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SUSTAINABLE DEVELOPMENT GOALS



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GEOGRAPHERS OF THE TURKIC WORLD GATHERED AT KAZNU

The II International Congress of Geographers of the Turkic world was held at the Al-Farabi Kazakh National University. For two days in April 2025, the participants not only discussed global environmental problems, but also considered ways to solve them.



The II International Congress of Geographers of the Turkic World brought together over 200 prominent scientists, environmental experts, renowned geographers, educators, and young researchers from Turkey, Kyrgyzstan, Azerbaijan, Turkmenistan, and Uzbekistan. The event served as a

dynamic platform for interdisciplinary dialogue, knowledge sharing, and the establishment of international partnerships aimed at addressing contemporary environmental and geographical challenges.

At the opening of the Congress, Chairman of the Board – Rector of Al-Farabi Kazakh National University, Zhanseit Tuimebayev, delivered a keynote speech in which he highlighted the critical importance of sustainable resource management. He emphasized the need to prioritize the development and application of alternative energy sources while preserving the region's natural wealth.

Rector Tuimebayev cited President Kassym-Jomart Tokayev's address, stating: "In today's conditions, the relevance of cooperation in combating ecological and climate change is growing. It is impossible to address climate challenges alone."

Tuimebayev further noted that scientists at KazNU are actively engaged in solving urgent environmental problems in Central Asia such as water scarcity, drought, and land degradation. These efforts involve the use of cutting-edge technologies, including satellite monitoring and remote sensing, which provide valuable data for the develop-



sustainable environmental strategies.

Distinguished speakers at the congress included Bahodir Mamurov, Rector of the Bukhara State Pedagogical Institute; Turkish scholars such as Professors Bülent Aksoy, Ömer Türksever, and Halil Toksan; and Professor Turgunbek Niyazov from Kyrgyzstan. They presented insights into pressing issues related to climate adaptation, geomorphology, and the role of geography in education and public policy.

A notable outcome of the Congress was the signing of a memorandum of cooperation between Al-Farabi Kazakh National University and the Bukhara State Pedagogical Institute. Under this agreement, both institutions will collaborate on joint research projects and academic exchange in the fields of social sciences, humanities, and natural sciences. This partnership marks an important step toward strengthening academic ties across the Turkic world.

It is also worth highlighting the participation of several other leading academic institutions, including the International Kazakh-Turkic University named after Khoja Akhmet Yasawi, Kyrgyz National University named after Zh. Balasagyn, the JSC "Institute of Geography and Water Security" (Kazakhstan), and Osmangazi University (Turkey). Their involvement demonstrates the growing commitment of Turkic nations to unite efforts in addressing regional environmental, climatic, and educational challenges through collaborative science and innovation.

The Congress concluded with a shared vision of enhancing regional cooperation, expanding academic mobility, and promoting the integration of modern scientific approaches into environmental policy and education throughout the Turkic world.



Press-service of Al-Farabi Kazakh National University

KAZNU AND AKIMAT OF ALMATY HELD THE FORUM "INTEGRATION OF SCIENCE, BUSINESS AND PRODUCTION"

The Al-Farabi Kazakh National University hosted the forum "Integration of Science, Business and production", organized jointly with the Akimat of Almaty. The forum held at Al-Farabi Kazakh National University brought together over 200 participants, including leading scientists, entrepreneurs, government officials, and environmental experts.

Presentations highlighted KazNU's scientific achievements, including the development of a university microsatellite, advanced chemical technologies, and environmental research centers. The event concluded with the signing of cooperation agreements aimed at fostering joint innovation projects and strengthening collaboration between academia and industry.

The event was attended by Akim of Almaty Erbolat Dosaev, Chairman of the Board – Rector of KazNU Zhanseit Tuimebayev, representatives and experts in the field of ecology and environmental protection, seismic safety, as well as companies introducing innovative technologies into production, scientific communities and about 200 representatives of business and stakeholders.

Akim of Almaty Erbolat Dosaev spoke at the plenary session, outlining the urgent tasks of urban infrastructure development, ecology and digitalization. He noted that one of the key priorities of the Head of State's policy is the promotion of science and innovation.



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Aliya Aktymbaeva, Dean of the Faculty of Geography and Environmental Management, noted that the Kazakh-Chinese Laboratory for Earth Remote Sensing Technologies was established jointly with the Xinjiang Institute of Ecology and Geography. The research of scientists at the Center focuses on environmental monitoring, natural resource management and adaptation to climate change.

Amirkhan Temirbayev, General Director of the Cluster of Engineering and High Technologies, reported that a branch of the Northwestern Polytechnic University of China is successfully operating at the university. One of the common projects implemented by this university is the development of a microsatellite.

Alina Galeeva, Dean of the Faculty of Chemistry and Chemical Technology at Al-Farabi Kazakh National University,

presented the Laboratory of Chemistry and Chemical Technology. The "Farabi Chem Science" cluster includes eight advanced laboratories and a research and production center for the production of chemical electroplated packaging.

At the end of the forum, a ceremony was held to sign a cooperation agreement between KazNU and "Astana Motors Manufacturing" and

"Dragon Lakshme Group KZ". The parties will cooperate in the field of personnel training and innovation in the automotive industry, as well as develop joint projects on water supply and ecology.



SCIENTISTS FROM KAZNU ARE TAKING PART IN A SEMINAR AS PART OF A JOINT INTERNATIONAL PROJECT OF STATE, INTERNATIONAL AND NON-GOVERNMENTAL ORGANIZATIONS

Scientists from Al-Farabi KazNU took part in the International Seminar of the Forestry and Wildlife Committee of the Ministry of Ecology and Natural Resources of the Republic of Kazakhstan, which, together with the World Conservation Monitoring Centre of the United Nations Environment Programme (UNEP/WCMC), UNDP and the Association for the Conservation of Biodiversity of Kazakhstan (ACBK), is implementing the project “Supporting Kazakhstan in achieving national biodiversity targets by creating institutional and legal conditions for expanding the network of protected areas (SPACES)”. The topic of the seminar was “Territorial approach to nature conservation and preservation in the context of Kazakhstan: how strengthening national policies, spatial planning and financial mechanisms can support an effective system of protected areas”.

The purpose of the seminar was to discuss existing knowledge and international experience in expanding and managing specially protected natural areas and other effective measures to protect territories through ecological corridors. On the first day of the seminar, participants examined in detail Task 3 of the Global Biodiversity Framework, explaining the various types of territorial nature conservation and the specifics of this task.

This workshop allowed us to expand the horizons of sustainable partnership (SDG 17), but also to make a significant contribution to the implementation of the Sustainable Development Goals (SDGs), in particular SDG 14 “Life below water” and SDG 15 “Life on land”.



Press-service of Al-Farabi Kazakh National University

DISCUSSION OF SUSTAINABLE DEVELOPMENT STRATEGIES IN HONOR OF THE 80th ANNIVERSARY OF THE UNITED NATIONS



On January 16, 2025, an important meeting was held at the UN Plaza office in Almaty, bringing together L.F. Delovarova, Director of the Academic Regional Resource Center for UN Information, T.A. Bazarbayeva, Head of the UNESCO Chair on Sustainable Development, O.Zh. Oshanova, Head of the UNESCO Chair on Journalism and Communication, L.K. Mukhtar, Di-

rector of the Ban Ki-moon Institute for Sustainable Development, and Vlastimil Samek, representative of the UN Department of Global Communications in Kazakhstan. This meeting coincided with the significant milestone of the 80th anniversary of the UN, to be celebrated in 2025. This anniversary highlights the importance of multilateral cooperation and collective efforts in sustainable development, particularly in education and social change.

During the meeting, participants discussed strategic areas of cooperation and exchanged ideas for implementing projects aimed at increasing awareness and engagement of students and the public in issues of sustainable development. Special attention was paid to the importance of integrating practical solutions to combat climate change and social inequality. Vlastimil Samek emphasized the significance of the partnership between KazNU and the UN in achieving these goals.

As a result of the discussions, an agreement was reached to jointly develop and implement several initiatives that will contribute to advancing sustainable development in the region. This milestone inspires continued efforts toward creating a more sustainable and equitable future for all and underscores the importance of such meetings for achieving global goals.

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

THE ZHANDAYEV READINGS WERE HELD AT KAZNU

The International scientific and practical conference XI Zhandayev readings: "Theoretical foundations and applied aspects of modern geodynamics and ecological geomorphology – as a legacy of M. Zhandayev's teachings" was held at Al-Farabi KazNU, dedicated to the 50th anniversary of the department of cartography and geoinformatics

The conference was dedicated to geodynamics and ecological geomorphology, as well as to the legacy of the outstanding scientist, professor Mukatay Zhandaevich Zhandayev.

The conference was attended by international scientists from the Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, the Institute of Earth Sciences, University of Grenoble Alpes (Grenoble, France), the School of Natural Sciences and Environmental Studies, University of Tsukuba (Tsukuba, Japan), the Austrian-Central Asian Geoinformatics Center of the Kyrgyz State Technical University named after I.Razzakov, and others. Representatives of leading domestic organizations in the field of natural sciences also took part. Reports were made by leading scholars from the Institute of Geography and Water Security, SIAAGS "Kostanay Regional University named after A.Baitursynov", Eurasian National University named after L.N.Gumilyov, the Ecology Laboratory of Zhetysu University (Taldykorgan), Abai KazNPU, KazNTU named after K.I.Satpayev, and others.

The conference featured the opening of an auditorium dedicated to Candidate of Geographical Sciences, associate professor Larisa Konstantinovna Veselova, an outstanding scientist and teacher whose research and contribution to the development of geographical science have left an indelible mark on scientific and educational life.



he opening of the auditorium was attended by colleagues and students of L.K.Veselova, and the director of the Institute of Geography and Water Safety, doctor of Geographical Sciences, professor, academician of the National Academy of Sciences of the Republic of Kazakhstan, A.R.Veselova, delivered a congratulatory speech. Medeu, director of the Institute of Botany and Phytointroduction G.T.Sitpayeva, director of the Center for Remote Sensing and GIS "Terra" B.V.Geldiyev, professor of the Department of Biodiversity and Bioresources S.T.Nurtazin, professor of the Department of Tourism R.K.Utekesheva, Dean of the Faculty of Biology and Biotechnology M.Kurmanbayeva.



Conference participants noted the importance of integrating modern technologies such as GIS and artificial intelligence into geographical and ecological research. Issues were raised regarding the need for further development of educational programs aimed at training specialists in the fields of geoinformatics and ecology.

The scientific conference dedicated to the research of M. Zhandayev and his students in the fields of geography, geoinformatics, and ecology became an important event for the scientific community. Scientists discussed current issues related to their work and emphasized the significance of their contribution to the development of these disciplines.

Press-service of Al-Farabi Kazakh National University

OPENING OF THE IV INTERNATIONAL WINTER SCHOOL "EDUCATION FOR SUSTAINABLE DEVELOPMENT: INNOVATIVE MODELS"



On February 17, 2025, the grand opening of the IV International Winter School dedicated to the International Day of Education established by UNESCO took place at the Al-Farabi Kazakh National University. This day is celebrated as a recognition of the importance of education in ensuring sustainable peace and development at the global level.

The event was organized by the Faculty of Geography and Environmental Sciences, the Faculty of Journalism, the UNESCO Chair for Sustainable Development, together with the Department of Print and Electronic Media.

Participants and format: The Winter School brought together participants from different parts of the world, including media representatives, teachers and students from Kazakhstan, Germany, Great Britain, China, Turkey, Azerbaijan, Kyrgyzstan, Uzbekistan and Russia. Also among the participants are students, undergraduates and doctoral students from Afghanistan, China, Yemen, Nigeria and Ethiopia. The event will be held from 17 to 28 February in a hybrid format, with workshops, lectures and discussions conducted by leading experts from international organizations, universities and the media.

The opening ceremony was attended by prominent personalities, including:

- Altai Kazmagambetov, Member of the Board - Vice Rector for Academic Affairs of Al-Farabi Kazakh National University
- Vlastimil Samek, Representative of the UN Department of Global Communications in Kazakhstan

- Rafis Abazov, Vice-Rector for International Relations at KazNAIU
- Yerkebayeva Asemgul, press Secretary of the public organization "Jerdin Dostary"
- Nurlan Usmanov, Executive Secretary of the newspaper "Halk Suzi" Uzbekistan.

Master classes and lectures: After the official part, the participants started a rich program of lectures and master classes. Experts from UNESCO, the United Nations and leading universities of Kazakhstan, China, Russia, Uzbekistan and other countries took part in discussions on topical issues of media literacy, digital technologies and environmental management.



Environmental initiatives and the country's image: One of the main aspects of the winter school is to draw attention to environmental initiatives, sustainable tourism, and educational innovations. The participation of journalists and experts from different countries creates a unique opportunity to share experiences and spread ideas aimed at nature conserva-

tion and sustainable development. Effective presentation of information about such initiatives contributes to the formation of a positive image of Kazakhstan in the international arena, strengthening cooperation in the field of ecology, ecotourism and sustainable development. The Winter School has been held since 2022 and for four years has established itself as an important educational platform for discussing issues of sustainable development, innovative models of education, ecology and ecotourism.

Excursion and duration: The end of the 1st day event was an excursion to the Scientific Center for Sustainable Development and Rational Use of Natural Resources. The event will last 10 days, at the end of which participants will receive a certificate of professional development for 72 hours.

Khamitova K.K., Deputy Head of the UNESCO Chair for Sustainable Development

PARTICIPATION IN AERIAL SURVEYS OF AVALANCHE-PRONE AREAS AND MORaine LAKES

At the beginning of February 2025, the Faculty of Geography and Environmental Sciences took part in aerial surveys to assess avalanche hazards in the city of Almaty and Almaty Region, within the Ile Alatau Mountain range.

Additionally, specialists from the Kazakhstan-China Scientific Laboratory conducted a survey of moraine lake №13-bis and the Sovetov Glacier in the Ulken Almaty river basin. The work involved the use of drones equipped with laser and LiDAR systems, enabling detailed terrain mapping, glacier change detection, and risk assessment.

Laser and LiDAR surveys provide high-precision 3D models of glaciers and moraine lakes, which are essential for monitoring glacier dynamics and



forecasting potential hazards such as lake outbursts or avalanches. These technologies help detect even minor changes in glacier structures and moraine deposits, contributing to the development of effective disaster prevention measures.

The survey results confirmed that all moraine-glacial lakes are in their winter state, with their surfaces covered by ice and snow. At the same time, avalanche hazards in the mountains persist.

These activities were carried out as part of the joint efforts outlined in the Memorandum of Cooperation with the State Institution "Kazselezashchita" under the Ministry of Emergency Situations of the Republic of Kazakhstan and within the framework of the Year of Glacier Protection. The obtained results contribute to the achievement of Sustainable Development Goal (SDG) № 13 "Climate Action" by providing a scientific basis for climate adaptation and disaster risk management. Moreover, the study of glaciers and water resources is directly linked to SDG №6 "Clean Water and Sanitation" as glaciers are a crucial source of freshwater for Central Asia.

ПРОФЕССИЯ, НАУКА, УСПЕХ: ЖЕНСКИЙ ВЗГЛЯД

4 марта 2025 года на кафедре ЮНЕСКО по устойчивому развитию состоялся круглый стол на тему "Профессия, наука, успех: женский взгляд", приуроченный к Международному женскому дню 8 Марта. Это значимое мероприятие объединило преподавателей и студентов, став ярким примером диалога поколений и обмена бесценным жизненным опытом



Перед слушателями выступили доценты кафедры Тажибаева Тамара Лашкаровна и Бергенева Нургуль Сагиевна. Эти уважаемые педагоги, посвятившие несколько десятилетий работе в Казахском национальном университете имени аль-Фараби, рассказали первокурсникам о становлении и развитии кафедры, её научных достижениях и выдающихся выпускниках. Особое внимание они уделили вопросам женского вклада в науку и профессиональную деятельность, вдохновляя молодежь своим примером.

В теплой и доверительной атмосфере доценты поделились личными историями, профессиональными достижениями и ценными советами, которые помогут студентам в их академическом и карьерном пути. Их слова стали мотивирующим ориентиром для молодых слушателей, стремящихся к успеху в науке и профессии.

Завершая встречу, заведующая кафедрой Базарбаева Турсынкул Аманкельдиевна выразила благодарность выступающим за их неоценимый вклад в воспитание нового поколения специалистов и, от имени кафедры, вручила золотой значок "аль-Фараби", символизирующий признание и уважение к заслугам награжденного.

Круглый стол стал не только данью уважения женщинам в науке, но и вдохновляющим событием, оставившим глубокий след в сердцах его участников.

Бергенева Н.С., доцент кафедры ЮНЕСКО по устойчивому развитию

14 НАУРЫЗ АМАЛ МЕРЕКЕСІ

Наурыз – жаңару мен жақсылықтың, татулық пен бауырмалдықтың мейрамы. Бұл айда халқымыз бір-бірін құттықтап, өткен өкпе-ренішін кешіріп, жаңа күнге ақ тілектермен қадам басады. Наурыздың бастауы саналған 14 наурыз – Көрісу күні де дәл осы құндылықтарды деріптейтін ерекшемерке. Игі дәстүрді ұлықтауға География және табиғатты пайдалану факультетінің ұжымы да ат салысты. Факультет ақсақалдары, құрметті ұстаздары, профессорлары Темирбеков Аман Тажиевич, Давлеткалиев Сакен Каламкалиевич, Шимшиков Батыргельды Ерденович іс-шараның ашылу салтанатында ұжымын Наурыз мейрамының басталуымен құттықтай отырып, жылы лебіздерін білдіруден бастады. Іс-шара барасында сөз алған әр кафедра ұжымдары жаңа жылдың келуімен құттықтай отырып, факультете жақсы бастаманың жалғасын табуын қолдады.

Ары қарай Наурызнама онкүндігінің алғашқы күні – Көрісу-кесіне или рай факультеттің ұйымдастырылған концертін тамашалады.

Бұл іс-шара студент факультета мен оқытушылар арасында достатық пен ынтымақтастықты нығайтуға, сондай-ақ, Наурыздың құндылықтарын кеңінен танытуға зор үлес қосып, ерекше әсер қалдырды.



BIODIVERSITY CONSERVATION: ECOSYSTEM RESTORATION THROUGH THE PLANTING OF SIEVERS APPLE TREES



On March 26, 2025, the UNESCO Chair on Sustainable Development at Al-Farabi KazNU, as part of the ALMA-KIKA project, organized the planting of 50 seedlings of the Tian Shan endemic species, Sievers apple tree, in the Butakov Gorge of Ile-Alatau National Park.

Our partners, "Jerdin Dostary," and the staff of Ile-Alatau National Park also took part in the event. This initiative aims to preserve biodiversity, restore ecosystems, and promote Kazakhstan's natural heritage.

The Sievers apple tree is recognized as the wild ancestor of all cultivated apple varieties and plays a critical role in the biodiversity of Kazakhstan's mountain forests. However, its population has been declining due to deforestation, overgrazing, and climate change. This project seeks to address these challenges by restoring the habitat of the species and promoting awareness of its ecological significance.

The initiative brought together a wide range of stakeholders, including the public association "Jerdin Dostary" and the dedicated staff of Ile-Alatau National Park. Beyond the physical act of planting, the event served as an opportunity for environmental education, community engagement, and public support for preserving Kazakhstan's natural heritage.

Through actions like this, Al-Farabi KazNU and its partners aim to promote sustainable development goals, support conservation efforts, and strengthen the connection between people and nature. The reforestation of Sievers apple trees is not only a symbolic step but also a scientifically grounded approach to restoring fragile mountain ecosystems and protecting biodiversity for future generations.

Sadyrova G.A., Professor of the UNESCO Chair for Sustainable Development

THE INTERNATIONAL SCIENTIFIC CONFERENCE OF STUDENTS AND YOUNG SCIENTISTS “FARABI ALEMI” WAS HELD AT THE FACULTY OF GEOGRAPHY AND ENVIRONMENTAL SCIENCES

From April 3 to 5, 2025, the International Scientific Conference of Students and Young Scientists “FARABI ALEMI” was held at the Faculty of Geography and Environmental Sciences.

At the conference, current problems of various industries were discussed in the following breakout sessions:

- Contemporary Geographic Research and Spatial Development;
- Innovations and Methodology in Geographic Education;
- Sustainable Land Use and Modern Land Management Technologies;
- Modern Trends and Digital Technologies in Cadastral Systems;
- Digital Geoinformatics and Natural Risk Management in an Era of Technological;
- Geodesy and big data: digital solutions for sustainable development;
- Climate change and water resources;
- Actual issues in the tourism industry;
- Modern trends in the hospitality industry;
- Digital technologies for sustainable development of tourism and hospitality;
- Ecology;
- Human life safety.

As a result of discussing the works of the speakers, the competition commission determined the winners of the International Scientific Conference of Students and Young Scientists “FARABI ALEMI” at the Faculty of Geography and Environmental Sciences and awarded diplomas in the following order:

1st place: Shyryntay A., 4th year student of the educational program “6B11101-Tourism”. Topic: Assessing smart tourism readiness through key technologies and indicators in urban destination management: a case study of Almaty. Scientific supervisor: PhD Candidate Nuruly Ye.

2nd place: Erlan D. 3rd year student of the educational program “6Bo5203-Hydrology”. Talgar Ozeni alabyndagi muzdyktardyn kerı sheginu dynamicsson bagalau. Scientific supervisor: PhD, Senior Lecturer Abdullayeva A.S.

3rd place: Madibekova A.A., 3rd year student of the educational program “6Bo5202-Ecology”. Plastic pollution of Lake Markakol. Scientific supervisor: Candidate of Geographical Sciences, Senior Lecturer Ismukhanova L.T.



OPENING OF THE ECOLOGICAL HUB AT AL-FARABI KAZNU: A STEP TOWARDS A SUSTAINABLE FUTURE

On April 10, 2025, the grand opening of the Ecological Hub, an innovative space aimed at developing sustainable environmental practices and supporting environmental initiatives, which is part of the Eco-Hub network of the ECO Network project, took place on the territory of the al—Farabi Kazakh National University. The event gathered about 25 participants, including representatives of international organizations, governmental bodies, the business sector, and the academic community.



The official part of the event was opened by Deputy Chairman of the Board, First Vice—rector of KazNU Erkin Ermanovich Duissenov and Deputy Head of the Department of Youth Policy of Almaty city Kenesbai Almaz Abayuli. After the welcoming speech, a symbolic ribbon cutting took place, which was attended by ecologist, ECO Network project manager Evgeny Mukhammedzhanov and other distinguished guests.

Among the invitees were Vlastimil Samek, Head of the UN Information Office in Kazakhstan, Toksanbetov Nurlan Sembayevich - co-founder of the Jerdin Dostary Public Association, representatives from the Almaty city administration, and companies such as Ecoservice, KazEcoAnalytics, KazEcoProject, and Almotor.

The ceremony concluded with closing remarks by Dean of the Faculty of Geography and Environmental Sciences, Ms. Aliya Sagyndykovna Aktymbayeva, who expressed her belief that the Ecological Hub would become a key platform for education, research, and collaboration in the field of environmental protection.

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

A ROUNDTABLE ON ECOTOURISM AND NATURE CONSERVATION WAS HELD AT AL-FARABI KAZAKH NATIONAL UNIVERSITY

On April 25, 2025, a roundtable titled "Nature Conservation Activities in Kazakhstan and the Development of Ecological 'Green' Tourism" was held at Al-Farabi Kazakh National University. The event was organized within the framework of Sustainable Development Goals (SDGs) 12 and 15.

The roundtable featured Dr. Kutay Oktay, Professor of the Faculty of Tourism and Head of the Department of Tourism Management at Kastamonu University (Turkey), who delivered a presentation titled "Experiences from International Exchange Programs on Sustainable Tourism Practices in Various Countries."

Janerke Zhanbolatkyzy Bigazinova, Head of the Environmental Education Department at the Almaty State Nature Reserve, gave a presentation on "Ecological Trails in the Territory of the Almaty Reserve."

Associate Professor of the UNESCO Chair on Sustainable Development, Elmira Sartaykyzy Boribay, presented on "Ecotourism as a Tool for the Sustainable Development of Natural Areas."

The roundtable was opened by the Head of the Department, T.A. Bazarbayeva, who emphasized the importance of the event. It was attended by students studying ecology and tourism, along with professors and academic staff.

Topics discussed included issues aligned with SDGs 12 and 15, such as sustainable architecture, efficient resource use, natural resource policies, endangered species, wildlife protection, plant harvesting, and green tourism development.



Boribay E.S., Associate Professor of the UNESCO Chair for Sustainable Development

WORLD DAY FOR SAFETY AND HEALTH AT WORK: "REVOLUTIONARY APPROACHES IN THE FIELD OF OCCUPATIONAL SAFETY AND HEALTH: THE ROLE OF ARTIFICIAL INTELLIGENCE (AI) AND DIGITALIZATION IN THE WORKPLACE"

At Al-Farabi Kazakh National University, 1st-year master's students of the UNESCO Chair for Sustainable Development, majoring in "Environmental Protection and Life Safety" — Serikov Anuar, Koilybayeva Akerke, Mynzhasov Daulet, Utepova Nazgul, Nurbekova Zhansaya, Ziyagadil Zhiger, and Zhumabekova Aizhan — organized an international hybrid-format round table dedicated to the "World Day for Safety and Health at Work" under the guidance of the pedagogical practice supervisor A.K. Kozhakhan. Teachers, students, and guests participated in the event.

Among the participants were the Director of the D.A. Kunaev Mining Institute, E.T. Uteshov; Deputy Director for Scientific Work, E.A. Shabelnikov; Scientific Secretary, A.A. Boyandinova; Head of the Industrial Safety Department, A.M. Kolotaev; and from the structural subdivision of the "Al-Farabi Kazakh National University" NJSC, the Head of the Department of Civil Protection, Labor Protection, and Labor Safety, A.T. Maymakov; Deputy Head, M.A. Kadyrbaev; and Chief Specialist of the Department of Civil Protection, Labor Protection, and Labor Safety, A.G. Mukhametkarimov. The foreign guest of the event was a professor from Damus O. University of Haiti, an invited professor at Laval University (Canada), an associate professor at the University of Sherbrooke, editor-in-chief of the international scientific journal *Anthropologie des savoirs des Suds*, and an expert at UNESCO headquarters in Paris.

The guests participating in the round table emphasized the importance of such events for students and master's students who have chosen specialties aimed at ensuring people's safety in the workplace.



***Kozhakhan A.K., Associate Professor of the UNESCO Chair
for Sustainable Development***

АЛМАТЫ ОҚУШЫЛАРЫНА АРНАЛҒАН ЭКСКУРСИЯ ҰЙЫМДАСТЫРЫЛДЫ

География және табиғатты пайдалану факультеті КЕМЕЛ қалалық физика-математика мектебінің оқушыларына экскурсия ұйымдастырды. Оқушыларға «Тұрақты даму және табиғатты тиімді пайдалану» ғылыми орталығында, «Қашықтықтан зондтау және қолдану технологиясы» Қазақстан-Қытай зертханасында жүргізіліп жатқан факультеттің ғылыми-инновациялық қызметі ұсынылды.

Оқушыларға бұл іс-шара экология саласындағы білімдерін кеңейтуге және топырақтың экологиялық жағдайын зерттеуге мүмкіндік берді. Зертхана қызметкерлері мектеп оқушыларына топырақтың құрамын, оның сапасын бағалау әдістерін және оның экологиялық жағдайына әсер ететін факторларды түсіндірді. Сонымен қатар, оқушылар топырақтың ластануы мен эрозиясының



алдын алуға байланысты іс-шаралармен танысты.

Тұрақты даму мақсаттары ТДМ 4-сапалы білім беру, ТДМ13 - климаттың өзгеруіне қарсы күрес; ТДМ 15-құрлық экожүйелерін сақтау қол жеткізуге бағытталған бұл іс-шара оқушылардың табиғат алдындағы жауапкершілігін арттырды және олардың экология саласындағы ғылыми зерттеулер мен жаңа технологияларға деген қызығушылығын оятты.

Мұқанова Г.А., Тұрақты даму бойынша кафедрасының доценті,