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CONGRATULATIONS OF THE HEAD OF STATE KASSYM-JOMART TOKAYEV ON THE 90TH ANNIVERSARY OF AL-FARABI KAZAKH NATIONAL UNIVERSITY



Dear Zhanseit Kanseituly!

Dear guests!

Congratulations on the 90th Anniversary of Al-Farabi Kazakh National University!

This is a significant date in the field of education and science. Kazakh National University is one of the first higher education institutions in the country. For almost a century, KazNU's alma mater has become a center of fundamental knowledge and a forge of qualified personnel, forming unique traditions.

Prominent personalities of our people, famous academicians, gave lectures here. Thousands of university graduates have served for the benefit of the country and contributed to the development of Kazakhstan. There are many prominent government and public figures, scientists, artists, writers and journalists among them. The path of the older generation is being honorably continued by our modern youth.

Today, the university celebrates its anniversary with great achievements.

A vivid confirmation of this is KazNU's leadership in prestigious international rankings among universities in the Central Asian region.

I would like to express my sincere gratitude to the university staff, who introduce students to science and knowledge, instilling in them the qualities of an honest citizen. I hope you will continue to fulfill this noble mission with dignity.

Wishing everyone good health and prosperity!
President of the Republic of Kazakhstan
Kassym-Jomart Tokayev

KAZNU'S 90TH ANNIVERSARY WAS CELEBRATED AT A HIGH LEVEL

A solemn meeting dedicated to the 90th anniversary of the Al-Farabi Kazakh National University was held at the Kazakh National Opera and Ballet Theater named after Abai.

The event was attended by State Counsellor of the Republic of Kazakhstan Erlan Karin, Minister of Science and Higher Education of the Republic of Kazakhstan Sayasat Nurbek, mayor of Almaty Erbolat Dosayev, Chairman of the Board-Rector of Al-Farabi Kazakh National University Zhanseit Tuimebayev, foreign guests, university rectors, government and public figures, faculty and students.



An exhibition of innovative projects dedicated to the 90th anniversary of the University was organized as part of the solemn meeting. Information about the scientific potential and international relations of KazNU was presented to the visitors. The exhibition showed the results of innovative projects conducted by researchers in petrochemistry, IT, medicine, artificial intelligence, biology, physics, space technology, geography.

After the exhibition, the event continued with a solemn meeting. The guests were shown the historical documentary "Farabi-90".

At the solemn meeting, Chairman of the Board-Rector of KazNU Zhanseit Tuimebayev focused on the results and achievements of the university's research and innovation activities.

"Today is of great historical significance not only for the university, but for the whole country. Head of State Kassym-Jomart Tokayev noted: "Now is the time for science and education. If we want our Homeland to prosper, we must first develop these two industries".

The university staff is working tirelessly towards this task set by the Head of State. At the moment, the university successfully employs 3,265 teachers and professors. The university holds a leading position in terms of the number of scientific articles published in highly rated journals. Every sixth article (17.4%) published in Scopus in 2024 belongs to KazNU scientists. Of the 150 people who received the title of "Best educator" in the republic in 2024, 24% are representatives of KazNU.

Today, in accordance with the instructions of the President, we have started the implementation of the second stage of construction of the KazNU campus. This is an important project aimed at improving the situation of our teachers and students. The university staff always focuses on the President's words in their work: "We need to be among the countries that start the trend, not follow it", - said the Rector.

At the anniversary event, Erlan Karin read out a congratulatory letter from President of the Republic of Kazakhstan Kassym-Jomart Tokayev.

In his speech, Erlan Karin noted that for 90 years, the University, being a center of higher education and science, has been systematically working to train qualified personnel in various fields. The State Counsellor highly appreciated the work of the university's scholars in advancing domestic science.

"Al-Farabi Kazakh National University is under the constant attention of the Head of State. In recent years, significant efforts have been made to develop the university's activities. Two years ago, the university was granted the status of a 'research university.' This is a major achievement and a high indicator. Following the President's instructions, the second stage of the development of the KazNU campus began. New dormitories, academic buildings, and an innovation center will be built. The campus, which the public calls 'KazNUgrad,' is of great importance to the country. It can be considered 'a brand of Almaty, a symbol of an entire era'", - said Erlan Karin.

In conclusion of his speech, Erlan Tynymbayevich awarded university staff with state decorations and handed over the keys to apartments to young scientists.



NEW RESEARCH CENTERS AND LABORATORIES AT THE UNIVERSITY



Al-Farabi Kazakh National University has achieved significant success in its 90th anniversary. New research centers and laboratories of various fields were opened on the basis of the educational institution. Innovative projects are being implemented jointly with foreign universities.

Al-Farabi Kazakh National University is the first university in Central Asia to launch its own nanosatellites of the "Al-Farabi" series, has begun the creation of a new satellite, NKSat, in partnership with Northwestern Polytechnical University of China, as part of the university's 90th anniversary celebrations.

One of the key developments by KazNU scientists is gravimetric equipment designed to measure heterogeneities in the Earth's crust. It includes a ground station and a transmitter mounted on the satellite, which will enable the creation of a detailed gravimetric map of Kazakhstan. This will accelerate research in the fields of geology and mineral resource extraction.

The second innovative solution is an IoT gateway for monitoring devices throughout the country. These developments will strengthen Kazakhstan's position in the field of space technology and science, contributing to global research and technological development.

This year, the Chinese-Kazakh Joint Laboratory for Remote Sensing Technologies was established at KazNU.

The Center for Sustainable Development and Rational Use of Natural Resources was also opened within the framework of the megagrant.

The Center is engaged in environmental monitoring of the West Kazakhstan region using remote sensing data. Emergency situations are analyzed here, and more than 60 climate maps are being developed.

The center is working on early warning systems for droughts and floods, which is particularly important for the sustainable development of regions. It is also developing recommendations for decarbonization and sustainable natural resource management, making a significant contribution to the preservation of Kazakhstan's ecology.

In May 2024, the first Kazakh-French scientific laboratory, the Archaeozoological Center for Central Asian Studies – ZooSTAn, was opened at KazNU.

This collaboration with CNRS, France's leading scientific institution, brings together scientists from Kazakhstan, France, and the USA. The center consists of 11 researchers. It studies the evolution of humans and animals over the past million years, determining the role of animals in the technological and symbolic development of human society, as well as human settlement in extreme conditions. Within 3.5 months of operation, ZooSTAn conducted international expeditions and secured funding for major European projects. In 2025, the center plans to hold an international archaeological school in France.

An innovation center has opened at KazNU, created in partnership with the Chinese technology corporation ZTE, one of the largest companies in the world. The center offers training and certification in key areas: ZTE management and expertise, RAN decision-making fundamentals, marketing, process technology, and Datacom trends.

The students at the center work with advanced equipment, including ultra-high-speed platforms, ultra-wideband antennas, and segment routers. This equipment is used to create 4G and 5G networks, ensuring high performance, low latency, and reliable data transmission. Upon completing the courses, graduates receive internationally recognized certificates.

Recently, the International Hotel Management Center was established at KazNU. This center was created in partnership with the Hong Kong Polytechnic University (PolyU). The center is expected to become an important platform for conducting interdisciplinary research under the "Belt and Road" initiative.

It will also foster international dialogue and cooperation by organizing high-impact forums. The center is set to become a leading analytical hub in Kazakhstan for global innovations and sustainable development. The center's priority research areas include social work and development, sustainable and community-based tourism, digital transformation of tourism, tourism education, and much more.

Press-service of Al-Farabi Kazakh National University

КАФЕДРА ЮНЕСКО ПО УСТОЙЧИВОМУ РАЗВИТИЮ КАЗНУ ИМ. АЛЬ-ФАРАБИ ПРОВЕЛА ОНЛАЙН- СЕССИЮ «УСТОЙЧИВОЕ ЗАВТРА: ПУТЬ К НОВЫМ ГОРИЗОНТАМ»



29 ноября 2024 года Кафедра ЮНЕСКО по устойчивому развитию Казахского национального университета имени аль-Фараби организовала онлайн-сессию на тему «Устойчивое завтра: Путь к новым горизонтам». Инициатором данной сессии выступила Международная социально-экономическая глобальная премия «Золотая Колесница».

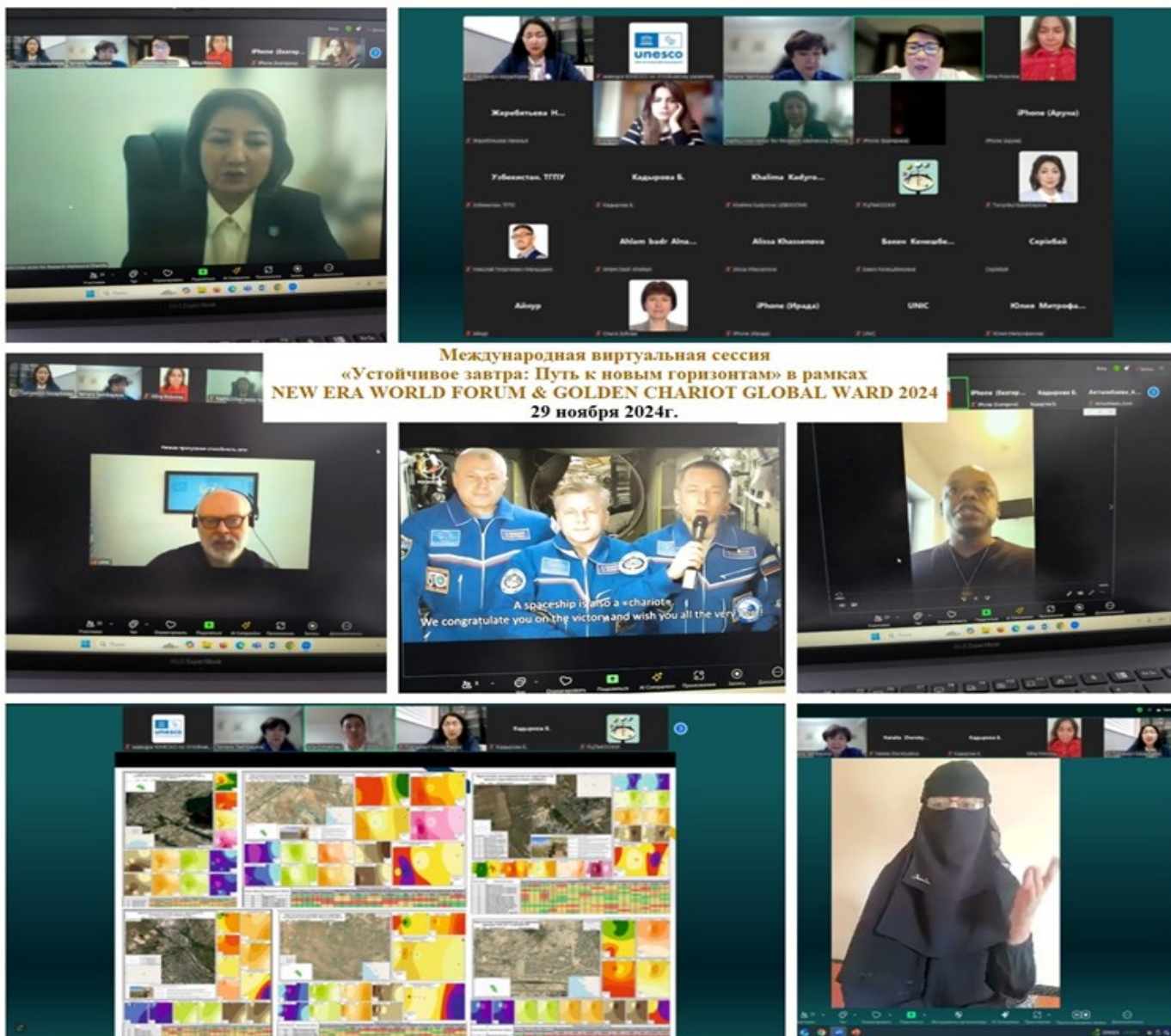
Мероприятие прошло в рамках Всемирного форума «New Era & Golden Chariot global award 2024», который состоялся в Индии с 30 ноября по 5 декабря.

Конференция собрала ведущих ученых, представителей экологических движений и экспертов в области устойчивого развития из стран СНГ, Европы и арабских государств. Рабочими языками мероприятия были английский, русский, казахский, арабский и французский.

С приветственными словами выступили: Жамиля Нурматовна Айтжанова, член правления и проректор по научной инновационной деятельности КазНУ им. аль-Фараби; Властимил Самек, представитель департамента глобальных коммуникаций ООН в Алматы; Тегина Екатерина Владиславовна, советник по коммуникациям Российского представительства Программы ООН по окружающей среде (ЮНЕП) и другие представители руководства учебных организаций. Также участники сессии имели возможность увидеть видеобращение от Obrillant Datus, доцента Университета Шербрук, Канада.

В ходе сессии были заслушаны и обсуждены доклады ученых из различных организаций и университетов, таких как:

- Республиканский центр карантинных и особо опасных инфекций Министерства здравоохранения Республики Кыргызстан;
- Казахский национальный университет имени Ж. Баласагына;
- Тюменский государственный университет, Россия;
- Бакинский государственный университет, Азербайджан;



- Агентство охраны окружающей среды ,Environment Protect Authority, Йемен;

- Казахский национальный университет имени аль-Фараби.

К сессии также подключились другие участники из разных организаций, чьи статьи войдут в итоговый сборник конференции.

Данное мероприятие стало уникальной площадкой для обсуждения актуальных вопросов устойчивого развития, обмена международным опытом и разработки новых подходов к решению глобальных экологических и социально-экономических вызовов.

К.К. Хамитова - Заместитель заведующего кафедрой ЮНЕСКО по устойчивому развитию

Implementation of the project ERASMUS-EDU-2023-CBHE "Land Management, Environment & SoLIId-WastE: inside education and business in Central Asia" (LESLIE)

On November 21-22, 2024, the Al-Farabi Kazakh National University hosted a seminar organized by Departments of UNESCO Chair for Sustainable Development and Thermophysics and Technical Physics, which brought together experts, teachers and students to discuss ways to introduce microqualifications in the field of land management in Central Asia.



The seminar was attended by Coordinator of the National Office of Erasmus in Kazakhstan Paluanova L.K.; Professor Javier Rodrigo Ilarri (Polytechnic University of Valencia); First Vice-rector of Astana IT University, Doctor of Economics, Professor Omirbaev S.M.; PhD, Associate Professor of Kokshetau University named after Shokan Ualikhanov Nurmukhanbetova N.N.; ecotreneur, eco-activist, founder of Darmark Almaty, member of the Recycle team BIRGE Akimbekova K.; PhD, Professor Nurdillayeva R.N., Dean of the Faculty of Natural Sciences (Khoja Ahmed Yasawi International Kazakh-Turkish University); Master of Natural Sciences in the specialty "Ecology", practitioner-ecologist Kadyrbaeva A.

The event became a platform for the exchange of experience, discussion of new approaches to the development and implementation of microqualifications in educational programs. In addition, a meeting on the project took place at Ferghana Polytechnic University in Uzbekistan from December 12-14. This event was attended by 14 partners from three European Union countries (Spain, Italy, and Cyprus) and two Central Asian countries (Kazakhstan and Uzbekistan).

During the meeting, presentations were made on the progress of work packages, topics and directions for the development of online courses were identified, forms and content for microqualifications at each university were discussed in accordance with work packages, and prospects for cooperation with partner universities were explored.

The decisions taken will help universities in Central Asia to train specialists who are able to solve the problems of environmental protection and sustainable development and be in demand on the labor market in 2030.

Associate Professors Minzhanova G.M. and Shortanbayeva Zh.K.

MASTER CLASS ON THE IMPORTANCE OF THE SIEVERS APPLE TREE FOR CENTRAL ASIA



On December 25, 2024, a master class on "The importance of the Sievers Apple tree for Central Asia" was held at the Ayusai Visitor Center (Almaty). The event brought together experts, students and anyone interested in ecology and sustainable development.

The master class was organized by the Faculty of Geography and Environmental Sci-

ences of the Al-Farabi Kazakh National University, the Jerdin Dostary public association and the Ile-Alatau State National Nature Park as part of the ALMA-KiKa project supported by the German Federal Environment Fund.

The event was aimed at supporting Sustainable Development Goal (SDG) No. 15 "Conservation of terrestrial ecosystems", focusing on the preservation of the unique biodiversity of Central Asia. The master class program included:

Presentation of research on the historical and ecological significance of the Sievers apple tree and its role in preserving the geosystems of Central Asia (speaker: Tanabekova G.B., PhD); A practical part with a demonstration of the stages of designing a new ecological route and the involvement of local communities and volunteers (speaker, Head of the Department of Recreational Geography and Tourism, R.M. Bayburiev); A presentation of educational programs in the field of 087 Environmental protection technology (speaker, Head of the UNESCO Department of Sustainable Development, T.A. Bazarbayeva)

One of the moderators of the master class was an expert of the Public Chamber under the Mazhilis of the Parliament of the Republic of Kazakhstan, Skakova Aizhan Amangeldievna.

Results of the event: The participants not only learned about the importance of the Sievers apple tree as a unique natural site, but also proposed initiatives to preserve biodiversity. The event was an important step in promoting sustainable development and preserving the unique nature of Central Asia.

T.A. Bazarbayeva - Head of the UNESCO Chair for Sustainable Development

ҚАЗҰУ СТУДЕНТТЕРІ Ө.О.ОСПАНОВ АТЫНДАҒЫ ҚАЗАҚ ТОПЫРАҚТАНУ ЖӘНЕ АГРОХИМИЯ ҒЫЛЫМИ-ЗЕРТТЕУ ИНСТИТУТЫНДА БОЛДЫ



Бүгін әл-Фараби атындағы Қазақ ұлттық университетінің география және табиғатты пайдалану факультетінің Тұрақты даму бойынша кафедрасының «Экология» мамандығының 2 курс студенттері Ө.О.Оспанов атындағы Қазақ топырақтану және агрохимия ғылыми-зерттеу институтына экскурсия

жасады. Бұл сапар студенттерге еліміздің топырақ және агрохимия саласындағы ғылыми жетістіктерімен танысуға, тәжірибелік білімдерін арттыруға үлкен мүмкіндік берді. Экскурсия тұрақты даму бойынша кафедрасының доценті Шимшиков Б.Е. және профессор м.а. Мұқанова Г.А. бастамасымен өтті.

Экскурсия барысында студенттер институттың зертханаларымен танысып, заманауи зерттеу әдістері мен құрал-жабдықтардың қалай қолданылатынын өз көздерімен көрді. Ғалымдар студенттерге топырақтың құнарлылығын зерттеу, ауыл шаруашылығы өнімдерінің сапасын арттыру, қоршаған ортаны қорғау мәселелері бойынша қызықты мәліметтер ұсынды.

Сапар соңында институт мамандары студенттермен сұхбаттасып, олардың сұрақтарына жауап берді және агрохимия саласындағы заманауи трендтер туралы ақпаратпен бөлісті. Студенттер бұл тәжірибелік экскурсияның өз болашақ кәсіби жолдарын таңдауда маңызды рөл атқаратынын атап өтті.

Ө.О.Оспанов атындағы институтпен тығыз байланыс орнату – ҚазҰУ-дың ғылыми-практикалық білім берудегі басты бағыттарының бірі болып табылады. Мұндай іс-шаралар жастарды ғылымға қызықтыру және олардың біліктілігін арттыру мақсатында ұйымдастырылады.

Тұрақты даму бойынша кафедрасының доценті Шимшиков Б.Е. және профессор м.а. Мұқанова Г.А.

PRACTICE-ORIENTED TRAINING WITHIN THE FRAMEWORK OF THE EDUCATIONAL PROGRAM 6B11201 “LIFE SAFETY AND ENVIRONMENTAL PROTECTION”



Studying under the Educational program “Life Safety and Environmental Protection” at Al-Farabi Kazakh National University requires practical training of students for the industry.

Practice-oriented training includes: theoretical part - lectures, seminars, classes to consolidate knowledge, joint classes with invited specialists. Applied part - practical and laboratory work, role-playing

games, educational practice and industrial internship, etc.

Thus, in teaching the discipline “Fundamentals of Rescue Business and Disaster Medicine,” the practical part was carried out in the form of games, using various dummies, instruments, and providing pre-medical care to victims.

Classes in the shelter. When various forms of emergency situations (ES) occur, one of the basic principles of protecting the population is their shelter in shelters. In order to have a clear understanding of the structure of shelters and the procedure for sheltering people in them, during practical classes, students visited a shelter located at the university and learned how to properly organize shelter for people during an emergency.

Visit to the Emergency Department. Students visited a room simulating an earthquake. They learned methods of sheltering in safe places in buildings and providing assistance to victims. We got acquainted with modern means of protection used in emergencies.

Conducting classes at a wastewater treatment station. Students in the discipline “Environmental Protection and Human Health” visit an aeration station, where they become familiar with mechanical and biological methods of wastewater treatment, the structure and operating mechanism of aeration tanks and settling tanks.

Visiting dams while studying the topic “Protection from Natural Disasters”. Dams protect the population from natural disasters, mudflows, and avalanches. Students become familiar with the structure, mechanism of snow and mudflow retention, regulation of water volume, and planned cleaning of dams.

Practice-oriented training is one of the effective tools for developing professional competencies and personal activity of students.

Bergeneva N.S., Associate Professor of the UNESCO Chair for Sustainable Development

"БІЛІМ БЕРУ ЖӘНЕ ҒЫЛЫМ САЛАСЫНДАҒЫ ӘЙЕЛ ПЕДАГОГТАРДЫҢ РӨЛІ"

Дөңгелек үстелдің мақсаты - әйел-ұстаздардың білім және ғылымды дамытудағы, сондай-ақ болашақ ұрпақтардың қалыптасуындағы маңызды рөлін талқылауға арналды. Іс-шараның міндеті студенттердің кәсіби ортада гендерлік теңдік мәселелеріне қызығушылығын арттыру және білім беру мен ғылыми мекемелердегі әйелдердің кәсіби өсуін қолдауды мақсат етіп қойды.

2024 жылғы 11 қазанда «Білім беру және ғылым саласындағы әйел педагогтардың рөлі» тақырыбында тәрбие сағаты өтті. Оған «Қоршаған ортаны қорғау және өмір тіршілігінің қауіпсіздігі» (ҚОҚ және ӨҚ) білім беру бағдарламасының 4-курс студенттері қатысты. Іс-шараны 1-курс магистранттары Айсанова Асылжан, Жұмабек Айжан ұйымдастырды (көктемгі топ), олар педагогикалық практика аясында доцент А.К. Қожаханның жетекшілігімен өткізді.

Дөңгелек үстел барысында Қазақстандағы әйелдердің білім және ғылым жүйесін дамытудағы маңызды әрі көп қырлы рөлі талқыланды. Қатысушылар әйел-ұстаздардың еліміздің интеллектуалдық әлеуетін қалыптастырудағы, жас ұрпақты тәрбиелеудегі және ғылыми саладағы жетістіктердегі үлесін атап өтті. Гендерлік теңдік мәселелері мен білім беру ұйымдары мен ғылыми ұйымдарда әйелдердің кәсіби өсуіне қолайлы жағдайлар жасауға ерекше назар аударылды.

Бұл іс-шара педагогикалық қызметтегі әйелдердің рөліне, сондай-ақ олардың қоғамды дамытуға қосып жатқан үлесін түсінуге деген студенттердің қызығушылығын арттыруға ықпал етті.



*Тұрақты даму бойынша ЮНЕСКО кафедрасы
доцент А.К. Қожахан*

В КАЗНУ ПРОШЛА АКЦИЯ «ПОДАРИ БУМАГЕ ВТОРУЮ ЖИЗНЬ»



В КазНУ имени аль-Фараби прошла масштабная экологическая акция «Подари бумаге вторую жизнь», организованная в рамках реализации ЦУР №12 «Ответственное потребление и производство».

Организаторами сбора макулатуры выступили студенты 3-4 курсов образовательной программы «Экология» под руководством кураторов, старших преподавателей кафедры ЮНЕСКО по устойчивому развитию факультета географии и природопользования Айнура Таныбаевой и Айгерим Керимкуловой. Успешная организация и проведение сбора макулатуры, позволила вовлечь в акцию подразделения университета, студенческий центр «Керемет», а также факультеты – географии и природопользования, биологии и биотехнологии, физико-технический,

химико-технологический, механико-математический и др.

Акция собрала большое количество участников, которые активно поддержали инициативу по потреблению и производству экопродуктов. Сбор макулатуры стал важным шагом к повышению экологической осведомленности среди студентов и всего университета. Участники не только собрали бумагу для переработки, но и обсудили важность экосознательного поведения и способы минимизации бумажных отходов в повседневной жизни, вторичного использования ресурсов для сохранения окружающей среды. Организаторами был также продуман процесс приема и хранения макулатуры до дальнейшей отправки на переработку. Местом сбора макулатуры стал факультет географии и природопользования, куда участники акции принесли газеты, тетради и прочую ненужную бумажную продукцию.

Данное мероприятие стало очередным шагом университета на пути к устойчивому развитию и ярким примером того, как молодежь может внести свой вклад в охрану окружающей среды. Эта инициатива не только помогла привлечь внимание к проблемам экологии, но и сформировала у студентов осознанное отношение к ресурсам, которые они используют.

КазНУ продолжает активно поддерживать экологические инициативы, стремясь сделать вклад для сохранения ресурсов нашей планеты.

*Старший преподаватель Керимкулова А.Б. и доцент Таныбаева А.К.
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