



AL-FARABI KAZAKH  
NATIONAL UNIVERSITY

# AL-FARABI NEWS LETTERS

## “SCIENCE & EDUCATION & INNOVATION”

March, 2022



### KAZNU WILL CONTINUE TO LEAD THE GLOBAL HUB OF THE UN "ACADEMIC IMPACT" PROGRAM

Al-Farabi KazNU will continue to lead the Global Hub of the United Nations “Academic Impact” Program (UNAI) for Sustainable Development. This was announced by the Head of the Department of Partnerships and Global Interactions of the "Academic Impact" program of the UN Robert Skinner.

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### AMERICAN CRIMINOLOGIST TEACHING PHD STUDENTS AT KAZNU

For thirty years of Independence, Al-Farabi Kazakh National University has become a flagship among Kazakhstani higher educational institutions. KazNU scientists have enriched domestic science with new, truly fundamental research.

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### MICROALGAE WILL CHANGE THE WORLD INDUSTRY

In the future, the production of microalgae in the world will grow steadily every year. This is the forecast of Future Market Insights. This is due to the growing demand among consumers for organic, nutritious foods and biologically active additives (BAS).

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### QUAT POINT CHARGING STATION

The QUAT POINT charging station is a device for charging electric vehicles. The technology for the production of charging stations was developed in 2015. Since 2017, more than 50 QUAT POINT stations have been installed in Kazakhstan. To date, a patent for a charging station is supported.

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### MASTER STUDENTS OF THE KAZNU ARE INTERNSHIP AT HIGHER EDUCATION INSTITUTIONS OF TURKEY

Within the framework of cooperation and implementation of joint educational projects, undergraduates of KazNU named after Al-Farabi undergo research practice at universities in Turkey.

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### JOINT WORK WITH SCIENTIFIC RESEARCH INSTITUTIONS WILL STRENGTHEN

Chairman of the Board - Rector of Al-Farabi Kazakh National University Zhanseit Tuymbayev held a meeting with directors of research institutes as part of a project on the integration of education and science.

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## "GREEN" INITIATIVES OF KAZNU

Environmental pollution, loss of biodiversity, irrational use of natural resources are those acute and urgent problems that are on the agenda of all countries of the world, and Kazakhstan is no exception. The national project "Zhasyl Kazakhstan" is aimed at creating a favorable living environment for the inhabitants of the country and improving the environmental situation.

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## NANOTECHNOLOGY BASED LAMP

Scientists of KazNU named after Al-Farabi have developed a unique technology for increasing the intensity of the glow of gas-discharge lamps based on nanotechnology, which has a low cost and high quality. Moreover, the intensity of the glow of the developed lamp is one and a half times greater than that of similar fluorescent lamps with equal power consumption, which was confirmed during laboratory tests.

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## FULLERENES ARE A WONDERFUL MOLECULE

Scientists of the Faculty of Physics and Technology of Al-Farabi Kazakh National University are implementing the project "Organization of production of a wide range of carbon nanostructured materials." Nanomaterials are a new topic today. Due to its wide range of applications, it is dominated by both interest and demand in the world. And what are the goals of our scientists through the implementation of this project? What is the effectiveness of this project? Today, with the participation of the project manager Daniyar Ismailov, we would like to introduce readers to this research work.

[Read more](#)



## COOPERATION WITH THE CIS PARLIAMENTARY ASSEMBLY

A cooperation agreement was signed between the Secretariat of the Council of the Inter-Parliamentary Assembly of States - Members of the Commonwealth of Independent States and Al-Farabi Kazakh National University.

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## FROM SCIENCE TO PRODUCTION!

In his Address to the people of Kazakhstan on September 1, 2021, the Head of State Kassym-Jomart Kemelevich Tokayev called the most important task - the full disclosure of the country's industrial potential.

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## NANOTECHNOLOGY - THE BEGINNING OF A NEW WORLD

Al-Farabi Kazakh National University is a classical multidisciplinary university that combines education, science, and innovation. Today the university is a leader in the number of scientific projects and scientific publications in our country. Every fifth Kazakhstani publication in the rated editions is prepared in KazNU. Five scientific journals are included in international databases.

[Read more](#)



### **THE HIGHEST STATUS OF A JOURNALIST IS HIS INDEPENDENCE**

At the Kazakh National University named after Al-Farabi, the President of the International Turkic Academy, Chairman of the Board of JSC “Republican newspaper “Egemen Qazaqstan”, Academician of the National Academy of Sciences of the Republic of Kazakhstan Darkhan Kydyrali delivered a leadership lecture. During the meeting, he shared his knowledge and experience in the field of journalism.

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### **THE SYSTEM ADAPTED TO NEW CONDITIONS**

The global pandemic has made some adjustments to our way of life. This has created a need for videoconferencing services for all sectors of the economy. According to statistics, daily videoconferencing traffic in 2020 has grown by 535 percent. Nowadays, videoconferencing has become not just a novelty in the field of IT, but an important business tool. In this regard, KazNU IT specialists developed Jinalys Room web application based on Al-Farabi open-source data.

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### **DISCUSSED PRIORITIES FOR THE DEVELOPMENT OF SCIENCE**

The Academic Council discussed the results of research and innovation activities of KazNU over the past year, as well as the implementation of measures to ensure the intellectual, spiritual, moral and physical development of university students.

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### **DISCUSSED A NEW CONCEPT OF ANTI-CORRUPTION POLICY**

Al-Farabi KazNU hosted a seminar organized by the anti-corruption compliance service. The participants discussed a new concept of the anti-corruption policy of the Republic of Kazakhstan for 2022-2026.

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### **PINE AND SPRING WASTE WILL BE USED**

Today, the Faculty of Chemistry and Chemical Technology of Al-Farabi Kazakh National University is implementing several projects that stand out among the world's innovative technologies. When you see the activity and enthusiasm of young scientists working on these projects, you need a glass, you feel warm. You believe in the future of Kazakhstan's science. Sometimes you think that if such research was conducted abroad, investors who noticed its value, efficiency and benefits would invest in it and try to commercialize it in the market.