

## **EXTENDED ANNUAL REPORT ON SDG 9 OF NAMANGAN STATE UNIVERSITY FOR 2024**

### **1. Work carried out to increase the scientific potential and increase the effectiveness of involving young people in research activities.**

Today, **245** professors and teachers of Namangan State University have academic degrees, of which **31** are Doctors of Science (DSc) and **214** are Candidates of Science and Doctors of Philosophy (PhD). The scientific potential is 40.1%. It is planned to increase the scientific potential by **15%** and bring it to **55%**.

As a result of the measures taken to increase the scientific potential of the university, in 2024, 5 professors and teachers successfully defended their doctoral (DSc) and **65** doctoral (PhD) dissertations. This year, **15** professors and **34** associate professors of the university received academic titles. It is planned to double this indicator.

At Namangan State University, there are 5 scientific councils for awarding academic degrees in 9 specialties. During 2024, 3 applicants successfully defended their dissertations for the degree of Doctor of Science (DSc) and 36 applicants for the degree of Doctor of Philosophy (PhD) in these Councils. It is planned to increase the number of scientific councils to 8 and specialties to 15. **Especially 13.00.01 - "Theory of Pedagogy**. Taking into account the large number of researchers in the specialties "History of Pedagogical Doctrines" and 13.00.07 - "Management in Education" and the presence of about 40 dissertation-ready researchers at the university, it is necessary to establish the activities of a Scientific Council for these specialties.

In order to orient gifted students towards scientific research and innovative activities, 28 scientific seminars and training sessions were held throughout the year, 4 scientific and innovative exhibitions of gifted students were held, and 2 Youth Academy forums were held.

The share of recipients of the President of the Republic of Uzbekistan and the named state scholarship at the university increased by 30%. The amount of prizes won by talented students as a result of their research activities in prestigious competitions held at the republican and international levels amounted to **161.2 million soums**.

Also, based on the content and essence of the tasks defined in the Decree of the President of the Republic of Uzbekistan dated September 13, 2017 and the Development Strategy of New Uzbekistan, the Department for the Organization of Research Activities of Gifted Students has been conducting the "One Book a

Week" project since the first week of 2024. Through this project, 54 scientific and fiction books were presented to university students. More than 12,000 students were covered, and **162 students** were recognized as winners of the project, and **32.4 million** soums were paid as incentives.

## **2. The state of organization of work on the publication of research results and increasing their scientific impact.**

During 2024, professors, teachers, and researchers of Namangan State University published **2120 articles** in domestic scientific journals recognized by the Higher Attestation Commission, **532 articles** in international scientific journals recognized by the Higher Attestation Commission, **135 articles** in foreign scientific journals indexed in the Scopus and Web of Science databases, **2801 articles** at republican conferences, **1756 articles** and abstracts at international conferences, and **82 monographs**.

The scientific journal "Scientific Bulletin of Namangan State University" has been established at Namangan State University, which operates on the basis of certificate No. 1106 dated August 29, 2020, issued by the Agency for Information and Mass Communications under the Administration of the President of the Republic of Uzbekistan (AOKA).

The journal is published 12 times a year, and in 2019, by the decision of the Presidium of the Higher Attestation Commission of the Republic of Uzbekistan, it was included in the list of scientific publications recommended by the Higher Attestation Commission for the publication of the main scientific results of dissertations in 6 scientific areas. As an electronic publication, the journal has an international standard series number (ISSN-2181-1458) and is registered on the website <http://portal.issn.org>. The magazine has a website at <http://journal.namdu.uz/>.

In the Scopus and Web of Science databases of the university, the number of professors and teachers with an h-index of 3 and higher is 45, and in other databases - 142.

Currently, **370 doctoral** students are studying at Namangan State University, including 356 basic doctoral students, 10 doctoral students, and 4 trainee researchers. In 2024, **92 applicants** completed doctoral studies, of which 37 defended dissertations, **13 completed** seminars of specialized scientific councils, 27 submitted documents to scientific councils, and **25 completed** seminars of departments.

In order to create decent conditions for doctoral students, 4 information resource centers and 5 scientific laboratories operate at the university. Also, separate research rooms have been organized for doctoral students in each department.

### **3. Commercialization of research results, implementation in industry, cooperation with production.**

During 2024, Namangan State University concluded **12 business** contracts with industry and production enterprises, earning a total of **53,350,000 soums** (fifty-three million three hundred fifty thousand):

1) In accordance with the order of the rector of Namangan State University No. 11 B/O dated February 4, 2016, a "**Psychologist Service Center**" was created at the university, which provided services to the local population and law enforcement agencies of the region in the amount of **10,350,000 (ten million three hundred fifty thousand soums)** soums in 2024 on a contractual basis.

2) On March 15, 2024, a contract No. 1 was concluded with Namangan State University and the Namangan Regional Branch of the Sports Association of Hunters and Fishermen of Uzbekistan for a total amount of **10,000,000** (ten million) soums, and these funds were fully transferred to the university's account.

3) On the basis of contract No. 19, signed on October 24, 2024, with Namangan State University and LLC "Yukori Nukta 0775" **20,000,000** (twenty million) soums were received to the university's account.

4) On the basis of the agreement No. 04-09/24 dated September 4, 2024, with Namangan State University and the "Bakhtiyor-Ne'matjon-Shavkatjon" farm, funds in the amount of **4,000,000** (four million) soums were transferred to the university's account.

5) On the basis of economic contract No. 23/12 dated December 23, 2023, concluded between Namangan State University and "INTER TEXNO PROM" LLC, funds in the amount of **9.000.000** (nine million soums) soums were received to the university's account.

6) On September 30, 2024, a contract No. 01/24 **worth 5,000,000 (five million) soums** was concluded between Namangan State University and the non-state educational institution "LSL School," according to which it is planned to transfer this amount to the university's account.

7) On November 1, 2024, an agreement No. 4 was concluded with Namangan State University and the unitary enterprise "Kishlokichimliksov" for **12,650,000** (twelve million six hundred fifty thousand) soums.

8) On March 23, 2023, a contract No. 1101059 was concluded with Namangan State University and LLC UZ CHASYS for a total amount of **3,000,000** (three million) soums, which is planned to be transferred by the customer to the university's account.

9) An economic contract No. 7 dated November 14, 2024, was concluded with Namangan State University and LLC "SSS ASR LOGISTIKA," according to which **1,200,000** (one million two hundred thousand soums) soums are planned to be transferred to the university's account.

10) Agreement No. 1 signed with Namangan State University and TRIGON TECH LLC dated October 14, 2024, stipulates that the necessary funds will be transferred based on market prices.

11) On December 12, 2024, a business contract No. 21/2 worth **24,000,000** (twenty-four million) soums was concluded with Namangan State University and the joint venture "Toshbuloq Teks," which is planned to be transferred to the university's account within one year.

12) On September 20, 2024, an economic agreement No. 12 was concluded between Namangan State University and the "Chindovul Fayz" fish farm, according to which the necessary funds are transferred based on market prices.

### **Commercialization of research results:**

1) the practical project "Development of technology for preparing candied fruits from non-traditional raw materials and vegetables," completed in 2021-2023 and worth 800 million soums, will be commercialized within the framework of this project during 2024, sugar products worth **100 million soums** were produced and sold.

2) In 2021-2023, the practical project "Diagnostics of the status of the HER2 tumor marker in oncological diseases" worth 907.4 million soums was completed, and a patent No. IAP07039 was obtained for the development of the project on July 16, 2022. In March 2023, the "Screening Center for Innovative Diagnosis of Oncological Diseases" of "TUMOR ON TARGET" LLC was launched in the Chust innovation zone of Namangan region. During 2024, an income of 80 million soums was received.

3) In 2022, the innovative enterprise "NamDU INNOVATION-2022" with a project cost of **700 million soums** was created at Namangan State University. All the university's furniture needs have been met, and products worth 457.188 million soums have been produced so far.

4) Within the framework of the applied project **"Technology for creating a composite for stretching steel wire obtained on the basis of import-substituting local raw materials"** worth **773 million soums**, completed in 2022-2023, composite products worth **100 million soums** were delivered to consumers during 2024.

The university also has a language center, an IT park, and professional development and retraining centers. The Language Center and IT Park provide free services to students and children from low-income families in the region.

#### **4. Implementation of the results of scientific and scientific-technical measures.**

Ministry of Higher Education, Science and Innovation in 2024

Based on Order No. 16 of January 18, 2024, 5 international scientific and scientific-technical events were held at Namangan State University. A total of 690 participants took part in the events. The number of foreign participants who participated online and offline was 135. At the republican level, 3 scientific and scientific-technical events were held, in which a total of 550 participants took part. Agreements have been concluded on the practical implementation of the results of scientific and technical measures planned for implementation at all conferences together with partner organizations.

Minister of Higher Education, Science and Innovation in 2024

#### **5. The state of incentives for the scientific and pedagogical activities of professors and teachers.**

The scientific and pedagogical activity of professors and teachers is stimulated on the basis of the Regulation, approved by the Resolution of the Cabinet of Ministers of the Republic of Uzbekistan dated December 24, 2019 No. 1030. Also, professors and teachers who have achieved high results in scientific activities and work with gifted students have been regularly encouraged at the expense of extra-budgetary funds of the university.

#### **6. Status of scientific projects, international grants and investment projects.**

In 2024, 3 international joint projects, 1 commercialization project, and 2 startup projects worth 4 billion 340 million soums were implemented. Two of them are ongoing.

1) Within the framework of international joint projects of Uzbek-Chinese cooperation "Preparation of basic technologies and equipment for low-carbon

processing of medicinal plants growing in China and Uzbekistan" AL-5921122115. **916 million.**

2) study of the functional-technological properties and nutritional, biological value of secondary products of seed processing grown in the republics of Uzbekistan and Belarus. IL-4821091523. **843 million.**

3) The project "Linguocultural ethnolinguistic study of Uzbek and Turkish hertonyms" within the framework of the international joint project of Uzbekistan-Turkey cooperation. FL-7523021174. **890 million.**

4) Production of candies from vegetables and non-traditional raw materials. No. 022/23. **229 million.**

**5) Technology for creating a composite for stretching steel wire obtained on the basis of import-substituting local raw materials. 2023-2024. 773.2 million soums.**

6) Anti-adhesive - establishing the technology for preparing an aqueous suspension of calcium stearate. 68.144 million soums.

**During 2024, 35 new scientific projects were formed for participation in competitions, of which 12 were submitted for competitions.**

## **7. The state of research laboratories and the effectiveness of their use.**

Five scientific laboratories operate at Namangan State University. They are: 1) Laboratory of the "Aquaculture" Innovation Center for Intensive Fish Farming; 2) Laboratory for the technology of preparing candied fruits from non-traditional raw materials and vegetables; 3) Laboratory for the preparation of medicinal preparations based on medicinal plants; 4) "Tumor On Target" diagnostic scientific laboratory; 5) Scientific Laboratory of Algalogy.

In these laboratories, researchers working in basic doctoral studies, doctoral studies, and independent research institutes conduct research work. Of the researchers working in the laboratories, 21 successfully defended their Doctor of Philosophy degree in 2024.