

# COOPERATION

GENERAL TECHNICAL SCIENCES

Department № name (scientific laboratory)	Name of partner research institutes	Results of the current year obtained in cooperation
1. Theoretical and structural mechanics	1. Institute of Mechanics and Seismic Stability of Structures of the Academy of Sciences of the Republic of Uzbekistan.	Theoretical work to assess the stress- strain state of earth dams is conducted in cooperation.
2.	Ministry of Water Resources of the Republic of Uzbekistan. Research Institute of Water Problems	Research to assess the safety of dams built of local materials is conducted in cooperation.
3.	JSC "Uzsuvloykha RUz"	Based on the data provided by JSC "Uzsuvloykha", the issues of priority of underground dams in the country are being jointly studied. In particular, calculation software is used in design processes.
4.	M. Auezov South Kazakhstan State University.	Joint preparation of articles, textbooks and master's dissertations is planned, scientific work is underway.
5.	Department of General Mechanical Engineering of the Chirchik Higher Tank Command and Engineering School of the Ministry of Defense of the Republic of Uzbekistan	Joint preparation of articles and textbooks is planned, research is underway.
6.	Tashkent Institute of Architecture and Civil Engineering.	It is planned to jointly prepare scientific articles, textbooks, and to train doctoral students, doctors of sciences and masters; scientific work is being carried out in this direction.
7.	Navoi State Mining Institute.	It is planned to jointly prepare scientific articles, textbooks, training of doctoral students, doctors of sciences and masters; scientific work is being carried out in this direction.

8.	Bukhara Engineering Technological Institute.	It is planned to jointly prepare scientific articles, textbooks and train doctoral students, doctors of sciences and masters; scientific work is being carried out in this direction.
9.	Shenzhen Technology University (China), Samarkand State Architectural and Civil Engineering Institute (Uzbekistan).	It is planned to jointly prepare scientific articles, textbooks, and to train doctoral students, doctors of sciences and masters; scientific work is being carried out in this direction.

In particular, the staff of the department collected materials on the construction of earth dams and the mechanical characteristics of their materials operating on the territory of the republic. They achieved certain results in increasing the strength of high dams and are constantly working on their application. Joint articles were published and copyright certificates were received.

At the same time, leading scientists of the Academy of Sciences of the Republic, Prof. K.S. Sultanov, R. Khusainov and F. Adilov; First Deputy Head of the Scientific and Educational Monumental Complex named after the First President of the Republic of Uzbekistan Islam Karimov under the President of the Republic of Uzbekistan, Doctor of Economics, Associate Professor A. Ishmatov; A. Buriev, Associate Professor of the Tashkent Institute of Architecture and Civil Engineering and others work on a part-time basis at the department and give students high-quality knowledge.

## 2. Cooperation in the learning process:

	Partners' name	Main workplace	Disciplines taught
1.	K.S. Sultanov	Director of the Institute of Mechanics and Seismic Stability of Structures of the Academy of Sciences of the Republic of Uzbekistan	Theoretical mechanics, strength of materials
2.	A. Buriev	Tashkent Institute of Architecture and Civil Engineering	Theoretical mechanics
3.	R. Khusainov	Junior Researcher, Institute of Mechanics and Seismic Stability of Structures of the Academy of Sciences of the Republic of Uzbekistan	Theoretical mechanics, mechanics of connecting media, mathematical modeling
4.	F. Adilov	Junior Researcher, Institute of Mechanics and Seismic Stability of Structures of the Academy of Sciences of the Republic of Uzbekistan	Theoretical mechanics