



(June 2-15, 2025)

Kazakh National Agrarian Research University



INTERNATIONAL SUMMER SCHOOL - 2025

INFORMATION LETTER

Dear students and young scientists!

The Kazakh National Agrarian Research University is delighted to announce the organization of the highly anticipated International Summer School 2025. The primary objective of the upcoming International Summer School-2025 is to provide a platform for local and international students, young scholars, business professionals, and faculty members to come together and expand their knowledge.

The event will offer a range of interactive sessions, workshops, and presentations that will allow attendees to actively engage in meaningful discussions with scientists, business people, and experts in the field.

The event will offer a range of interactive sessions, workshops, and presentations that will allow attendees to actively engage in meaningful discussions about latest smart technologies in the field. The registration for Summer School-2025 will be open on March 01, 2025 and it will be open until April 30, 2025.

«WATER RESOURCES MANAGEMENT USING
IT-TECHNOLOGIES»



«VETERINARY IN BIOLOGICAL SAFETY»



«BREEDING AND BIOTECHNOLOGY»



*MODERNIZATION AND TRANSFORMATION OF AGRIBUSINESS:
LEGAL FOUNDATIONS, FINANCE AND ACCOUNTING*



«INNOVATIVE TECHNOLOGIES FOR PROCESSING
CROP AND LIVESTOCK PRODUCTS»



«SUSTAINABLE MANAGEMENT OF FOREST
AND LAND RESOURCES»



«CLINICAL VETERINARY MEDICINE»



«NATURAL RESOURCES, ECOLOGY AND SUSTAINABLE
PLANT GROWING»



«ENGINEERING TECHNOLOGIES FOR SUSTAINABLE
DEVELOPMENT OF AGRICULTURE»



«DEVELOPMENT OF INNOVATION ECOSYSTEM:
STARTUPS AND BUSINESS INCUBATION (MINI MBA)»

Information you can take here:



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Агромедиа ҚазҰАҰ



<https://www.kaznaru.edu.kz/cooperation/international-office-team>

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№	Название школы	Логотип
1	<p data-bbox="212 286 1058 358">«ТАБИҒИ РЕСУРСТАР, ЭКОЛОГИЯ ЖӘНЕ ТҰРАҚТЫ ӨСІМДІК ШАРУАШЫЛЫҒЫ»</p> <p data-bbox="320 398 965 470">«ПРИРОДНЫЕ РЕСУРСЫ, ЭКОЛОГИЯ И УСТОЙЧИВОЕ РАСТЕНИЕВОДСТВО»</p> <p data-bbox="316 510 970 582">«NATURAL RESOURCES, ECOLOGY AND SUSTAINABLE PLANT GROWING»</p> <p data-bbox="212 622 1058 837"> Мектеп жетекшісі: Қалдыбаев Сағынбай ҚР ҰАҒА академигі, «Топырақтану, агрохимия және экология» кафедрасының профессоры, а.-ш.ғ.д. Жоламанов Куаныш Кенесович - «Агрономия, селекция және биотехнология» кафедрасының қауым.профессоры, а.-ш.ғ.к., фасилитатор </p> <p data-bbox="212 878 1058 1093"> Руководитель школы: Калдыбаев Сағынбай академик НААН РК, профессор кафедры «Почвоведение, агрохимия и экология», доктор с.-х. наук Жоламанов Куаныш Кенесович – ассоц. профессор кафедры «Агрономия, селекция и биотехнология», к.с.-х. н., фасилитатор </p> <p data-bbox="212 1133 1058 1384"> School supervisor: Sagynbay Kaldybayev Academician of the NAAS RK, professor of the department «Soil science, agrochemistry and ecology», doctor of agricultural sciences. Kuanysh K. Zholamanov – associate professor of the department «Agronomy, selection and biotechnology», candidate of agricultural sciences, facilitator </p>	

From 2 to 14 June 2025, KazNARU hosted an international summer school, section ‘Natural resources, ecology and sustainable plant growing’.

Natural resources, ecology and sustainable plant growing are important areas that are closely interrelated. Sustainable crop production aims to conserve natural resources and the environment in order to ensure long-term food security.

The current link between ecology, natural resources and sustainable plant growing is justified by the following provisions:

- Sustainable plant growing is an important tool for solving environmental problems and ensuring the sustainable use of natural resources.
- It helps to reduce the burden on the environment, preserve biodiversity and ensure long-term food security.
- Ecology and natural resources play an important role in the sustainability of crop production and must be considered when developing strategies for its development.

The aim of the international summer school in this section was to familiarise and train participants in modern methods of natural resource use, ecosystem conservation and the creation of sustainable crop production adapted to climate change.

The summer school programme included a series of lectures, practical classes and discussion panels, attended by speakers, experts and practitioners in the fields of soil science, agrochemistry, ecology and sustainable crop production. The speakers made a significant contribution to the educational process and highlighted current issues and the latest research in these areas.

Scientists from Austria, Serbia, Indonesia, Turkey, Pakistan, China, Russia and Uzbekistan took part in the school ‘Natural Resources, Ecology and Sustainable Plant Growing’.

After the offline and online presentations, there was a discussion to exchange the views of the school participants on current issues in these areas:

-Natural resources:

- Natural resources such as soil, water, air and biodiversity are the basis for crop production.
- Unsustainable land use practices lead to soil degradation, water scarcity and biodiversity loss.
- Effective management of natural resources is essential to ensure sustainable agricultural production.

-Sustainable plant growing:

- Sustainable plant growing is a land use system that aims to minimise environmental impact and conserve natural resources.
- The use of environmentally friendly technologies, rational use of water and fertilisers, and conservation of biodiversity.
- The use of environmentally friendly technologies, rational use of water and fertilisers, and the preservation of biodiversity.
- Improved soil quality, increased yields and reduced production costs.
- Rural development and job creation.

On ecology:

The relationship between living organisms and the environment, as well as the role of natural resources in this process.

- Environmental problems such as land degradation, water and air pollution threaten the sustainability of crop production.
- Protecting the environment to ensure ecological safety and public health.

Thirty participants took part in the summer school, expressing interest and a desire to participate from various countries, including China (Shi he zi University), Uzbekistan (Samarkand Institute of Agricultural innovation and research), Kyrgyzstan (Kyrgyz National Agrarian University named by K.I. Skryabin), Kazakhstan (West Kazakhstan Agrarian Technical University named by Zhangir Khan and Kostanay Regional University named by Akhmet

Baitursynuly). This made it possible to create a multinational learning environment and ensured the exchange of experience and knowledge in these areas.

The participants included master's students, doctoral students, postgraduate students, as well as scientists and teachers interested in current trends and the latest achievements in these fields.

Foreign speakers included participants from Austria, Serbia, Indonesia, Turkey, Pakistan, China, Russia, Kazakhstan, and Uzbekistan. These included professor Elmira Salnikov from the University of Belgrade (Serbia), associate professor Reinhard Neungschwandtner from the University of Natural Resources and Life Sciences (Austria), professor Tefide Kyzylideniz Nigde Omer Halis (Demir University, Turkey), professor Nilipovsky V. I. (State University of Land Use Planning, Moscow, Russia), scientific coordinator of the Agrocompetence Centre of the M. Kozybaev North Kazakhstan State University, PhD S. Musurova, researcher Fazal Ullah (School of Natural Sciences, Lanzhou University, People's Republic of China), professor Nodira Raupova, associate professor Nazarov H.K., doctor Mirzakhocayev Sh.Sh. (Tashkent State Agrarian University, Republic of Uzbekistan), Dr. Allah Bakhsh (University of Punjab, Pakistan), Dr. Filipova Margaritka Vasileva (Angel Kanchev University of Ruse, Bulgaria), Dr. Salman Gufar (Kohsar Murri University, Pakistan), Research Fellow Ivanova Ekaterina Leonidovna (Dokuchaev Institute of Soil Science, Russia), Dr. Betty Natalie Fitriatin (Padjadjaran University, Indonesia).

Lectures were also given by teaching staff from our university. In particular: the head of the school, doctor of agricultural sciences, professor of the Department of soil science, agrochemistry and ecology, S. K. Kaldybaev, doctor of agricultural sciences, professor of the Department of Agronomy, selection and biotechnology T.A. Atakulov, doctor of agricultural sciences, professor of the Department of soil science, agrochemistry and ecology N. Sh. Suleimenova, doctor of biological sciences, professor of the Department of Agronomy, selection and biotechnology Suleimenova S.E., candidate of agricultural sciences, professor of the Department of soil science, agrochemistry and ecology Balgabaev A.M., candidate of agricultural sciences, professor of the Department of Agronomy, selection and biotechnology Zholamanov K.K., candidate of agricultural sciences, associate professor of the Department of Agronomy, selection and biotechnology Esenbaeva G.L., professor of the Department of soil science, agrochemistry and ecology Makhamedova B.Zh., doctor of biological sciences, professor of the Department of fruit and vegetable growing, plant protection and quarantine Saghitov A.O., Director of the Kazakh Scientific Research Institute of Potato and Vegetable Growing LLP, doctor of agricultural sciences, professor Aitbaev T. E., doctor of agricultural sciences, professor of the Department of 'Fruit and vegetable growing, plant protection and quarantine' Oleinchenko S. N., candidate of agricultural sciences, associate professor of the Department of 'Fruit and vegetable growing, plant protection and quarantine' Kusainova G. S., candidate of agricultural sciences, professor of the Department of Fruit and Vegetable Growing, Plant Protection and Quarantine Kampitova G.A.

Chairman of the Board of the Zh. Zhiembayev Kazakh Scientific Research Institute for Plant Protection and Quarantine, candidate of biological sciences, associate professor B. A. Duisembekov, candidate , associated professor of the Department of Fruit and Vegetable Growing, Plant Protection and Quarantine, Dutbaev E. B., PhD, senior teacher of the Department of Fruit and Vegetable Growing, Plant Protection and Quarantine, Seydazimova D. A., candidate of agricultural sciences, associate professor of the Department of Agronomy, Selection and Biotechnology, G. O. Syrlybaev, PhD, associate professor of the Department of Soil Science, Agrochemistry and Ecology, A. Kh. Naushabayev, candidate of biological sciences, senior teacher of the Department of Agronomy, selection and biotechnology Esenbaeva Dzhansulu M., candidate of agricultural sciences, professor of the Department of soil science, agrochemistry and ecology Zhapparova A.A.

Each topic was presented in the form of a presentation, followed by discussions, debates and practical exercises, where section participants had the opportunity to discuss and ask

questions to the speakers.

Overall, the International Summer School on Natural Resources, ecology and sustainable plant growing was successful and productive. Participants gained valuable experience and knowledge in these areas, as well as establishing contacts with colleagues and experts in these fields.

The KazNARU Summer School is part of the life learning trajectory, contributing to the acquisition of new knowledge, skills and competencies in core and other areas, and developing interdisciplinary areas. It allows students to engage in scientific and research work and provides them with practical skills.

The events of the ‘Natural resources, ecology and sustainable plant growing’ section have a positive impact on the development of corporate culture and create an environment for interaction between colleagues, teachers and students in various forms of learning and communication.

We would like to thank all the speakers and participants for their active participation and contribution to the success of this summer school section. We would also like to express our gratitude to the organisers who helped make this event possible.

Prepared by: Kuanysh K. Zholamanov – candidate of agricultural sciences, professor of the Department of Agronomy, selection and biotechnology. section facilitator



