific and scientific-technical information, joint scientific research, exchange of scientists and researchers, participation in scientific conferences, symposiums, internships, seminars, organization and holding of joint scientific and technical exhibitions (Article 4). The competent authorities of the Parties for the implementation of the Agreement were the State Committee for Science and Technology of the Republic of Belarus and the National Academy of Sciences of Azerbaijan (Soqlasheniye mejdu, 2010).

On November 1, 2013, Baku State University held a roundtable on the topic "Scientific innovations and their implementation in the education system". 74 representatives from 28 countries participated in the round table of the III Baku International Humanitarian Forum on the topic "Scientific innovations and their transfer to education". Representatives of the USA, England, France, Germany, Canada, Spain, Italy, Turkey, Romania, Egypt, Kuwait, Hungary, Croatia, Poland, Russia, Jordan, Bulgaria, Czech Republic, Ukraine, Kazakhstan, Estonia, Latvia, Lithuania, Turkmenistan, Tajikistan, Belarus, Georgia and Moldova took part in the event (Posolstvo Respubliki Belarus, 2013).

Within the framework of the Cooperation Agreement signed in 2015 between the National Academy of Sciences of the Republic of Belarus and the National Academy of Sciences of the Republic of Azerbaijan, competitions for fundamental and applied research have been organized. As a result of the activities with the participation of the Foundation for Basic Research of the Republic of Belarus and the Foundation for the Development of Science in Azerbaijan, 6 joint projects have passed state expertise in Belarus and Azerbaijan. At the same time, in order to expand cooperation in the field of science and innovation, meetings of the Joint Belarusian-Azerbaijani Working Group on Scientific and Technical Cooperation are held on a regular basis, during which the parties discuss the state and prospects of cooperation, as well as outline priority areas and mechanisms. As a rule, a number of documents are signed following the meetings. The largest companies in the field of ICT and high technologies, as

well as the Ministries of Communications of Belarus and Azerbaijan regularly carry out contacts and annually participate in the main exhibition events of the two countries: TIBO in Belarus and BAKUTEL in Azerbaijan.

Cooperation in the field of education is developing dynamically. The regulatory and legal framework for cooperation in the educational sphere between the Republic of Belarus and the Republic of Azerbaijan has been created, contacts between universities have been established. Educational institutions of the two countries work together on an ongoing basis within the framework of scientific programs and projects in order to exchange experience, give lectures, and participate in international events. On an ongoing basis, work is underway to attract Azerbaijani youth to study in the Republic of Belarus. Belarusian universities regularly take part in thematic events in Azerbaijan. Interaction between educational institutions and organizations of the two countries is carried out on the basis of 61 direct agreements. In 2010, during the visit of the President of Belarus Alexander Lukashenko to Azerbaijan, the Center of the Belarusian Language and Culture was opened on the basis of the Baku Slavic University. In the same year, the Center of the Azerbaijani Language and Culture was opened and successfully operates at the Belarusian State Pedagogical University named after M.Tank. Higher education institutions of Belarus and Azerbaijan have signed more than 40 direct contracts, within the framework of which joint scientific, pedagogical and educational projects are carried out (Belarus dili, 2010).

Forum was held in Baku with the participation of representatives of 21 higher educational institutions of Belarus. At the Forum, representatives of universities held presentations of university opportunities, direct negotiations with Azerbaijani partners were organized, comprehensive recommendations on the conditions of study in Belarus were given. The exhibition stands of Belarusian universities aroused great interest among young people, students, as well as students of schools and lyceums of Baku (Posolstvo Respubliki Belarus,2013).

Bilateral literary ties have been widely developed. The scientific staff of the two countries have completed the work on the publication of the Belarusian–Azerbaijani and Azerbaijani–Belarusian dictionary. In February 2019, within the framework of the Minsk International Book Fair, the National Library of Belarus hosted the presentation of the publication "Anthology of Modern Azerbaijani Literature. Poetry" (Aliyeva, 2022).

On March 10, 2020, within the framework of the 18th International Scientific and Technical Conference "Science - Education, Production, Economy", the 73rd Scientific and Technical conference of the teaching staff, researchers, doctoral students and postgraduates of

BNTU, the Department of Philosophical Doctrines of the Faculty of Management Technologies and Humanitarization held an international round table on the topic “Values of Eurasian culture: spirituality, traditions, economic cooperation priorities”. The international round table was a continuation of the cooperation of scientists. The humanities of the Belarusian National Technical University and the Azerbaijan University of Languages focused on the topics of multiculturalism and innovation (Dialog uchenix, 2020).

On November 3, 2021, Minister I.V.Karpenko met with Ambassador Extraordinary and Plenipotentiary of the Republic of Azerbaijan to the Republic of Belarus U.Bakhshaliyev at the Ministry of Education of the Republic of Belarus. The parties expressed interest in further enhancing cooperation in the field of higher and postgraduate education, as well as in the training of highly qualified personnel. In 2021, a cooperation agreement was signed between the Belarusian State Technological University and the Azerbaijan State University of Economics, and a roadmap for cooperation between the Belarusian State University and Baku State University was agreed. The parties planned to open joint educational programs, participate in scientific events, conduct scientific and educational internships. Baranovich State University actively cooperates with Sumgait State University, Vitebsk State Technological University, Polotsk State University. Work is being carried out jointly with Baku Engineering and Azerbaijan State University of Economics on the development and implementation of educational programs with the issuance of double diplomas. Cooperation agreements were signed between the Belarusian Medical Academy of Postgraduate Education and the Azerbaijan State Institute of Advanced Medical Training named after A.Aliyev. An agreement on scientific and practical cooperation was also signed between the Belarusian "Republican Scientific and Practical Center of Traumatology and Orthopedics" and the Research Institute of Traumatology and Orthopedics of the Ministry of Health of the Republic of Azerbaijan.

On October 27-29, 2021, an international scientific conference "Issues of logistics, management and operation in the East-West transport corridor" was held in Baku. During the conference, a Memorandum of Cooperation was signed between the Institute of Management Systems of ANAS and the Institute of Applied Software Systems of the Republic of Belarus. On November 23-27, 2021, the delegation of the National Academy of Sciences of Azerbaijan took part in the III Forum of Scientists of the CIS member states, held in Minsk. The Azerbaijani delegation included Director General of the Institute of Management Systems of ANAS Academician Ali Abbasov (head of the delegation), Director General of the Institute of Oil and Gas of ANAS Academician F. Gadirov, Head of the Department of the Institute of Information

Technologies of ANAS R. Alygulyev, Executive Director of the High-Tech Park of ANAS Z. Nehmatov, Assistant Director General of the Nizami Ganjavi Institute of Literature of ANAS P. Hajiyeu, Head of the Department of International Relations and Innovations of the Institute of Management Systems of ANAS T. Babayev and Head of the Laboratory of the Institute of Management Systems of ANAS A. Pashayev (Deieqaziya NANA, 2021).

Academician Ali Abbasov spoke at the round table on the topic "Scientific and technical cooperation of the CIS countries in solving global problems of nature within the framework of the Digital Silk Road project". In his speech, A.Abbasov brought to the attention of the participants the results of research in the field of scientific and technical cooperation of the CIS countries within the framework of the Digital Silk Road in order to solve global problems. The speaker told the participants about the level of development of information infrastructure in Azerbaijan, including the Internet, space technologies, transnational information channels, data centers, computing systems and highlighted the role of Azerbaijan's scientific potential. The ANAS delegation also held numerous bilateral meetings. On November 23, representatives of the Institute of Control Systems held meetings at the Joint Institute of Mechanical Engineering of the National Academy of Sciences of Belarus in Minsk and signed a bilateral cooperation agreement. On November 24, representatives of the Institute of Management Systems of ANAS held a meeting at the Institute of Applied Software Systems of the Republic of Belarus, where they discussed the possibilities of further bilateral cooperation. On November 24, 2021, the Belarusian State University of Informatics and Electronics held meetings with representatives of ANAS and signed a memorandum of cooperation between the Institute of Control Systems and the University. The memorandum provides for broad cooperation in the field of science, education and other areas of importance for the two institutions (III Nauchniye, 2013).

On November 24, 2021, the Executive Director of the Hi-Tech Park Z.Nehmatov held meetings with the leadership of the Center for Identification Systems of the National Academy of Sciences of Belarus and the Institute of Mathematics of the National Academy of Sciences of Belarus. At the meeting, the sides exchanged views on the implementation of joint projects with residents of the ANAS High-Tech Park and discussed prospects for mutual cooperation. On November 26, 2021, Z. Nehmetov held a meeting with the leadership of the Hi-Tech Park of Belarus. Extensive information about the history and present of the Hi-Tech Park of Belarus, its capabilities, innovative projects, residents, and statistical indicators was presented at the meeting. The possibilities of cooperation between the High-Tech Park of ANAS and the High-Tech Park of Belarus were discussed. Later Z.Nehmatov made a detailed presentation about the

Hi-Tech Park of ANAS and got acquainted with innovative products, technological innovations developed in the Hi-Tech Park of Belarus [Belarus dili, 2010].

The first congress of scientific councils of the International Association of Academies of Sciences was held in Minsk from November 24 to 26, 2021. The congress was attended by the Director General of the Institute of Oil and Gas of ANAS, the Chairman of the Scientific Council for Geodesy and Geophysics of the International Association of Academies of Sciences, Academician F. Gadirov and the head of the Department of the Institute of Information Technologies R. Aliguliyev.

The head of the International Association of Academies of Sciences, Chairman of the Presidium of the National Academy of Sciences of Belarus Academician V. Gusakov informed the participants of the congress about the work done. At the end of the congress, the final resolution was adopted. Head of the Department of the Institute of Information Technologies of ANAS, corresponding Member of ANAS R. Aliguliyev held a meeting at the Joint Institute of Informatics Problems of the National Academy of Sciences of Belarus within the framework of the forum. After the meeting, the guests got acquainted with the work of the Republican Supercomputer Center operating at the Institute and the Belarusian Spacecraft Flight Control Center.

On November 24, Executive Director of the Nizami Ganjavi Institute of Literature P. Hajiyev visited the Center for Research of Belarusian Culture, Language and Literature of the National Academy of Sciences of Belarus. Meetings with philologists, folklorists, and art historians were held in the assembly hall of the center (Belarus dili, 2010).

Conclusion

The Government of the Republic of Belarus and the Government of the Republic of Azerbaijan are convinced that scientific and technical cooperation is an important component of the entire complex of bilateral relations. Recognizing the need for cooperation in the context of internationalization of scientific research and development, wishing to develop and strengthen cooperation between the two States in the field of science and technology, these ties contribute to the economic and social development of the two States. The emerging scientific and technical ties between the Republic of Belarus and the Republic of Azerbaijan will certainly contribute to strengthening cooperation between the two countries and peoples. We believe that they will create prerequisites for the development of mutually beneficial trade and economic ties and a long-term basis for the development of this cooperation.

Cooperation between Belarus and Azerbaijan in the field of science, education and technology will play a big role in solving many issues related to scientific and innovative activities, as well as make an important contribution to the development of science and the protection of the interests of scientists.

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