

From October 22 to October 24, 2025. S.I. Idrisov, Chairman of the Board and Rector of the Dosmukhamedov Atyrau University, and G. Zhumatov, Head of the Kaspiy Laboratory, took part in the VIII International Fishing Industry Event and Exhibition of the Fishing Industry, Seafood and Technologies (Global Fisheries Forum & Seafood Expo Russia 2025), which was held in St. Petersburg. The purpose of the trip is to participate in the forum, which will improve the level of professional competence, get acquainted with new technologies and trends in industries, as well as speak at a round table on the topic: "Modern practices of using artificial intelligence for research in universities".







From November 10 to November 12, 2025. Sagyndykova S.Z., Popov N.N., Zhumatova G.G. visited Astrakhan State Technical University and Fish Feed JSC as part of the implementation of the project PCF BR 28713197 Caspian Center for Sustainable Innovation: scientific and academic promotion of alternative solutions for the transition of the region to a more environmentally friendly future. The purpose of the trip is to get acquainted with modern technologies and innovative solutions in the field of sustainable production of feed for aquaculture, exchange experiences and discuss possible areas of cooperation in the field of scientific research and educational programs. From November 10 to November 12, 2025. Sagyndykova S.Z., Popov N.N., Zhumatova G.G. visited Astrakhan State Technical University and Fish Feed JSC as part of the implementation of the project PCF BR 28713197 Caspian Center for Sustainable Innovation: scientific and academic promotion of alternative solutions for the transition of the region to a more environmentally friendly future. The purpose of the trip is to get acquainted with modern technologies and innovative solutions in the field of sustainable production of feed for aquaculture, exchange experiences and discuss possible areas of cooperation in the field of scientific research and educational programs.









From December 26 to December 29, 2025, G.G. Zhumatova and N.T. Zamzamova were on a business trip to Baku (Azerbaijan). The purpose of the trip was to discuss and coordinate the tasks of the calendar plan of the project for 2026, coordinate research work within the framework of the project, receive expert advice on the implementation of sustainable and innovative solutions, as well as the development and strengthening of international scientific and academic cooperation.

Host / external consultant: Ghanbarov Khudaverdi Ghanbar oglu - Doctor of Biological Sciences, Head of the Scientific Research Laboratory "Microbiology and Virology" of Baku State University.

The business trip was carried out within the framework of an approved project and corresponds to its goals, objectives and expected results.







On March 24, a significant international trip of a delegation from Atyrau University named after Khalel Dosmukhamedov to St. Petersburg State University of Aerospace Instrumentation took place, which became an important step in the development of scientific and educational cooperation between Kazakhstan and Russia.

The delegation included Gulshat Zhumatova, Head of the Laboratory for Integrated Research and Monitoring of the Caspian Environment, and Professor Gulbarshin Shambilova, Head of the Center for Academic Excellence Project Office. The main purpose of the visit was to strengthen partnerships, share experiences and discuss prospects for joint projects.

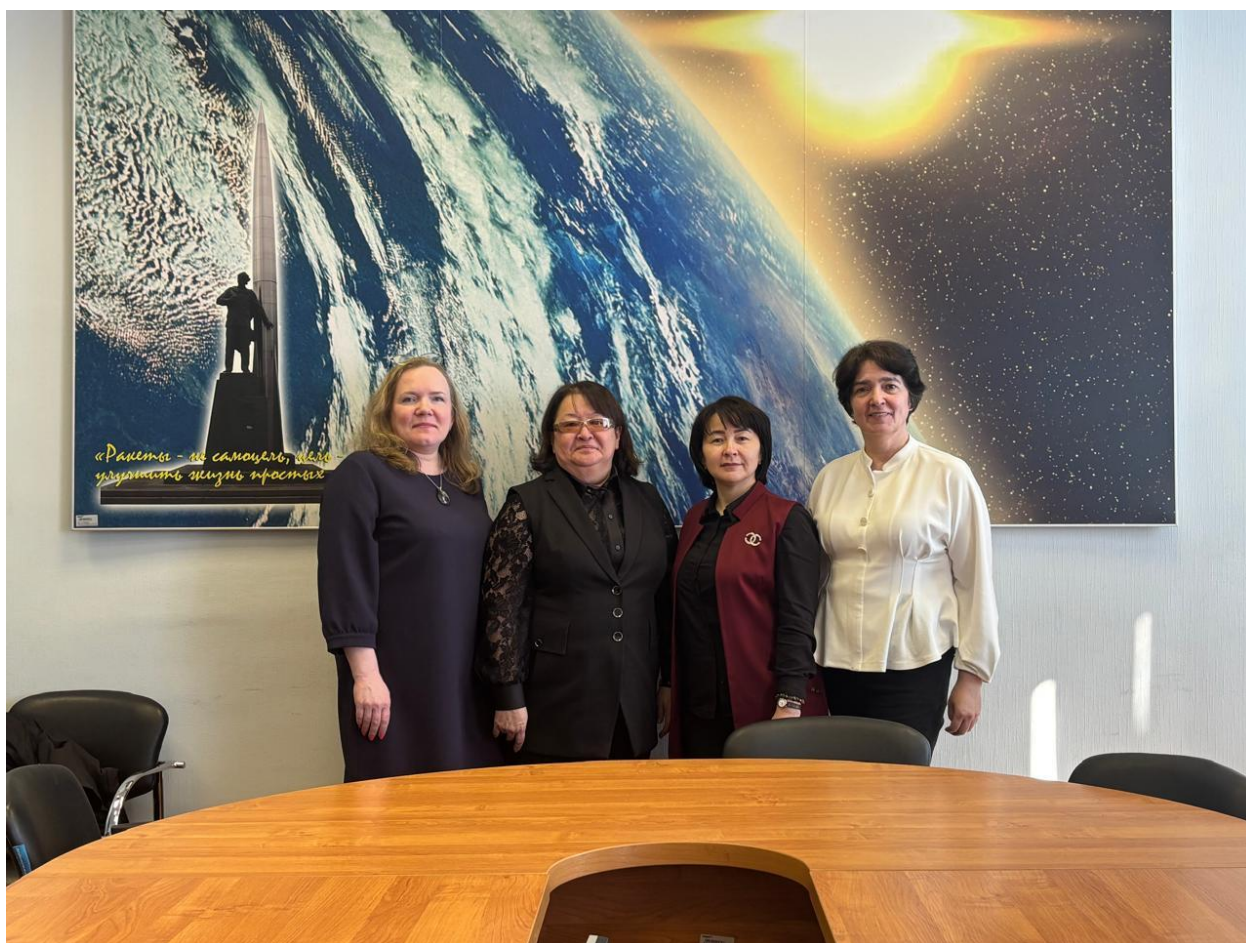
During the meeting, GUAP representatives expressed their willingness to cooperate in key areas, from engineering and aerospace technologies to modern research in the field of artificial intelligence. Special attention was paid to the development of international cooperation, which promotes the integration of science and education.

The parties noted the symbolism of the meeting: both universities are celebrating their 85th anniversary this year, confirming their high status and significant contribution to the development of science and technology.

GUAP representatives presented opportunities to participate in acceleration programs, startup studios, and international educational initiatives. The delegation from Kazakhstan also got acquainted with the scientific infrastructure of the university, including laboratories for environmental and technosphere safety, as well as innovative space technology centers.

The visit resulted in the signing of a memorandum of understanding, which consolidated the parties' intentions to develop long-term and mutually beneficial cooperation in the field of higher education, science and innovation.

The trip took place in a constructive and friendly atmosphere, opening up new prospects for joint research, academic exchanges and the implementation of international projects.







ГУАП



**ГОСУДАРСТВЕННЫЙ
УНИВЕРСИТЕТ
АЭРОКОСМИЧЕСКОГО
ПРИБОРОСТРОЕНИЯ**



April 15, 2026 in the framework of the 5 program "Caspian Center for sustainable innovation: scientific and academic promotion of alternative decisions for the transition to a more ecological sustainable future" was held a scientific and practical seminar on the theme "Innovation in the region and the Caspian Sea is the largest Caspian Sea in the world.

In the work of the seminar took part professors, young scientists, undergraduates and specialists of production. The participants discussed issues of recovery of bionics in the Caspian region, effective management of reserves of Ossetian, improvement of aquaculture technology and introduction of scientific research results in production.

During the event, the following directions were presented:

- ◆ experience of the development of Ossetian economy;
- ◆ it technologies of temporary water supply (UZ);
- ◆ modern methods of feeding young people;
- ◆ economical and biotechnological identification of oligochet;
- ◆ opportunities for digitalization in aquaculture.

As a result of the seminar, specific recommendations were adopted on the preservation of the genetic background of sturgeon species of the Caspian basin, strengthening scientific research in the field of artificial development, widespread introduction of ultrasonic technologies into production, as well as the introduction of innovative biotechnological solutions in practice.

This seminar, aimed at strengthening the ties between science and production, is an important part of the way to save Bioresources of the Caspian region and sustainable development of the region.

This seminar, aimed at strengthening the relationship between science and production, was an important step towards preserving the Bioresources of the Caspian region and sustainable development of Fisheries.

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<https://www.instagram.com/reel/DZbp8unIGUf/?igsh=MXd0ajNiaTUwbng0eA==>







Sowing field work within the framework of direction 5 of the program "Caspian Center for Sustainable Innovations: scientific and academic promotion of alternative solutions for the transition of the region to a more environmentally sustainable future" is carried out at the experimental site located in Atyrau, Atyrau Scientific and Experimental site of Atyrau University named after H.Dosmukhamedov. research work on the parameters of the germination energy of *Linum usitatissimum* and *Cannabis sativa* seeds.







From May 11 to May 18, 2026, project manager G.K. Shambilova, Head of the Laboratory of Integrated Research and Monitoring "Kaspiy" G.G. Zhumatova, Head of the Department of Chemistry and Chemical Technologies J.K. Kadasheva, as well as head of the 1st direction A.S. Kalauova participated in the XIII International Conference and Exhibition "Gas Turbine Focus 2026 (GTF)", held in Shanghai (China), within the framework of the BR 28713197 project "Caspian Center for Sustainable Innovation: scientific and academic promotion of alternative solutions for the region's transition to a greener future" (2025-2027).

The purpose of the trip was to get acquainted with modern scientific achievements and innovative developments in the field of new technologies, exchange international experience, improve professional skills, as well as develop international cooperation in the field of scientific research and education.





On June 11, 2026, experimental studies were conducted on the sturgeon farm of Caspian Royal Fish LLP within the framework of direction 5 of the program "Caspian Center for Sustainable Innovation: scientific and academic promotion of alternative solutions for the region's transition to a more environmentally sustainable future." The 1st year students of the educational program 6B08401 – "Fisheries and ichthyology" also took part in the research.

During the next stage of research, juvenile sturgeon fish in the control and experimental groups were fed natural food prepared using the technology of pre-enrichment with beneficial microorganisms.

The preparation of feed for juveniles and the conduct of research were led by the project manager, Doctor of Biological Sciences, Professor Sagyndykova S.Z., as well as the project executor, PhD Nurgalieva A.K. In addition, a member of the project, Candidate of Biological Sciences Popov N.N., and senior researcher of the project Zhumatova G.G. actively participated in the research.

These studies are aimed at studying the nutritional characteristics of juvenile sturgeon fish during rearing, their growth rates, weight gain, indicators of biological development, formation of internal microflora, as well as the degree of saturation of the body with probiotics.



ТАУАРЛЫ БЕКІРЕ ФЕРМАСЫ





