



Plenary lecture in Slovenia



Dr. László Kövér, assistant professor at our faculty, gave a plenary lecture entitled “Human-crow conflicts from Europe to Africa” at the 14th European Vertebrate Management Conference. The event, held in the Slovenian coastal town of Ankaran, was attended by more than 200 participants from 45 countries around the world to discuss current issues related to vertebrate animals (ecology, population control, genetics). In addition to 88 presentations and 72 posters, participants delivered seven plenary lectures. The high-quality, week-long forum provided an excellent opportunity to cultivate existing professional relationships and establish new ones.

Source: facebook.com/DEMEK.fb





Vision and crossroads in the domestic wheat market



This year, the world is expecting the largest wheat harvest ever, at 799 million tons, while in Hungary, experts are forecasting an average yield of over 5 tons per hectare. Hungarian wheat growers also have to compete with increasingly strong competitors, according to the 32nd Wheat Conference held at the University of Debrecen. In addition to the situation on the domestic and international wheat markets, the main topics of the professional event included new trends, research results, precision agriculture, and the application of artificial intelligence.

Following the presentations, a practical demonstration was held at the university's Látóképi Experimental Farm, where participants learned about variety testing, crop rotation, fertilization, irrigation, and other long-term experiments.

The full article can be read at the following link:

<https://hirek.unideb.hu/jovokep-es-valaszut-hazai-buzapiacon>

Source: hirek.unideb.hu





Representatives from various fields of entomology held discussions

The main highlight of the 5th Debrecen Applied Entomology Conference was the application of scientific results in practice and their wider dissemination among the general public and professionals. The event, held at Zoo Debrecen, addressed current issues in entomological research that are relevant to agriculture and environmental protection.

The conference was launched in 2021 by the Plant Protection Institute of the Faculty of Agriculture, Food Sciences and Environmental Management at the University of Debrecen. It has been held online until now, but the organizers felt that the time had come to meet in person. The main objective is to present the latest findings of applied entomological research in the Carpathian Basin and to provide a platform for Hungarian researchers and university students working in various fields of entomology, from Hungary and beyond, to present their scientific work and expand professional cooperation.

The conference covered topics such as bees and zoos as potential hotspots for the establishment and spread of alien species, as well as forensics and nature conservation entomology, insect breeding techniques, and a presentation by Agroloop Hungary Kft.



The event was jointly organized by the Faculty of Agricultural and Food Sciences and Environmental Management, the Faculty of Natural Sciences and Technology, the Nagyerdei Cultural Park, ATK, and the Plant Protection Working Committee of the Agricultural Committee of MTA-DAB.

The full article can be read at the following link: <https://hirek.unideb.hu/rovartan-kulonbozo-zakteruleteinek-kepviseloi-tanacsokoztak>

Source: hirek.unideb.hu





Green Guard watches over Debrecen

The Debrecen Environmental Monitoring System, called Zöld Őrszem (Green Guard), has begun its operation. It was established and is operated jointly by the municipality of Debrecen and the University of Debrecen. Using state-of-the-art equipment, the condition of the air, water, soil, noise and biodiversity in the city is measured at 16 locations.

The Green Guard website can be accessed at the following link: <https://zoldorszem.debrecen.hu/>
The full article can be read at the following link: <https://hirek.unideb.hu/zold-orszem-figyeli-debrecent>

The high-quality scientific work carried out at the University of Debrecen also serves the people of Debrecen.

A professional conference was held at the HUN-REN Nuclear Research Institute in Debrecen to mark the launch of the Green Guard Debrecen Environmental Monitoring System (DKER).

Source: hirek.unideb.hu





Portfolio AgroFuture 2025



Faculty members also participated in the Portfolio Agrofuture 2025 Conference in Kecskemét, focusing on sustainability, efficient input distribution, and eco- and organic farming.

At this high-level event, Prof. Dr. Adrienn Kakuszi-Széles, head of the institute, moderated a roundtable discussion, while Prof. Dr. János Nagy, professor emeritus, was a roundtable speaker.

Further information: https://www.agrarszektor.hu/gepek/20250521/egyre-nehezebb-helyzetben-agzidak-erre-most-mar-idot-kell-aldozniuk-55568?utm_source=dvr.it&utm_medium=facebook&fbclid=IwY2xjawKg9YNleHRuA2FibQIxMABicmlkETBTSkF0a0FHNXJnR3dCc0tEAR5SH0UT6SGW6wbVoQvo57vtDkfcMxeyhURAn9seT4k11fMBj8EqvyygXnAuNQ_aem_FhjWrNxKb0nJw7bFtV4yOQ#google_vignette

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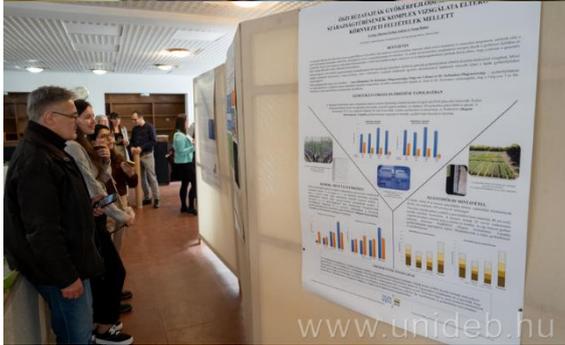




Everything about plant breeding – at the University of Debrecen



Hungarian plant breeding and the latest research results in related scientific fields were presented at the 31st Plant Breeding Scientific Days. The conference held at the University of Debrecen featured the latest developments in vegetable and fruit breeding, ornamental plant breeding, and arable crop breeding, as well as environmental issues in the sector.



On the opening day of the professional event, the scientific programs at the Debrecen Faculty of Agriculture focusing on food safety and plant breeding were presented, and attendees learned about the latest results of the space plant research group's activities at Biodrome.



The event, organized by the Plant Breeding Scientific Committee of the Agricultural Sciences Section of the Hungarian Academy of Sciences, the Hungarian Plant Breeders' Association, and the Faculty of Agriculture, Food Sciences and Environmental Management of the University of Debrecen, featured 32 presentations in four sections on biotechnology and genomics, gene bank research and foreign gene transfer, biotic and abiotic stress, and variety trials.



At the professional conference, Professor Emeritus Miklós Fári received the diamond-encrusted Golden Pen Award, established by Kruppa-Mag Kft, for his efforts in developing Hungarian biological resources, with particular emphasis on space plant research. Márta Lángné Molnár, researcher and pre-breeding plant breeder, also received recognition for her work in developing Hungarian biological resources and plant breeding.

Brigadier General Bertalan Farkas, a researcher and astronaut, also attended the award ceremony and gave a welcoming speech. He expressed his strong confidence that the results of space plant research conducted by the University of Debrecen in recent years will also prove useful during the next Hungarian astronaut's journey. This hoped-for success is an example of how adequate support for the biological and research foundations of domestic plant breeding is not only a narrowly defined issue in the field of space biology, but also an indispensable strategic investment and one of the pillars of our food security here on Earth.

The full article can be read at the following link:

<https://hirek.unideb.hu/index.php/minden-ami-novenynemesites-debreceni-egyetemen>

Source: hirek.unideb.hu





CARPE held a meeting in Portugal



The city of Porto hosted the CARPE international traveling conference from May 14 to 16.

At this professional event, the University of Debrecen was represented by a 22-member delegation from eight faculties and central units, led by Prof. Dr. László Csernoch, Vice Rector for Science.

The delegation from our university included Prof. Dr. István Komlósi and Prof. Dr. Szilvia Veres, university professors, and Dr. Melinda Paholcsek, assistant professor.

At the conference, participants discussed current challenges as part of a so-called 'Special Interest Group'. As members of the Food SIG, representatives of the Faculty developed joint project ideas and compiled work plans for the coming period.

In 2015, our university joined the Consortium on Applied Research and Professional Education (CARPE), which was established by universities whose profiles emphasize applied research.

For more information:: <https://hirek.unideb.hu/node/24863>

Source: facebook.com/DEMEK.fb





We visited Vienna!

Lecturers from the Faculty's Institute of Water and Environmental Management also participated in the European Geosciences Union General Assembly 2025 international conference in Vienna, where they presented their latest research results to a professional audience.

In addition to the conference, the lecturers also visited the BOKU University's experimental station in Groß-Enzersdorf, which has been serving agricultural research for more than a century.

After the professional programs, our colleagues also explored the city of Vienna.



Source: facebook.com/DEMEK.fb





Discussions on the status and results of organic farming

Although the number of organic farmers has quadrupled and the size of cultivated areas has grown dynamically in recent years, according to the latest data, only 0.8 percent of domestic food comes from organic farms, according to the Organic Agricultural Research Institute (ÖMKI) Sectoral Professional Day. The event, held at the Faculty of Agricultural and Food Sciences and Environmental Management of the University of Debrecen, featured nearly thirty presentations on arable farming, horticulture and animal husbandry.

The professional event also covered topics such as the situation of organic grape and fruit production, the use of species and varieties, nutrient management in organic vegetable production, the turnover of domestic organic farms, and the retail results of organic foods.



The full article can be read at the following link:
<https://hirek.unideb.hu/az-okologiai-gazdalkodas-helyzeterol-es-eredmenyeirol-tanacskozta>

Source: hirek.unideb.hu





In vitro method for preserving biodiversity

Researchers at the Agricultural Genomics and Biotechnology Center of the University of Debrecen, in collaboration with experts from the University of Nyíregyháza and the National University of Uzhhorod, have developed an in vitro micropropagation method for two endangered species of carnation (*Dianthus*) with the aim of preserving biodiversity. Their scientific findings were published in *Plant Methods*, a leading international journal in the field of plant science.



The preservation of biodiversity remains one of the most pressing challenges of the 21st century, requiring innovative approaches to prevent or at least mitigate species extinction and habitat loss.

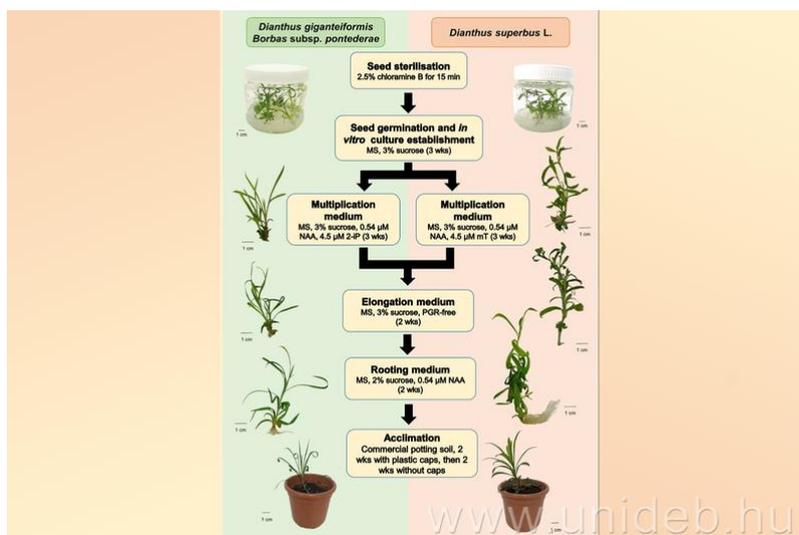
The aim of researchers at FAFSEM Agricultural Genomics and Biotechnology Center of the University of Debrecen, the University of Nyíregyháza, and the National University of Uzhhorod was to develop a protocol that would allow the production of large quantities of plant propagating material within three months. This protocol could increase the number of protected plant species during recultivation processes, and biodiversity could be preserved by maintaining and using selected genotypes in vitro.

The study was published in *Plant Methods*, a leading international journal in plant science. Project TKP2021-EGA-20 was implemented with support from the Ministry of Culture and Innovation's National Research, Development and Innovation Fund, financed by the TKP2021-EGA grant program.

A teljes cikk az alábbi linken olvasható:
<https://hirek.unideb.hu/index.php/vitro-modszerrel-biodiverzitas-megorzeseert>

A teljes cikk az alábbi linken olvasható:

<https://hirek.unideb.hu/index.php/vitro-modszerrel-biodiverzitas-megorzeseert>



Source: hirek.unideb.hu





International biochemistry course at UD



Debrecen University has joined a prestigious international scientific training program. The institution organized the 2025 Redox Chemistry/Biochemistry Postgraduate Summer Course for the first time this year. During the five-day conference, twenty-one internationally renowned researchers in the field gave presentations, and the most outstanding PhD students from partner institutions presented their research.



The opening lecture of the 2025 Redox Chemistry/Biochemistry Postgraduate Summer Course was given by Elias Arnér, Director of Karolinska Institutet Cancer Research KI, on June 10 at the Learning Center, entitled Selenium and selenoproteins in human health and disease. The biochemist is a member of the Scientific and Social Advisory Board (TTTT) supporting the work of the Chairman of the Board of Trustees of the Gróf Tisza István Debrecen University Foundation, as well as the head of the Selenoprotein Research Group at the National Institute of Oncology.



This year, the University of Debrecen, in collaboration with the National Institute of Oncology (OOI), joined the ranks of institutions organizing the Redox Chemistry/Biochemistry Postgraduate Summer Course for the first time, working with prestigious partners such as the University of Nebraska-Lincoln (UNL - USA), the Medical University of South Carolina (MUSC - USA), and the Karolinska Institutet (KI) in Sweden. The members of the scientific committee were Danyelle Townsend (MUSC), Kenneth D. Tew (MUSC), Oleh Khalimonchuk (UNL), Elias Arnér (KI), Éva Dóka (OOI) and Péter Nagy (DE).

As part of the course, the SFRR-E Young Researchers' Day conference was held in Mád, at the Mád Wine Academy, and a poster session was held at the Kenézy Villa.

The event was supported by the Ministry of Culture and Innovation's National Research, Development and Innovation Fund and financed by the MEC_24 grant program under project number MEC_SZ 149205.

The full article can be read at the following link:

<https://hirek.unideb.hu/nemzetkozi-biokemiai-kurzus-debreceni-egyetemen>

Source: hirek.unideb.hu





The University of Debrecen develops innovative bakery products through collaboration



Crispy rolls, fragrant white, brown, semi-brown, rye, durum, or even whole grain bread, with sourdough at its heart. The aim of the research program, launched by a consortium of the Faculty of Agricultural and Food Sciences and Environmental Management at the University of Debrecen and Balmaz-Sütöde Kft., is to develop a range of healthy baked goods based on innovative sourdough technology. Experts reported on the details of the three-year project at a press conference.

The project involves a detailed examination of the microbiome of wild sourdough, as well as the qualitative and quantitative identification of yeast and bacterial species by researchers.



The program is part of the Innovative Sourdough: Microbiome, Technology and Development of Health-Promoting Bakery Products, number 2024-1.1.1-KKV_FÓKUSZ-2024-00040, announced by the National Research, Development and Innovation Office.



As part of the three-year program, research will be conducted at the newly established laboratory of Balmaz-Sütöde Kft. in addition to the research units of the Faculty of Agricultural and Food Sciences and Environmental Management (FAFSEM) at the University of Debrecen. Nearly twenty researchers from the Faculty of Agriculture are participating in the scientific work.



The full article can be read at the following link:
<https://hirek.unideb.hu/egyuttmukodesben-fejleszt-innovativ-pektermekeket-debreceeni-egyetem>

Source: hirek.unideb.hu





Engineering oath at the Faculty of Agriculture in Debrecen

At the Faculty of Agricultural and Food Sciences and Environmental Management of the University of Debrecen, 147 students fulfilled the requirements for obtaining a degree in bachelor's and master's programs, higher education vocational training, and specialized further education. The graduates took their oaths and received their diplomas in a ceremony held in the Main Building's Ceremonial Courtyard on Saturday, June 21, 2025.



Of the graduating students, nineteen received honors, twenty-four received excellent, twenty-seven received good, sixty-six received satisfactory, and nine received average diplomas. Following the final

exams of the spring semester of the 2024/2025 academic year, the unanimous opinion of the invited members of the committees was that the engineering candidates have a thorough knowledge of the labor market.

Nándor Fodor, scientific advisor and head of the Agricultural Institute of the HUN-REN Hungarian Research Network Agricultural Science Research Center, was awarded the title of honorary university professor.



The Council of the Faculty of Agricultural and Food Sciences and Environmental Management at the University of Debrecen awarded the title of honorary associate

professor to Szabolcs Szigeti, Deputy State Secretary for the Implementation of the Common Agricultural Policy at the Ministry of Agriculture.



Noémi Hajdu, a master's student in environmental engineering, received the title of Outstanding Student of the University of Debrecen.



This year's Outstanding OTDK Supervisor Award was presented to Professor István Komlósi, head of the Doctoral School of Animal Sciences.

The full article can be read at the following link:

<https://hirek.unideb.hu/index.php/mernoki-esku-debreceeni-agrarkaron>



Source: hirek.unideb.hu





Fishing instructors with university degrees

The first graduates of the fishing instructor training program jointly launched by the Faculty of Agricultural and Food Sciences and Environmental Management at the University of Debrecen and the Hungarian University of Life Sciences have completed their exams. Twenty students passed the final exam of the course, which was developed in close cooperation with the Hungarian National Fishing Association.

The three-semester fishing instructor training program, unique in Europe, was launched in the spring of 2024 by the University of Debrecen and MATE with the aim of training fishing instructors and fishing experts so that the fishing management of state-owned water areas managed by the Hungarian National Fishing Association (MOHOSZ) would be based on solid professional foundations in the future.

The faculty head emphasized that the next academic year, starting in February 2026, will welcome applications from professionals working in the fields of fishing, fish management, water treatment, water utilization, or nature conservation who have professional qualifications and wish to acquire further knowledge in their field.

The full article can be read at the following link: <https://hirek.unideb.hu/horgaszvezetok-egyetemi-szakiranyu-vegzettseggel>

Source: hirek.unideb.hu





Chinese education and research ties continue to strengthen



At the end of May, a delegation from the University of Debrecen participated in the China (Ningbo) – Central and Eastern European Countries Cooperation Forum and signed strategic cooperation agreements with leading Chinese institutions. The visit by Károly Pető, Vice-Rector General, and László Stündl, Dean of the Faculty of Agriculture, lays the foundation for a long-term scientific and educational partnership with Zhejiang Wanli University and Zhejiang Pharmaceutical University.

During the visit, the University of Debrecen played a prominent role in the 9th China (Ningbo) – Central and Eastern European Countries Education Cooperation Forum. Two cooperation agreements were also signed during the trip with Zhejiang Wanli University and Zhejiang Pharmaceutical University, laying the foundation for a long-term scientific and educational partnership.



Negotiations with the leaders of Zhejiang Wanli University, covered topics such as student and teacher mobility, joint agricultural technology and environmental management projects, the launch of a dual MSc program, and the possibility of creating a joint research infrastructure.



László Stündl, Dean of the Faculty of Agricultural and Food Sciences and Environmental Management, also paid a professional visit to the Ninghai Aquaculture Research Institute (NIMBSI), where he learned about fish farming research and development activities, creating opportunities for new joint scientific initiatives.

The visit strengthened the strategic objectives of the University of Debrecen towards the Asian region and further expanded the scope of cross-border scientific and educational cooperation. The Chinese partners also expressed a clear intention to deepen relations, with both sides planning a return visit to Debrecen in the spring of 2026 to prepare and launch joint programs.



The full article can be read at the following link:

<https://hirek.unideb.hu/tovabb-erosodnek-kinai-oktatasi-es-kutatasi-kapcsolatok>

Source: hirek.unideb.hu





American double degree at the University of Debrecen

The cooperation agreement between the University of Debrecen and South Dakota State University marks a new era in the history of the University of Debrecen, said Zoltán Szilvássy, Rector of the University of Debrecen, at the signing of the partnership agreement. In addition to the rector of South Dakota State University, the temporary chargé d'affaires of the United States Embassy also participated in the signing of the agreement of a dual degree program.

The Faculty of Agricultural and Food Sciences and Environmental Management (FAFSEM) at the University of Debrecen launched a bachelor's degree program in precision agricultural engineering in 2023, which is unique not only in Hungary but also in Europe. The program is unique in that it is based entirely on precision agricultural technologies. The program is accredited in both Hungarian and English.

Under an agreement between UD and South Dakota State University, students enrolled in the precision agriculture engineering program at FAFSEM begin and complete the first three semesters of their studies in Debrecen, where they follow a study program organized jointly by the University of Debrecen and SDSU.

In the fourth and fifth semesters, students can continue their studies online or in person at the SDSU Brookings campus in the American education system. In the sixth and seventh semesters, DE students return to the Böszörményi street campus and complete their BSc in Precision Agricultural Engineering and the requirements for the SDSU B.S. degree in Precision Agriculture.

The full article can be read at the following link:

<https://hirek.unideb.hu/amerikai-kettos-diploma-debreceni-egyetemen>

Source: hirek.unideb.hu



University of Debrecen, Faculty of Agricultural and Food Sciences and Environmental Management, InfoMÉK, 2025





Another American partnership is forming



Nebraska Secretary of State Robert Evnen discussed opportunities for scientific and educational cooperation at the University of Debrecen. The meeting focused primarily on joint research in agriculture and health sciences.

Robert Evnen arrived at the University of Debrecen accompanied by Sidonia N. Morales, Honorary Consul of Hungary in Indiana, and Béla Kocsy, Agricultural and Food

Industry Specialist at the Embassy in Washington. The delegation was welcomed by Rector Zoltán Szilvássy, Endre Harsányi, Vice Rector for Agricultural and Food Science Development, and Oksana Kiszil, Director of Coordination and Strategy.

As the economy of Nebraska, located in the central United States, is based on agriculture and animal husbandry, Robert Evnen is primarily seeking opportunities for cooperation in these areas between the capital, Lincoln's research-oriented institution, the University of Nebraska-Lincoln, and the University of Debrecen. Founded in 1869, the University of Nebraska-Lincoln is one of the nation's leading research universities.

The introductory meeting covered topics such as the agricultural, health and food science research conducted by the University of Nebraska-Lincoln and the University of Debrecen, as well as the related infrastructure.

At the end of the meeting, the parties agreed to continue the negotiations.



The full article can be read at the following link:

<https://hirek.unideb.hu/node/25209>

Source: hirek.unideb.hu





Back to alma mater – fisheries engineers at UD FAFSEM

The Faculty of Agricultural and Food Sciences and Environmental Management (FAFSEM) of the University of Debrecen (UD) organized a meeting of professionals and alumni with the intention of creating a tradition. Nearly sixty former students of the Fisheries and Fish Management Engineering Department met and relived their memories related to their studies at the Böszörményi street campus. The new training program for the fisheries specialist further education was also presented at the event.

UD FAFSEM has significant traditions in the field of education and research related to fisheries and fish management. The professional meeting commemorated the school founder, László Pócsi, former associate professor of the Department of Animal Husbandry of UD.

Among the graduates was Ferenc Lévai Jr., an employee of Aranyponty Zrt. The Deputy Director of the European-Asian Business Pond Farming Cooperation: Hungarian Fisheries Developments in Laos gave a presentation, György Hoitsy, owner-manager of the Lillafüred Trout Farm, presented the current situation and future vision of domestic trout farming, Nándor Puskás, Managing Director of Biharugrai Halgazdaság Kft., presented the complex innovation needs of the extensive pond farming sector, while Máté Katics, CEO of Czikkhalas Kft., presented the changes in fish production technologies in fish ponds.



The full article can be read at the following link:

<https://hirek.unideb.hu/vissza-az-alma-materbe-halaszati-szakmernokok-de-mek-en>

Source: hirek.unideb.hu





Our students at the Hortobágy Bird Hospital

As part of the course entitled Agricultural Regulation and Administration, a group of third-year foreign agricultural engineering students made a professional visit to the Hortobágy Bird Hospital, organized by instructor Dr. Péter Szilágyi Bay.

During the professional study trip, the students gained an insight into the practical rescue of protected birds, and learned about the legal environment in which an animal hospital and the bird park and museum operating alongside it can be operated.



The small group was welcomed by Dr. János Déri, director of the Hortobágy Bird Hospital, who presented in detail how Hungary's largest civil network of approximately 91 bird rescue stations works. The professional day was also supplemented by an unexpected surgery, because a hedgehog that had suffered an accident had to be operated on urgently, which the students were able to see up close.

Source: [facebook.com/DEMEK.fb](https://www.facebook.com/DEMEK.fb)



Arboretum visit in Püspökladány

Within the framework of the “Agroforestry and Biomass Production” class, students of the Institute of Forestry of the University of Sopron paid a professional visit to the Püspökladány Experimental Station and Arboretum, organized by the Faculty’s Institute of Water and Environmental Management.

The walk in the arboretum enriched the students with a lot of useful information.

Source: [facebook.com/DEMEK.fb](https://www.facebook.com/DEMEK.fb)



Summer is finally here, and it's ice cream time!!

Within the framework of the confectionery technology practice, our lecturers Dr. Szintia Jevcsák and Dr. Réka Tóth, assistant professors, made ice cream with our food engineering students, ice-cream cone and croquant as a decoration.

Of course, the final result could be tasted.

Source: [facebook.com/DEMEK.fb](https://www.facebook.com/DEMEK.fb)





An unusual ecotourism lesson

As part of the ecotourism course, third-year conservation engineering BSc students traveled to Lake Tisza, where they visited two nature trails in a floodplain forest. Accompanied by assistant professor László Kövér and ornithologist Máté Tóth.

During the tour, the students of the Faculty learned about the natural values of the region and the two educational trails from a professional perspective. While the 'Tiszavirág educational trail' presented the life cycle of the mayfly, a Hungarian plant, the 'Pákász educational trail' brought one of the crafts of the past, the bog lifestyle of the pákász, closer to home. The weather was favorable to the team, so there was also the opportunity to go boating on Lake Göbe.



Source: facebook.com/DEMEK.fb



Follow us, follow FAFSEM!





Factory visit in Derecske

We traveled to Derecske with horticultural engineering students, where we visited the apple orchard of Bold Agro Kft. The company group is engaged in fruit production (apples, sour cherries) on 120 hectares, and the orchard also has a sorting and packaging line and a cold storage equipped with ULO technology.

The students of the Faculty were enriched with a lot of valuable information about apple production technology and the process of making it into a commodity.

Source: [facebook.com/DEMEK.fb](https://www.facebook.com/DEMEK.fb)





Our students at KITE Ltd.

Agricultural engineering, precision agricultural engineering, and international agricultural engineering students visited the Nádudvar site of KITE Zrt. as part of their internship.



The Faculty students listened to several interesting lectures, and then participated in a field demonstration, where they were introduced to various spraying and recording drones, as well as micro-irrigation technologies.



Source: facebook.com/DEMEK.fb



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Visit to the Balásházy János Vocational Technical School, High School and Dormitory of the University of Debrecen

The 11th and 12th grade female students, accompanied by their accompanying teacher (Dr. Tünde Kaprinyák), made a professional visit to the Institute of Food Science of the University of Debrecen on the occasion of Girls' Day. The girls were greeted on behalf of the University by Prof. Dr. Szilvia Veres, University Professor and Deputy Dean. Then, after getting dressed in sterile clothes, the question What is

Pöf(f)eteg, but not mushroom? was answered. While making the pöfeteg cake, the students were given a tour of the Institute's meat factory, the dairy processing plant, the mill and pasta plant, and finally the vegetable and fruit processing plant. During the many interesting sights, the cake was also made, which the students received as a gift.

Source: facebook.com/DEMEK.fb





Professional visits

On April 16, 2025, 4th year agricultural engineering students visited the Seed and Propagation Material Supervision Department in Debrecen, organized by the Faculty's Institute of Plant Production, Breeding and Plant Technology.

Head of Department Imre Magyar gave a presentation on the organizational structure, the seed production process and related field tasks.



Supervisor Gabriella Kovács gave a meaningful information on the seed production technology of cereals, the most important legal regulations



and laboratory tests and requirements. During their stay there, the students viewed the tools necessary for sampling and the germination of various agricultural crops.

On 15.04.2025, we made a professional visit to the Debrecen site of Axiál Ltd. with 5th year agricultural engineering students as part of a field training. The rainy weather did not stop

us from getting acquainted with the latest techniques and technologies used in crop production.



Source: facebook.com/DEMEK.f





"Aquaponics, or the Art of Soil-Free Plant Cultivation" – A Lecture at Tóth Árpád Secondary School in Debrecen

Dr. Judit Éva Lelesz, research associate at the Faculty of Agricultural and Food Sciences and Environmental Management of the University of Debrecen, accepted the invitation of Tóth Árpád Secondary School and gave an educational lecture on aquaponics—an exciting form of plant cultivation—during the school's Sustainability Theme Week.

The lecture took place in a very positive atmosphere, with students asking several curious and insightful questions related to the topic.

Source: facebook.com/DEMEK.fb





Soil science experience day with students from Baross László Secondary School in Mátészalka

In May, students from ÉASzC Baross László Agricultural Technical School Vocational School and Dormitory in Mátészalka, led by Nikoletta Szabó, visited the Institute of Agrochemistry and Soil Science of the Faculty of Agricultural and Food Sciences and Environmental Management.

The aim of the professional day was for the students to gain more detailed knowledge about the importance of soil health and maintenance, as well as to gain practical experience in the methodology of soil testing.

The students carried out soil physical and soil chemical measurements themselves in the student laboratory of our Institute, among other things.

Source: facebook.com/DEMEK.fb



Professional cooperation for future agricultural professionals

The Faculty of Agricultural and Food Sciences and Environmental Management of UD has an active partnership with Széchenyi István Agricultural and Food Industry Technical School, Vocational Training School and Dormitory of the ÉASzC in Hajdúböszörmény.

On April 2, 2025, Associate Professor Dr. Antal Nagy, head of the Faculty's Plant Protection Institute, arrived at the high school with illustrative materials compiled by the institute's staff to support the specialization in plant production.



Specimens of weeds, damage symptoms, and plant disease samples supporting the teaching of the subject *Plant Protection* in agricultural secondary education were ceremoniously received by Director Attila Károly Kovács and instructor Ágnes Inczéné Konyári, a graduate of the Faculty in 2007 as a certified agricultural engineer and teacher.

The shared goal of the two institutions is to further strengthen professional cooperation, promote agricultural careers, and support students on their path to higher education—particularly toward the agricultural programs of the Faculty.



Source: facebook.com/DEMEK.fb





Sustainability Week

On April 8, 2025, staff members of the Institute of Plant Protection at UD FAFSEM gave presentations at the Arany János Primary School in Sajóvámós as part of the national Sustainability Week. Dr. Dóra Jakab Arnóczkyné, department engineer, drew students' attention to the importance of biodiversity and pollination, while Assistant Lecturer Dr. Kálmán Szanyi spoke about environmental pollution and sustainable development.

With the involvement of PhD student Csenge Kovács, an entomology demonstration was also held, where students had the opportunity to examine common insects from their everyday environment under a microscope.



Source: facebook.com/DEMEK.fb





Szakmai Professional study trip with our horticultural engineering students to two ornamental plant nurseries in Hajdúböszörmény



During their visit to the horticultural sites of Sóvágó Bt. and Margaréta-Kert Ltd., students had the opportunity to become familiar with various species and cultivation techniques

of annuals, biennials, and balcony ornamentals grown in foil-covered growing facilities.

Throughout this highly informative day, students

also encountered a wide range of herbaceous and woody perennial shrubs suitable for open-field cultivation, as well as different ornamental trees.

Source: facebook.com/DEMEK.fb



Guest lecturer from Uzbekistan

At the beginning of May, Dr. Shakhnozakhon Gaipova, Associate Professor at the Department of Food, Perfume and Cosmetic Product Technology of the Tashkent Institute of Chemical Technology, visited the Faculty.

During her stay, Professor Gaipova met with the Faculty leadership and several lecturers. She also made professional visits to multiple units, including the Institute of Food Science,

the Food Industry Innovation Centre, and the Institute of Nutrition Science. Additionally, she toured the permanent institutional history exhibition at the Agricultural Museum.

As part of her visit, she delivered an excellent professional lecture for the Faculty's students titled "*Technology of Vegetable Oil and Animal Fat Industry.*".

Source: facebook.com/DEMEK.fb





Successes in the Agricultural Sciences Section of OTDK



27 students from the University of Debrecen presented their thesis at the Agricultural Sciences Section of the 37th National Scientific Student Association Conference. At the conference held at the Csikszereda Faculty of the Sapiientia Hungarian University of Transylvania, 21 professional presentations by DE students were awarded or recognized with special awards.

The full article can be read at the following link::

<https://hirek.unideb.hu/index.php/sikerek-otdk-agrartudomanyi-szekciojaban>

Almost 300 thesis were submitted to the Agricultural Sciences Section of the 37th National Scientific Student Association Conference, which were presented in 28 professional sections by the most talented student association students from Hungarian and foreign higher education institutions preparing for an agricultural career. In the end, 244 papers were presented at the conference held between April 23-26.

The Faculty of Agricultural and Food Sciences and Environmental Management (FAFSEM) of the University of Debrecen (UD) was represented by 24 students. At the conference, two students from the faculty won first place, three second place, three third place and nine received special awards.

Source: hirek.unideb.hu; facebook.com/DEMEK.fb





The Faculty of Agriculture Honoured Its Founding Professor

The challenges facing agriculture can only be solved through a strong connection between science and practice – this was emphasized at the scientific meeting titled “Challenges and Solutions in Arable Crop Production”, organized by the Faculty of Agricultural and Food Sciences and Environmental Management at the University of Debrecen.

At the event, Professor Péter Pepó, Chair of the Doctoral Council of Agricultural Sciences at the University of Debrecen, was celebrated on the occasion of his 70th birthday.

In his address, Dean László Stündl highlighted Professor Pepó’s outstanding contributions to education and research, stating that both the Faculty and the Doctoral Council continue to count on his work. As a mark of appreciation for his significant service in developing and broadening the Faculty’s academic and scientific activities, the Medal of Honour of the Faculty was awarded to him.

The Rector of the Hungarian University of Agriculture and Life Sciences (MATE) emphasized Professor Pepó’s commitment to science communication and recognized his decades-long scientific activity in service of Hungarian agriculture, higher education, and rural development. In recognition, MATE awarded him an Honorary Certificate and a Medal of Distinction adorned with a laurel wreath.

The full article is available at the following link:

<https://hirek.unideb.hu/iskolateremto-professzor-at-koszontotte-az-agrarkar>



Source: hirek.unideb.hu





MTA doctoral awards

Prof. Dr. Béla Róbert Kovács, university professor, head of the Institute of Food Science of the Faculty of Agricultural and Food Sciences and Environmental Management of the University of Debrecen, successfully defended his MTA doctoral dissertation entitled "Investigation of molybdenum and selenium in nutrient solution-plant and soil-plant systems" submitted to the IV. Department of Agricultural Sciences of the Hungarian Academy of Sciences on March 26, 2025.



Dr. Tibor József Novák, associate professor, employee of the Institute of Agrochemistry and Soil Science of the Faculty of Agricultural and Food Sciences and Environmental Management of the University of Debrecen, successfully defended his MTA doctoral dissertation entitled "The impact of landscape changes on the anthropization processes of soils in Hungary" submitted to the X. Department of Earth Sciences of the Hungarian Academy of Sciences on June 26, 2025.





Project of the Year 2024

We are delighted to announce that our Visegrad Grant project WATER RENOVATION IN UKRAINE, managed by our Faculty, has won the prestigious title of Project of the Year 2024 in the international final!

International Visegrad Fund. The ceremony was attended by the President of the Republic of Slovakia, the Hungarian Minister of Foreign Affairs and Trade, the Slovak Minister for Foreign Affairs and European Affairs, the Czech Minister of Foreign Affairs, and the Polish Deputy Minister of Foreign Affairs.

One outstanding project from each of the V4 countries was nominated for the international final. It is a great honour that the award was finally given to the extremely topical project entitled Restarting Ukraine's Water Management, implemented by the Faculty of Agricultural and Food Sciences and Environmental Management of the University of Debrecen in cooperation with partner universities. The award was received by Dr. Elza Kovács, associate professor and professional leader of the project, on behalf of our Faculty.



The Project of the Year award was presented in Bratislava during a gala evening celebrating the 25th anniversary of the establishment of the

Source: facebook.com/DEMEK.fb





Our research students are the winners of ICYS 2025!!

The success story of our high school research students Balázs Kristóf and Dóra Százvai continued. At the 31st ICYS International Conference for Young Researchers, held in Rayong, Thailand from 6 to 10 April 2025, students from Kisvárda Bessenyei György Gymnasium and Dormitory achieved a podium finish with the presentation of their research results mentored by our Faculty..

Balázs Kristóf 11th grade – Bronze medal

Topic: Phosphorus biorefinery from eutrophic water: A circular farming approach. Mentor: Dr. Tarek Alshaal, senior research fellow

Dóra Százvai 11th grade – Gold medal and 1st place in the poster section



Source: facebook.com/DEMEK.fb

Topic: Investigation of the applicability of various plant extracts derived from sustainable green biorefinery technology in microalgae cultivation. Mentor: Dr. Nóra Bákonyi, associate professor

The teachers of the Bessenyei György High School in Kisvárda took on an outstanding role in preparing the young researchers: Dr. Konczné, Dr. Katalin Jámbrik, Dr. Gábor Koncz and Erika Balázs.





European Symposium Student Travel Scholarship Award

Maha Rockaya, a PhD student at the Faculty's Institute of Nutrition, was awarded the European Symposium Student Travel Scholarship Award, which gave her the opportunity to attend the European Symposium on Food Safety, organized by the International Organization for Food Safety (IAFP).

She gave a successful presentation at the international event held in Madrid from 6 to 8 May 2025.

Source: facebook.com/DEMEK.fb



Ministerial award for our Faculty Professor!

Prof. Dr. József Prokisch, a university professor at our Faculty, received the János Nagyváthy Award, awarded by the Ministry of Agriculture, on May 30, 2025, in recognition of his outstanding educational and research activities at both domestic and international universities.

Source: facebook.com/DEMEK.fb





In the finals of the conference of scientific student conference!

The XXV Carpathian Basin Conference of the XXV Scientific Student Conference was held between March 28-29, 2025, at Bessenyei György High School in Kisvárd, where 97 presentations competed in a total of 14 sections.



With the support of the KRÉMK research group of UD MÉK, three talented students, while with the supervision of the Institute of Applied Plant Biology, two reached the finals and achieved outstanding results.

- Péter Farkas 11th grade – 1st place: Topic: The spread of antibiotic resistance in the intensive care unit - In the footsteps of microbes
- Dóra Sebők 10th grade – Special Prize: Topic: Antibiotic resistance in poultry flocks: food chain safety and public health risks
- udit Kosztyi 12th grade – Grand Prize: Topic: Forecasting apple tree diseases with microbiome-based risk assessment
- Dóra Százvai 11th grade – Grand Prize: Topic: Investigating the applicability of different plant extracts from sustainable green biorefinery technology in microalgae cultivation
- Balázs Kristóf 11th grade – 1st place: Topic: Phosphorus biorefinery from eutrophic water: A circular farming approach.

The work of the young researchers was supervised and assisted by Dr Melinda Pahlcsek, assistant professor of the Faculty, and Maja Mikolás and Zsombor Szőke, departmental engineers, as well as Dr. Nóra Bákonyi, associate professor, and Tarek Alshaal, senior research fellow.



On behalf of the high school, Dr. Katalin Jámbrik, Dr. Gábor Koncz, and Erika Balázs played an outstanding role in the preparation.



With their results in the international final, the students earned valuable additional points for admission to higher education.

Source: facebook.com/DEMEK.fb



Healthy and delicious – innovative meat products at the University of Debrecen

Immune-boosting Bavarian sausage, antioxidant-enriched, protein-rich Debrecen, prebiotic chicken and turkey breast ham and functional Black Forest ham – among others, these new, health-protecting meat products were developed in the joint research and development program of the Faculty of Agricultural and Food Sciences and Environmental Management of the University of Debrecen and Gulyás János és Társa Kft. The experts reported on the results of the two-year project at a closing event.



During their research, the experts examined, among other things, the physical and chemical parameters of protein and fiber sources – including chickpeas, lentils, lupine, amaranth, chia seeds – and the chemical and biochemical properties of the active ingredients used. During the two-year program, new



technologies were developed that ensure the increased biological value and excellent quality of the products, preserve the activity of the bioactive components used and ensure their stability.

In addition to product development, the project also aimed to develop new procedures, analytical techniques, reliable and sensitive testing methods that are suitable for standardizing the unique composition of innovative meat products, as well as for constant, real-time and non-destructive testing of quality and processing processes.



During the project, researchers from the University of Debrecen presented their results at several domestic and international conferences and in scientific publications.

The joint project of DE MÉK and Gulyás János és Társa Kft. entitled “Development of age-specific, reduced-fat, fiber-rich and protein-rich meat products” with the identification number GINOP_PLUSZ-2.1.1-21-2022-00241 was implemented with the support of the framework program “Encouraging corporate research, development and innovation activities”.

The full article can be read at the following link::

<https://hirek.unideb.hu/egeszseges-es-finom-innovativ-hustermekek-debreceeni-egyetemen>

Source: hirek.unideb.hu



Another success

The best innovation ideas were supported by Prof. Dr. Péter Nagy, professor and chairman of the Scientific and Social Advisory Board of the Gróf Tisza István Foundation for the University of Debrecen, which maintains the institution.



Nine talented researchers presented their innovative projects in the finals of the scientific competition for GTIDEA Excellence PhD Scholarships, from which the professional jury selected the most outstanding solutions.

It is a great pleasure for us that Zsombor Szőke and Maja Mikolás, department engineers from the Center for Complex Systems and Microbiome Innovations of the UD MÉK, finished second and third in the competition.

Further information: <https://hirek.unideb.hu/az-innovacio-diadala-szigetben>

Source: facebook.com/DEMEK.fb





At a top university with the Pannonia Scholarship Program

Zsombor Szőke, a departmental engineer and PhD student at the Faculty's Center for Complex Systems and Microbiome Innovations (DE Doctoral School of Nutrition and Food Sciences), will be able to conduct his research and part of his doctoral training at Wageningen University, a world leader in agricultural sciences, through the Excellence Program announced within the framework of the Pannónia Scholarship Program.

The student received his sponsorship contract on Monday from Prof. Dr. László Csernoch, Vice-Rector for Science, and Orsolya Jánosy, Head of the International Office, along with four other winning doctoral students of our University.

Source: facebook.com/DEMEK.fb

Further information: https://hirek.unideb.hu/top-egyetemen-pannonia-osztondijprogrammal?fbclid=IwY2xjawKhAdxleHRuA2FlbQlxMABicmlkETBTskF0a0FHNXJnR3dCc0tEAR6pDZKxYCI-yGx15kDuKtL1O757q8HtsBxBEaZAMEw96cwqt8TbAe4qqugDqg_aem_bfiom3ROC1r8Zz7gy_f0qA





Winning applications at FAFSEM: (source: pnyr.unideb.hu)

TITLE OF APPLICATION	CODE	PROFESSIONAL LEADER	MANAGING ORGANIZATION
Targeted selection, biotechnological, biochemical and histochemical development of Italian reed (<i>Arundo donax L.</i>) genotypes	2025-3.1.1-ED-2025-00010	Veres Szilvia	Institute of Applied Plant Biology

Jubilee Sárgulás – an unforgettable farewell to the university



Keeping up with the half-century tradition, the final year students of Faculty of Agricultural and Food Sciences and Environmental Management and the Faculty of Economics and Business Administration marched through the city in horse-drawn carriages, saying goodbye to the University of Debrecen with a joint dance and horse-drawn carriage show. At this year’s 50th Sárgulás, the students also took the heads of the faculties and the university to dance. Approximately 550 students will graduate from the Faculty of Economics and FAFSEM this spring, and the traditional Sárgulás event series was dedicated to them and them in the first week of May at Böszörményi street campus of UD. 450 people dressed up in costumes and boarded carriages to say goodbye to the city and the university before the upcoming final exams.



The full article can be read at the link below:

<https://hirek.unideb.hu/jubileumi-sargulas-felejthetetlen-bucusu-az-egyetemtől>

Source: hirek.unideb.hu





Jubilee Sárgulás – In photos



Farmer Expo: animal health in focus



Livestock presentations, technical innovations, professional forums on the most current issues. The Farmer Expo will be held for the 34th time between August 28-30. The international agricultural and food industry trade fair, as well as the Hortico Vegetable-Fruit-Horticulture Trade Fair, will once again be hosted by the Bőszörményi street campus of the University of Debrecen.

The University of Debrecen is not only hosting the event, but also organizing

several conferences at the trade fair. At the professional events, in addition to the most current issues in agriculture, DE experts will also present the latest research results and the latest technological processes.

The trade fair will once again offer a rich program this year – livestock presentations, machine presentations and technical innovations, professional forums on animal husbandry and crop production, roundtable discussions, and interactive programs – at the Bőszörményi street campus of the University of Debrecen.



The full article can be read at the this link:

<https://hirek.unideb.hu/index.php/farmer-expo-fokuszban-az-allategeszsegugy>

Source: hirek.unideb.hu



The host of the American program Higher Education Today, filmed at the University of Debrecen's MÉK

In the spirit of joint cooperation with the United States, the Faculty of Agricultural and Food Sciences and Environmental Management of the University of Debrecen was visited by Steven Roy Goodman, founder and host of the program "Higher Education Today" broadcast in Washington, who recorded the latest episode at the Böszörményi str Campus with the participation of the faculty of agriculture. The program presents the agricultural education of the University of Debrecen and the importance of precision agriculture in the form of a two-part panel discussion.



The episode is available at the following link:

<https://www.youtube.com/watch?v=AWrDSsSRDc>



In the first part of the episode, Dr. Csaba Bojtor and Dr. Árpád Illés, assistant professors, and Dr. Safwan Mohammed, scientific associate, speak about the importance of precision agriculture from the Faculty of Agricultural and Food Sciences and Environmental Management.



In the second part, Prof. Dr. Dean László Stündl, Orsolya Jánosy, Head of the DE International Office, and Ádám Hosszú, undergraduate student of precision agricultural engineering, will present the educational and research activities at UD FAFSEM, as well as the significance of the recently signed cooperation agreement with the University of South Dakota.

Source: mek.unideb.hu

The full article can be read at the following link:

<https://mek.unideb.hu/hirek/debreceni-egyetem-mek-en-forgatott-higher-education-today-amerikai-musor-hazigazdaja>

Ingó – the youngest member of the Equestrian Academy

The first foal bred by the Equestrian Academy of the University of Debrecen has been born. The little mare has been given a unique, rare name, UD Ingó.

The two-week-old foal is increasingly attracting interest from the world beyond the paddock, but of course only in the vicinity of her mother, Gidrán XXIV-121 Igaz, a foster horse. The mare, who has been spending most of her day eating, sleeping and lying down, was conceived with the help of university specialists through artificial insemination, and although Igaz carried her for four days, she was born without complications on April 14.

The four-legged vulture foal has a regular star sign on its forehead, and in addition to the

abbreviation UD referring to its origin, she was given the rare, unique name Ingó.

She is the third foal for the 18-year-old mother, who has been the property of the Equestrian Academy since 2021, the first being from Mikes P /Kohelian XIII-40/, also owned by the university. The father is also well known to the students, as he participates in the equestrian training courses of the Faculty of Agriculture.

The future of the foal may also take a similar direction, as it will stay with its mother until it is six months old, and then after weaning it will be sent to a local stud, from where it will be brought back to the Equestrian Academy when it is three years old. After being ridden, it will become a school horse.

The full article can be read at the following link:

<https://hirek.unideb.hu/ingo-lovasakademia-legifjabb-tagja>

Source: hirek.unideb.hu



On a tractor into the future

The graduating students of the Balásházy János Vocational Technical School, High School and Dormitory of the University of Debrecen bid farewell to their school and high school years in a special way with decorated tractors. True to their tradition, this year, almost a hundred students from four classes and their teachers marched from Pallag to the Böszörményi str campus.

This academic year, a hundred students of the School, financial, accounting and logistics technicians, agricultural technicians, horticultural technicians, surveying, land and geoinformatics technicians, as well as students participating in the four-year high school training, bid farewell to their high school years.



The unique farewell was the idea of former Balásházy students, who founded the 10,000 Horsepower Club, which is still an active co-organizer of the parade today. This year, for the seventh year in a row, the graduating students of UD vocational training institution have marched and bid farewell to their alma mater with their power machines.

The students of Balásházy János Vocational High School of UD ended their high school years with a cheerful show, dance and music on Böszörményi str. campus.



The full article can be read at the following link: <https://hirek.unideb.hu/traktoron-jovobe>

Source: hirek.unideb.hu

Bird ringing



On May 11, 2025, Prof. Dr. Lajos Juhász, a professor at our Faculty, held a bird ringing demonstration in the Botanical Garden of UD on the occasion of the Day of Birds and Trees - organized by the Debrecen Group of the Hungarian Ornithological and Nature Conservation Association.

Despite the unfavorable weather, many interested parties watched the capture of birds and learned more about the ringing of birds and their lifestyles up close.

During the morning, individuals of 7 species were captured (e.g.: black thrush, wood chaffinch, cherry warbler, chickadee, ringed flycatcher). Assistant professor Norbert Tóth, conservation engineer István Jakab MSc, and conservation engineer BSc students Jusstina Mészáros and Máté Szabó.

Source: facebook.com/DEMEK.fb



Girls' Day at our Faculty!



This year we joined the national Girls' Day initiative, and it was a pleasure to see so many interested, enthusiastic high school girls come to us!

During the program, the girls and their accompanying teachers participated in several exciting lectures and demonstrations, such as "What is a pöf(f)eteg, but not a mushroom?" and "Fürjek in the lab and in nature - what can we learn from them?"

Source: facebook.com/DEMEK.fb



Charity concert



On May 11, 2025, the charity concert titled "Honorary Citizens for the Organ" took place, where Prof. Dr. János Nagy, professor emeritus of our Faculty and honorary citizen of the city of Hajdúböszörmény, participated as a special guest of the event.

The more than 120-year-old Angster organ of the Bocskai Square Reformed Church is not only one of the largest, but also the most special in Hungary. Its uniqueness stems from its purity of style and beautiful tonality. The special symbiosis of technology and sound makes it a unique work of art. Its renovation is expected to be completed in 2027.

Source: facebook.com/DEMEK.fb



Community building

Taking advantage of the beautiful weather, a group of our foreign students participated in a community-building leisure program in Nagyerdő, in the heart of Debrecen, organized by our University's International Student Union (ISU of Debrecen).

Source: facebook.com/DEMEK.fb





International study trip in Slovakia – professional development, new friendships, lifelong experiences

At the end of May, several international students from our Faculty participated in a study trip to Slovakia organized within the framework of the Erasmus+ BIP (Blended Intensive Programme), hosted by the University of Prešov. The agricultural engineering students were able to travel with the support of the Pannónia Scholarship and deal with current, practice-oriented topics such as agroforestry, drone technology, plant physiology, biotechnology, as well as the world of beekeeping and medicinal plants.



The participants not only gained theoretical and practical knowledge, but also became part of a truly international community experience – through excursions, shared meals, sports and cultural programs. Our students developed relationships with fellow students from several countries (e.g. from Spain, Poland, the Czech Republic, Uzbekistan) and gained insight into the specifics of Slovak university life.

Source: facebook.com/DEMEK.fb





Professional training in Greece

The COST Foodwaste professional training course was held in Thessaloniki, Greece, between 22-24 May 2025, in which our Faculty researcher Dr. Ludman-Mihály Kata, a research associate, also participated.

The international course offered an excellent opportunity for professional communication, exchange of knowledge and experience, and network building. Participants came from all over the world, from 20 countries.

In addition to the high-quality lectures, our colleague had the opportunity to perform tasks related to the isolation of plant pathogens and the determination of resistance to fungicides. Furthermore, during the stay abroad, there was an opportunity to visit a fruit packaging plant and a salad production company.

Food loss and waste is a significant social, economic, nutritional and environmental challenge worldwide. In order to reduce this, the FoodWaStop project, supported by COST, was launched in international cooperation.



Source: [facebook.com/DEMEK.fb](https://www.facebook.com/DEMEK.fb)





Researchers from Usak University in Turkey at our Faculty

In May, renowned Turkish researchers visited Karunk within the framework of the Erasmus+ program, representing Uşak University, Faculty of Agriculture in Turkey, with the aim of exchanging scientific experiences and exploring future cooperation opportunities.

From the university delegation, Prof. Dr. Nuray Şahinler, professor of the Department of Zootechnics, gave interesting lectures on "Structure and Uses of Bee Products" and "Apilarnil and Its Areas of Use", while Associate Professor Dr. Sibel Alapala gave an interesting lecture on "Zoonoz Diseases".



Among the visitors, we were also able to welcome Associate Professor Dr. Mehmet Uğur Yıldırım, representing the Department of Field Crops, who also gave an excellent lecture on "Stress Factors in Plant Tissue Culture".

The guests also participated in a professional meeting with the leadership of our Faculty and visited several of our units (Institute of Agrochemistry and Soil Science, Institute of Plant Production, Breeding and Plant Technology, Institute of Animal Science, Biotechnology and Nature Conservation).).

Source: [facebook.com/DEMEK.fb](https://www.facebook.com/DEMEK.fb)





Pannónia Scholarship progra - Bourg en Bresse



The staff of the Institute of Nutrition of our faculty, Dr. Róbert Nagy, assistant professor, Judit Szepesi, acting expert, and Dr. Tünde Pacza, assistant professor, spent 1 week at the Bourg en Bresse campus of the Claude Bernard University of Lyon (Lyon 1), which offers food technology training, as part of the Pannónia Scholarship Program.

During their stay, our staff were able to get to know the university's advanced educational infrastructure, the vibrant student life, and build new professional relationships with the PhD students and lecturers of the host

institution.

During the visit, our colleagues presented the mobility opportunities offered by our University for local students, and they also gained insight into the research conducted in the university's microbiology and packaging technology laboratory.

Source: facebook.com/DEMEK.fb





Our nature conservationists in Gömör-Tornai karst



The first-year conservation engineering students participated in a three-day study trip to the Gömör-Tornai Karst area, organized by Dr. László Kövér, assistant professor, and Petra Paládi, Ph.D. student.

During the trip, our students learned about the natural values of the Aggtelek National Park, while they were able to meet many protected and highly protected plant and animal species up close.



Our students gathered knowledge about the mining history of the region, and also went on a tour in the Szelce Valley accompanied by the Hucul stud farm, and climbed the Esztramos Mountain. During the three days, they visited the Baradla Cave and the picturesque Jószaő settlement. The study trip also involved a day abroad, and the team hiked in the Szádelői Gorge and plateau.



In addition to the field experiences, the recognized experts of Aggtelek National Park expanded the knowledge of our students within the classroom.

Source: facebook.com/DEMEK.fb





Our PhD students in Spain

Nine PhD students from the Faculty represented the DE Kerpely Kálmán Doctoral School at the international conference “Plants 2025: From Seeds to Food Security” in Barcelona.

Two PhD students from UD FAFSEM, Erastus Masika Wasikoyo and Ssemugenze Brian, presented their research results in the form of a lecture, while Ahmed Osman, Besarta Kabashi, Ibtissem Balaout, Csaba Juhász, Ronald Kuunya, Magdoline Mustafa Ocwa Akasairi, Rabbi Hoque presented their research results in the form of a poster presentation.

By participating in the international conference, the PhD students gained valuable scientific and professional experience, which will certainly contribute to their professional advancement.



Source: facebook.com/DEMEK.fb





Our Colleges on a spring study trip

The Béla Tormay and Kálmán Kerpely College of our Faculty participated in a two-day professional study trip, during which the students gained an experiential insight into the world of intensive horticultural technologies and certain food industry processes, among others.

As the first stop of the study trip, the college students were able to learn about the modern greenhouse tomato

production of Árpád Agrár Ltd. in Szentés, and then they were able to gain an insight into the operation of Félégyházi Pékség Ltd. in Kiskunfélegyháza. At the end of the eventful day, the students took a pleasant evening walk to admire the atmospheric main square of Kecskemét and its main cultural attractions.

On the second day of the professional trip, the students

visited the Lajosmizse site of Magyar Ásványvíz Ltd., where they received a detailed picture of the extraction and bottling of mineral water, sustainable packaging solutions, and the strict system of water quality control.



During the professional study trip, the students gained a lot of experience and, last but not least, practical knowledge, which will greatly help the students in successfully preparing for subject exams.

Source: facebook.com/DEMEK.fb





Our faculty members in Turkey

Professors Adrienn Kakuszi-Széles, Csaba Juhász, and Éva Horváth from our Faculty of Land Use, Engineering, and Precision Technology visited Alanya Alaaddin Keykubat University in Turkey as guest lecturers.

Our lecturers delivered presentations as part of the Erasmus BiP “Water Resources and Sustainable Management” program and strengthened international relations.

Spource: facebook.com/DEMEK.fb





Our plant doctor students on a study trip

Master's plant medicine students at our faculty took part in a professional study trip to the Tokaj Wine Region Viticulture and Oenology Research Institute, organized by our Plant Protection Institute.

The students gained insight into the invaluable collection of varieties, which presents the Research Institute's staff with numerous plant protection challenges.

After the professional visit to the Research Institute, our students were also able to sample local sparkling wine and wine specialties courtesy of the Szedmák Wine House and Winery in Tarcal.

Source: facebook.com/DEMEK.fb





ERASMUS+ student mobility programme



Leonie Lanier and Aboudou Maelys, two food science and technology students from Claude Bernard University Lyon, are spending three months at the Institute of Nutrition Sciences at the Faculty of Agricultural and Food Sciences and Environmental Management at UD as part of the ERASMUS+ student mobility program.

During their internship, the students are conducting experiments in our institute's nutrigenetics laboratory to explore the nutritional and physiological effects of sea buckthorn and pumpkin extracts, which will serve as the basis for their thesis. They also presented their home countries to their colleagues and fellow students at one of the institute's seminars.

Source: facebook.com/DEMEK.fb





Study trip in the name of grapes and wine



Organized by our Faculty's Institute of Horticultural Science, our second-year horticultural engineering students took a field trip to Kalina Hordó Ltd.'s barrel factory in Mád, where they gained insight into modern, environmentally friendly, and sustainable barrel manufacturing processes.

As the second stop on the study trip, our students visited the Landmark Tokaj Community Infrastructure processing plant in Bodrogkiszfalud. In addition to learning about the role of community processing plants, our students gained comprehensive technological knowledge about the production of still wines and traditional sparkling wines, from harvest to bottling.

Source: [facebook.com/DEMEK.fb](https://www.facebook.com/DEMEK.fb)





CEEPUS Mobility program



On April 14, 2025, as part of the CEEPUS Mobility program, Dr. Ivana Varga, associate professor at the Faculty of Agrobiotechnical Sciences Osijek, gave a lecture at the Faculty of Agricultural and Food Sciences and Environmental Management. Faculty members and students in attended an interesting and informative lecture on industrial hemp cultivation.

Source: facebook.com/DEMEK.fb



Visiting professor from Poland



At the end of March, Prof. Dr. Malgorzata Korzeniowska, professor at the Faculty of Biotechnology and Food Sciences at the University of Wrocław, visited the Faculty.





During her stay, the professor met with the faculty's leaders and some of its lecturers, and then paid professional visits to several institutes (Institute of Food Science, Institute of Food Technology, Institute of Nutrition) and research units (Center for Agricultural Genomics and Biotechnology, Center for Complex Systems and Microbiome Innovations), and also visited the permanent exhibition on the history of our Agricultural Museum.

During her visit, she gave an excellent professional lecture to the faculty and students of the Faculty entitled "Natural meat antioxidants. How to change the negative image of meat."

Source: facebook.com/DEMEK.fb



Outgoing Staff, and Student Mobility April – June 2025

(source: DE International Office)

Participant's name		Program	Name of host institution	Place of mobility	Duration of trip	
Student Mobility						
Mezei	Vanda	Pannónia SMS	Ecole d'Ingénieurs de Purpan	France	2025.01.08 - 2025.05.16	Outgoing
Pacsuta	Benedek	Pannónia SMS	AERES University of Applied Sciences	Netherlands	2025.02.05 - 2025.05.17	
Sobh	Mawia	Pannónia SMS	Sveučilište u Zagrebu	Croatia	2025.06.01 - 2025.06.06	
Tóth	Zsombor	Pannónia SMS	AERES University of Applied Sciences	Netherlands	2025.02.05 - 2025.05.24	
Turán	Rebeka Anna	Pannónia SMS	Ecole d'Ingénieurs de Purpan	France	2025.01.08 - 2025.05.16	
Nwajei	Sunday	Erasmus+ SMT	Jihoceská Univerzita v Českých Budejovicích	Czech Republic	Spring Semester 2024/25	Incoming
Deák	Helga	Erasmus+ SMS	UNIVERSITATEA SAPIENTIA DIN MUNICIPIUL CLUJ-NAPOCA	Romania	Spring Semester 2024/25	
DUFOUR	Elise	Erasmus+ SMS	Ecole d'Ingénieurs de Purpan	France	Spring Semester 2024/25	
ÖZER	BERRAK	Erasmus+ SMS	Atatürk Üniversitesi	Türkiye	Spring Semester 2024/25	
DEMOURDJIAN	Ambre	Erasmus+ SMS	Ecole d'Ingénieurs de Purpan	France	Spring Semester 2024/25	





Kharel	Arina	Erasmus+ KA171	Tribhuvan University	Nepal	Spring Semester 2024/25	
Richard	Jade	Erasmus+ SMS	Université Claude Bernard Lyon 1	France	Spring Semester 2024/25	
Isaeva	Suliukhan	Erasmus+ KA171, Erasmus+ SMS	Tashkent Chemical Technology Institute	Uzbekistan	Spring Semester 2024/25	
Regmi	Manish	Erasmus+ KA171, Erasmus+ SMS	Tribhuvan University	Nepal	Spring Semester 2024/25	
Group Student Mobility						
Anyango	Jacqueline Elizabeth	Pannonia group study trip	Presovská Univerzita v Presove	Slovakia	2025.05.26 - 2025.05.30	Outgoing
Eliezer	Niyonkuru	Pannonia group study trip	Presovská Univerzita v Presove	Slovakia	2025.05.26 - 2025.05.30	
GACUNGA	PETER MAINA	Pannonia group study trip	Presovská Univerzita v Presove	Slovakia	2025.05.26 - 2025.05.30	
Gitau	Oloolakirr	Pannonia SMS, Pannonia group study trip	Presovská Univerzita v Presove	Slovakia	2025.05.26 - 2025.05.30	
Nzeh	Francis Arinzechukwu	Pannonia group study trip	Presovská Univerzita v Presove	Slovakia	2025.05.26 - 2025.05.30	
Ouroufi	Mohamed	Pannonia group study trip	Presovská Univerzita v Presove	Slovakia	2025.05.26 - 2025.05.30	
Sekonyela	Lesedi	Pannonia group study trip	Presovská Univerzita v Presove	Slovakia	2025.05.26 - 2025.05.30	
Lecturers, Staff						
Aszalósné Dr. Balogh	Rebeka	staff	Universitatea Babes-Bolyai din Cluj-Napoca	Romania	2025.04.07 - 2025.04.11	Outgoing
Balláné Kovács	Andrea	teacher	Yozgat Bozok Universitesi	Türkiye	2025.05.05 - 2025.05.09	
Bársony	Péter	staff	Panepistimio Patron	Greece	2025.04.05 - 2025.04.12	
Basal	Oqba	teacher	Univerzitet u Tuzli	Bosnia and Herzegovina	2025.04.15 - 2025.04.21	
Domokosné Dr. Szabolcsy	Éva	researcher		Spain	2025.06.03 - 2025.06.10	
Juhász	Evelin Kármén	conference	Sveučilište J.J. Strossmayera u Osijeku	Croatia	2025.05.31 - 2025.06.07	
Karaffa	Erzsébet	teacher	Università Politecnica delle Marche	Italy	2025.04.05 - 2025.04.13	
Klein	Renáta	teacher		Belgium	2025.06.17 - 2025.06.18	





Kovács	Zoltán	teacher	Università degli Studi di Palermo	Italy	2025.06.06 - 2025.06.15		
Erdeiné	Kremper Rita	teacher	Yozgat Bozok Universitesi	Türkiye	2025.05.05 - 2025.05.09		
Makleit	Péter	conference		Croatia	2025.06.01 - 2025.06.06		
Mohammed	Safwan	staff		Algeria			
Nagy	Róbert	researcher	Université Claude Bernard Lyon 1	France	2025.05.27 - 2025.05.31		
Novák	Tibor József	conference		Austria	2025.04.27 - 2025.05.02		
Paholcsek	Melinda	researcher		Portugal	2025.05.14 - 2025.05.16		
Posta	János	teacher		Poland	2025.04.09 - 2025.04.11		
Sipos	Péter	teacher	Università Politecnica delle Marche	Italy	2025.04.05 - 2025.04.13		
Székvolgyiné Pityi	Patrícia	staff	Università degli Studi di Foggia	Italy	2025.06.16 - 2025.06.20		
Szepesi	Judit	researcher	Université Claude Bernard Lyon 1	France	2025.05.27 - 2025.05.31		
TÓTH	BRIGITTA	staff	University of the Free State	South Africa	2025.05.05 - 2025.05.09		
Vámosiné Pacza	Tünde	kutatási	Université Claude Bernard Lyon 1	France	2025.05.27 - 2025.05.31		
Kocsisné Papp	Mariett	staff	Czech University of Life Sciences Prague	Czech Republic	2025.06.23 - 2025.06.27		
Basal	Oqba	CEEPUS	Josip Juraj Strossmayer University of Osijek	Croatia	2025.04.08 - 2025.04.14		
Basal	Oqba	CEEPUS	University of Agriculture in Krakow	Czech Republic	2025.05.19 - 2025.05.23		
Basal	Oqba	CEEPUS	University of Prešov in Prešov	Slovakia	2025.05.26 - 2025.05.30		
Alshaal	D. Tarek	CEEPUS	Matej Bel University in Banská Bystrica	Slovakia	2025.06.23 - 2025.06.29		
Elhawat	Dr. Nevien	CEEPUS	Matej Bel University in Banská Bystrica	Slovakia	2025.06.23 - 2025.06.29		
Dr hab Malgorzata Korzeniowska		CEEPUS	Wroclaw University of Environmental and Life Sciences	Poland	2025.03.24 - 2025.03.28		Incoming
Phd Jasmina Skerlic		CEEPUS	University in Prishtina with temporary seat in Kosovska Mitrovica	Serbia	2025.03.24 - 2025.03.28		
Dragana Kuzmnovic		CEEPUS	University of Belgrade	Serbia	2025.06.03 - 2025.06.30		
Gaipova	Shaknozakhon	Erasmus+ KA171	Tashkent Chemical Technology Institute	Uzbekistan	2025.05.04 - 2025.05.11		
Dets	Nadiia	Erasmus+ KA171	Odesa National University of Technology	Ukraine	2025.06.15 - 2025.06.21		
Volkova	Anastasia	Erasmus+ KA171	Odesa National University of Technology	Ukraine	2025.06.15 - 2025.06.21		
Fihurska	Liudmyla	Erasmus+ KA171	Odesa National University of Technology	Ukraine	2025.06.15 - 2025.06.21		
Olshevskia	Olga	Erasmus+ KA171	Odesa National University of Technology	Ukraine	2025.06.15 - 2025.06.21		



Scientific publications between April and June 2025

(source: filtered from IDEA Tudóstér)

1. **Sipos, M., Babicz, S., Csihon, Á.:** [The basics of Mathá-style tap pruning.](#)
Agrofórum Extra. 110, 22-24, 2025.
2. **Tóth, B.:** [Quantity does matter – the importance of microelement fertilization.](#)
Értékálló aranykorona. 25 (3), 19-21, 2025.
3. **Csihon, Á., Sipos, M.:** [The possibilities of chemical crop thinning in apple cultivation.](#)
Agrofórum Extra. 110, 26-29, 2025.
4. **Tóth, B.:** [The effect of abiotic stress factors on corn yield.](#)
Értékálló aranykorona. 25 (2), 20-22, 2025.
5. **Molnár, P. I., Bényi, B. C., Lelesz, J. É., Bársony, P., Fehér, M.:** [Investigation of the nutrient removal capacity and growth of the duckweed \(*Lemna minor*\) under different harvesting protocols in aquaponic conditions.](#)
Halászatfejlesztés. 42, 48-53, 2025.
6. **Baccouri, W., Wanjala, G., Tóth, V., Komlósi, I., Mikó, E.:** [Comprehensive Analysis of the effects of heat stress on some blood parameters in dairy cows \(Literature review\).](#)
Állatteny. takarm. 74 (1), 62-76, 2025.
7. **Hetényi, Z. L., Molnár, P. I., Bényi, B. C., Bársony, P., Fehér, M.:** [The effect of certain husbandry factors on the survival of catfish \(*Silurus glanis*\) larvae in an aquarium system.](#)
Halászatfejlesztés. 42, 9-13, 2025.
8. **Tóth, B.:** [How can we increase the biological activity and water retention capacity of our soils?.](#)
Értékálló aranykorona. 25 (4), 7-9, 2025.
9. **Csihon, Á.:** [Modern apricot cultivation.](#)
Agrofórum Extra. 110, 33-37, 2025.
10. **Tóth, B.:** [A complex approach to nutrient replenishment in autumn wheat.](#)
Értékálló aranykorona. 25 (4), 10-11, 2025.
11. **Juhász, L.:** [Kurta baing.](#)
Termész. Világa. 156 (5), 257-260, 2025.
12. **Molnár, P. I., Bényi, B. C., Fehér, M.:** [The effect of different types of nutrient supplementation on the concentration and diversity of zooplankton species under aquarium conditions.](#)
Halászatfejlesztés. 42, 192-197, 2025.
13. **Balog, K.:** [Booming black market - Closed and illegal bird markets and trade in the Middle East.](#)
Galamb és kisállat magazin. 67 (4), 12-14, 2025.
14. **Veres, A., Juhos, K., Benke, S., Papdi, E., Kocsis, I. A., Sándor, Z.:** [Experiences with the use of wool pellets in agriculture, horticulture, and forestry.](#)
Agrárágazat. 26 (6), 44-46, 2025.

Q1/D1 articles published between April and June 2025

(source: filtered from IDEA Tudóstér)

1. **Alshaal, T. A. A. I., Domokos-Szabolcsy, É., Fári, M., Veres, S., Kaszás, L., Kovács, Z., Eissa, F., Elhawat, N. A.:** [Agricultural sustainability and the challenges of selenium nanoparticles \(SeNPs\): Their role in supporting the environmental economy.](#)
Plant Stress. 16, 1-23, (article identifier: 100846), 2025.
2. Virchea, L. I., Frum, A., Georgescu, C., **Pecsenye, B., Máthé, E., Mironescu, M., Crăciunas, M. T., Totan, M., Tănăsescu, C., Gligor, F. G.:** [An Overview of the Bioactivity of Spontaneous Medicinal Plants Suitable for the Improvement of Lung Cancer Therapies.](#)
Pharmaceutics. 17 (3), 1-39, (article identifier: 336), 2025.
3. **Mohammed, E. A. H., Kovács, B., Kuunya, R., Eltayeb, O. A. M., Abbo, A. S. H., Pál, K.:** [Antibiotic Resistance in Aquaculture: challenges, Trends Analysis, and Alternative Approaches.](#)
Antibiotics. 14 (6), 1-26, (article identifier: 598), 2025.
4. Anas, M. A., Aprianto, M. A., Sapan, Y., **Almira, F. N., Aldis, R. E., Atapattu, N., Kidd, M. T., Akit, H., Montha, N.:** [Black soldier fly larvae oil downregulated gene expression related to fat metabolism of broilers fed low protein diet.](#)
Poult. Sci. 104, 1-12, (article identifier: 104831), 2025.
5. Fekete, I., Berki, I., Lajtha, K., **Béni, Á., Móricz, N., Várbíró, G., Madarász, B., Horváth, T., Juhos, K., Kotroczó, Z.:** [Changes in tree biomass and soil carbon pools of oak ecosystems along a climate gradient in a Central European region.](#)
Plant Soil. [Epub ahead of print], 1-19, (article identifier: 07540), 2025.
6. Hafez, E. M., Gao, Y., La, H., Alharbi, K., Hamada, M. M., Omara, A. E. D., **Alshaal, T. A. A. I.:** [Enhancing Rice Productivity in Wastewater-Irrigated Saline Cd-Contaminated Soils Using Microbial-Nanoparticle Synergy.](#)
Environ. Technol. Innov. (article identifier: 104253), 2025.
7. **Szabó, A., Nxumalo, G., Bódi, E., Ademola, B., Tamás, J., Nagy, A.:** [Evaluation of ground based spectral imaging for real time maize biomass monitoring.](#)
Front. Plant Sci. 16, 1-15, (article identifier: 1566305), 2025.
8. Alibrahem, W., Kharrat Helu, N., **Törös, G., Oláh, C., Prokisch, J.:** [Exploring the Analgesic Potential of L-Lysine: Molecular Mechanisms, Preclinical Evidence, and Implications for Pharmaceutical Pain Therapy.](#)
Pharmaceutics. 17 (5), 1-17, (article identifier: 666), 2025.
9. **Gangakhedkar, P., Deshpande, H. W., Törös, G., El-Ramady, H., Elsakhawy, T., Abdalla, N., Shaikh, A. M., Kovács, B., Mane, R., Prokisch, J.:** [Fermentation of Fruits and Vegetables: Bridging Traditional Wisdom and Modern Science for Food Preservation and Nutritional Value Improvements.](#)
Foods. 14 ((13)), 1-31, 2025.
10. **Elhawat, N. A., Domokos-Szabolcsy, É., Veres, S., Fári, M., Alshaal, T. A. A. I.:** [Five-year impacts of biomass crop monoculture on soil enzyme activity, nitrogen pools, and other soil health indicators.](#)



Biomass Bioenerg. 198, 1-13, (article identifier: 107856), 2025.

11. **Dobránszki, J.**, Vassileva, V., Agius, D. R., Moschou, P. N., Gallusci, P., Berger, M. M. J., **Farkas, D.**, Basso, M. F., Martinelli, F.: [Gaining insights into epigenetic memories through artificial intelligence and omics science in plants.](#)

J. Integr. Plant Biol. [Epub ahead of print], 1-30, (article identifier: 13953), 2025.

12. Alibrahem, W., **Nguyen, H. H. D.**, Kharrat Helu, N., **Tóth, F. A.**, **Nagy, P. T.**, Posta, J., **Prokisch, J.**, Oláh, C.: [Health Benefits, Applications, and Analytical Methods of Freshly Produced Allyl Isothiocyanate.](#)

Foods. 14 (4), 1-24, (article identifier: 579), 2025.

13. Alharbi, K., Gao, Y., Elatafi, E., Omara, A. E. D., Gadow, S. I., Osman, H. S., Alshaal, T.

A. A. I., Rashwan, E., Hafez, E. M.: [Phosphogypsum and biosynthesized selenium nanoparticles synergistically mitigate cadmium contamination and promote maize growth in wastewater-irrigated alkaline soil.](#)

Plant Soil. 1, 1-25, 2025.

14. Törös, G., **Béni, Á.**, **Balláné Kovács, A.**, Semsey, S., Ferroudj, A., **Prokisch, J.**: [Production of Myco-Nanomaterial Products from *Pleurotus ostreatus* \(*Agaricomycetes*\) Mushroom via Pyrolysis.](#)

Pharmaceutics. 17 (5), 1-19, (article identifier: 591), 2025.

15. **Törös, G.**, Gulyás, G., **El-Ramady, H.**, Alibrahem, W., **Muthu, A.**, **Gangakhedkar, P.**, Atieh, R., **Prokisch, J.**: [Sustainable nanotechnology strategies for modulating the human gut microbiota.](#)

International Journal of Molecular Sciences 26 (12), 1-26, (article identifier: 5433), 2025.



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