

On the example of Karakalpak State University of reforms in higher education of the Republic of Karakalpakstan

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Abstract. The article describes the reforms and changes in the field of education in the Republic of Karakalpakstan in 1990-2020, specific directions of development, increasing demand for higher education in the early days of independence, the introduction of new specialties and new education, the role of higher education and reforms at Karakalpak State University.

Keywords: Education, Reform, Politics, University, Science, Culture, Law on Education, Training

Today, the training of competitive personnel and specialists who meet the requirements of renewal and well-being of society is the basis of development of Uzbekistan. In this process, the higher education system plays a special role as an important link in the industry.

Karakalpak State University named after Berdakh is an important higher education institution, which plays an important role in providing the national economy with highly educated personnel. The university was founded in 1976 on the basis of the Karakalpak State Pedagogical Institute, and by 1990 the Nukus State Pedagogical Institute named after Ajiniyaz was separated from the university. During independence, branches of the Tashkent Pediatric Medical Institute, Tashkent State Agrarian University, Tashkent University of Information Technologies were established on the basis of university faculties. [1]

In the 1991-1992 academic year, there were two higher education institutions in Karakalpakstan, with 9.9 thousand students. This was a much lower figure for that period, when more than 1 million people lived there. Because the majority of the population is young, only a certain proportion of them would have access to higher education in their area.

According to the decision of the Presidium of the Jogorku Kenesh of the Republic of Karakalpakstan No. 274 of January 25, 1992, Nukus State University was renamed Karakalpak State University named after Berdakh [3].

In the first years of Karakalpak State University, 4,830 students studied in 8 faculties, 28 professors and teachers taught them. additional teaching staff taught.

Karakalpak State University named after Berdakh was a period of real renewal in science, art, literature and other areas. During these years, new specialties related to the socio-economic growth of the republic were opened, which were fully staffed with scientific and pedagogical staff.

The university has become one of the centers of higher education in science, education and the national economy, not only in the country, but throughout Uzbekistan. Since its opening in 2011, the university has trained 38 doctors and professors, more than 200 candidates of sciences and associate professors.

Based on the rich intellectual heritage of the people and universal values, achievements in science, technology and technology, he paid special attention to the formation of the most important tasks of state and social independence, raising the status of educational institutions to train specialists needed for the national economy.

In the 1990s, the university began training in ecology, medicine, environmental protection, rational use of natural resources, finance and credit, automatic control systems, applied mathematics and computer science, Arabic, journalism, Turkmen and Kazakh languages and

literature. Since the opening of the university, more than 30 doctors of sciences and more than 150 candidates of sciences have been working here.

In February 1993, by order of the Higher Attestation Commission under the Cabinet of Ministers of the Republic of Uzbekistan, doctoral dissertations on Karakalpak philology were defended at the university council, where previously only candidate's dissertations were defended.

In order to implement the order adopted by the Ministry of Higher and Secondary Special Education on March 15, 1994, postgraduate courses were opened at the faculties and departments of the university. Admission to graduate school will be on a competitive basis.

In the process of paying special attention to the information and resource center of the institution, 7 reading rooms for 650 seats and a conference hall for 350 seats were established. In turn, the book fund has been enriched, and now there are 475.5 thousand works. The embassies of Germany and Switzerland in Uzbekistan have contributed to the provision of the library with modern educational and scientific literature, with the help of which in 3 years the fundamental library has been enriched with more than 10,000 books in English, German and other languages. At the same time, the electronic library received texts from more than 300 disciplines from other universities of Uzbekistan [7].

Particular attention was paid to the computerization of the university's educational base to prepare students in accordance with modern requirements. Currently, the university is connected to the international Internet, with the help of which educational, research and development work is carried out [8].

Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 230 of May 23, 2001, Order No. 23 of the Ministry of Higher and Secondary Special Education "On the establishment of information technology and distance learning centers for higher and secondary special education institutions" a distance learning center was established. Students' knowledge was assessed on the basis of a rating system.

With the strategic goal of providing the Republic of Karakalpakstan with highly qualified personnel capable of international competition in accordance with the market economy, in the 2001-2002 academic year there were a total of 24 bachelor's and 19 master's specialties, in the 2007-2008 academic year 38 bachelor's and 28 master's degree, in the 2008-2009 academic year, new fields of knowledge of oil and gas gas processing technology, treasury work, highways and airfields, biochemistry and soil erosion protection were opened. From 2010 to 2012, the university trained 43 bachelor's degree students and 23 master's degree students. In the 2010-2011 academic year, a new bachelor's degree in agrochemistry and soil science and a master's degree in ecological expertise, microbiology were opened.

In the 2001-2002 academic year, 85.1% of university undergraduate graduates were employed, compared to 95.8% in the 2007-2008 academic year, an increase of 10.7%. For master's graduates, this figure was 91.5% in the 2001-2002 academic year, and 97.2% in the 2007-2008 academic year, an increase of 5.7%.

At Karakalpak State University, all departments conducted research based on the planned single talented topics.

During 1991-2011, as a result of research work, 25 patents, 161 monographs and brochures, 117 textbooks, 395 textbooks, 682 teaching aids and about 150 scientific conferences were organized. 6896 scientific articles and theses were published [9].

The university departments have carried out research on the basis of foreign grants to expand international relations and attract foreign investment in education. For example, under the programs of the Eurasia Foundation, the Soros Foundation, UNESCO, NATO, JICA and INTAS, research work was carried out in 1991-2011 on the basis of grants in the amount of 96,298 US dollars and 26,666 ecu.

From 1991 to 2011, 14 talented students of the university were awarded by the Umid Foundation, 10 by Axels, 10 by IREX and 6 by DAAD. Talented students have studied at universities in developed countries such as the United States, the United Kingdom, Germany, Slovakia, South Korea, and Qatar.

In 2001-2011, professors and students of the university were supported by the "Teacher", "Talent" foundations, DAAD, ACSELS, Tempus, JICA, KOICA foundations in the United Kingdom, the United States, Canada, Sweden, Israel, Malaysia, Turkey, Germany, China, Russia. and visited universities and research centers in other countries and exchanged experiences.

The university is included in the program of reconstruction of higher education institutions in the country, and in 2014 for this purpose was allocated 13 billion 150 million soums, 4 of which were renovated and equipped with modern equipment. Beginning in January 2016, university students began studying in the modern buildings of the newly renovated buildings.

University science is developing in close cooperation with many universities and research institutes of the CIS countries and the Republic of Uzbekistan.

During 2017-2020, the university will be located in the Russian Federation, Kazakhstan, Kyrgyzstan, Belarus, Ukraine, Portugal, Poland, Slovakia, Italy, Spain, Hungary, Austria, Germany, South Korea, Azerbaijan, the People's Republic of China and the United Kingdom. signed cooperation agreements and memoranda with higher education and research institutions. In addition, close cooperation has been established with international cooperation, educational and cultural organizations ITEC, DAAD, KOICA, JICA, TIKA, GIZ, the British Council, SES. He also participated in the China-Uzbekistan Cooperation Symposium on "Ecology, Environment and Regional Sustainable Development" organized by the Xinjiang Research Institute of Ecology and Geography of the Chinese Academy of Sciences. Urumqi signed the Declaration.

In the last 3 years, QQSU has held a total of 16, including 1 international conference and 1 international symposium in 2018, 4 conferences in 2019, 1 international forum and 2 international seminars-trainings, and in 2020 5 international conferences and 2 international seminars. international seminars and trainings were held. A total of 9 monographs (1 in 2017, 3 in 2018, 5 in 2019) have been published by university professors in foreign countries in the last 3 years. In the 2018-2019 academic year, 127 foreign citizens were admitted to study [14].

The university currently has 16 faculties, including 51 departments with a total of more than 750 professors and teachers, 27 doctors of sciences (DSc) and professors, 246 candidates of sciences and doctors of philosophy (PhD), 35 scientific potential of the university. , 5 percent. The average age of PhDs is 56 years, the average age of PhDs is 51 years, and the average age of those with a total academic degree is 53 years. The scientific potential of Karakalpak State University will be 31.4% in 2017, 31.6% in 2018, 34.6% in 2019 and 35.1% in 2020. Unfortunately, it lags behind the leading universities in Uzbekistan in terms of scientific potential.

The number of Doctors of Science (DSc) and Candidates of Science (PhD) at Karakalpak State University is also growing every year. In particular:

Degree of Doctor of Philosophy (PhD) and Doctor of Science (DSc)	2017	2018	2019	2020
Number of professors with the degree of Doctor of Science (DSc)	28	29	27	28
The number of professors and teachers with the degree of Doctor of Philosophy (PhD)	179	186	212	238
Total	207	215	239	266

Today, the university has done a lot to increase scientific capacity. In particular, in January-December 2020, a total of 41 researchers defended their dissertations at the University, including 6 Doctors of Science (DSc) and 35 PhDs [17].

Dynamics of protection indicators by university professors (per person)

Degree of Doctor of Philosophy (PhD) and Doctor of Science (DSc)	2017	2018	2019	2020
The number of professors who have defended their PhDs	3	18	35	35
The number of professors who have defended their PhD (DSc) degree	2	1	4	6
Total	5	19	39	41

In order to further increase the scientific potential of the university, to ensure the successful defense of their dissertations (PhD, DSc), there are 6 Academic Councils at the Karakalpak State University named after Berdakh, awarding the degrees of Doctor of Science (DSc) and Doctor of Philosophy (PhD). going on:

In order to successfully achieve the international ranking of the University, special attention is paid to the publication of a number of works, including scientific articles and other publications in international scientific databases. In particular, in 2019 alone, a total of 28 articles were published by university professors in scientific journals in Scopus international scientific databases, and in 2020 this figure reached 73:

The number of articles published by university professors in scientific journals in Scopus scientific databases continues to grow.

Magazine status	2017	2018	2019	2020
The number of articles published in scientific journals in Scopus scientific databases	6	11	28	73

All this is evidenced by the attention of our state to science.

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