

Programme

AgroEcology

	Surname, first name		Title of the presentation	University
9:45 - 10:45	Dastan	Bamwesigye	Women's Role in Agroforestry and Food Security in Uganda	MENDELU
	Marcel	Bartoš	The influence of urban light pollution on the plant phenology	MENDELU
	Martina	Brenčíč	The Use of SEM/EDX for the Characterization of Suspended Particulate Matter	MENDELU
	Lucie	Bruckner	Grass-clipping mulch buffers soil microclimate and suppresses weeds: results from a small-plot field trial with fodder beet	MENDELU
Break				
11:00 - 11:45	Adéla	Kalkušová	More Electricity, Lower Environmental Impacts? The Efficiency Paradox in Controlled Hemp Cultivation	University of South Bohemia in České Budějovice
	Maureen Lupunga	Malesu	Assessing Smallholder Maize Farmers' Adoption Intentions of Climate-Smart Agricultural Practices in Zambia	MENDELU
	Jana	Plisková	Seasonal changes in the dynamic and quality of humic substances	MENDELU
Lunch				
12:45 - 13:45	Dariia	Rudenko	Spatial and depth-related patterns of macro- and microelements and grain-size composition in pond bottom sediments from different regions of Ukraine	National Scientific Center
	Petr	Zalesak	Predictive Equation for Wind Erodible Fraction	MENDELU
	Jana	Tomeková	Teaming up with algae: how algal based consortia helps with removal of pharmaceuticals from wastewater.	MENDELU
	Libor	Volf	Monitoring the elimination of micropollutants by wastewater treatment plants and pond environments	MENDELU

Programme

Wildlife Research

	Surname, first name		Title of the presentation	University
9:45 - 10:30	Ivo	Adam	Use of 3D Models for Predation Experiments in Nature	MENDELU
	David	Caha	Organic, sustainable and conventional apple orchards: effects on nocturnal moth diversity	MENDELU
	Klára	Foltýnová	The Potential of a School Garden as a Learning Environment for Vertebrate Biology	MENDELU
Break				
10:45 - 11:30	Eva	Navrátilová	Floristic Research of Tram Tracks as a Super-Anthropogenic Ecosystem in the Czech Republic	MENDELU
	Milan	Palík	Prescribed burning significantly reduces parasitoid wasp abundance, yet maintains family-level diversity in steppe biotopes	MENDELU
	Filip	Pavel	2025, Where are we at? Assessing the current state of checkered beetle (Coleoptera: Cleridae) knowledge in Madagascar (bionomy, systematics, biogeography)	MENDELU
Lunch				
12:30 - 13:30	Jiří	Stehno	Species composition of raptor and owl fauna and its changes depending on forest management	MENDELU
	Dominik	Stoček	Stress and wings: dispersal morphotypes modulate environmental stress in carabid beetles	MENDELU
	Izabela	Wiśniowska	The relationship between age and foraging ecology on mercury concentrations on Caspian gull (Larus cachinnans) from southern Poland.	The University of National Education Commission, Krakow (Poland)
	Kryštof	Pospíšil	Negative impact of fishing methods on trout fishing grounds	MENDELU

Programme

Animal Biology

	Surname, first name		Title of the presentation	University
9:45 - 10:45	Roman	Biro	In vitro analysis of rat primary osteoblasts after treatment with metformin, sea buckthorn berry extract and their co-administration	Constantine the Philosopher University in Nitra
	Michaela	Buřvalová	Using of PS epithelial cell line for 2D and 3D cell culture	MENDELU
	Marek	Helczman	Correlations Between Heavy Metal Contamination and Stress-Related Biomarkers in Freshwater Fish	University of Agriculture in Nitra
Break				
11:00 - 11:45	Pompidio	Chilala	Enhancing thermotolerance in fattening pigs with Moringa oleifera-derived selenium nanoparticles in Sub-Tropical climate.	MENDELU
	Nela	Jandová	Microalgal Extracts as Potential Supplements in Animal Cell Culture	MENDELU
	Noémi	Pénzes	The Effect of Cemtirestat on Viability and Gene Expression in Rat Primary Osteoblasts	Constantine the Philosopher University in Nitra
Lunch				
12:45 - 13:30	Lenka	Svobodová	Beta-Carotene as a Modulator of Oxidative Stress and Apoptotic Pathways in HepG2 Cells	MENDELU
	Martin	Šotek	Genetic variability analysis of SNPs associated with Varroa and disease resistance in Western honeybee using whole genome nanopore sequencing	MENDELU
	Petr	Vevera	Stimulation of chicken osteoblast precursor cells with biologically active phytonutrients	MENDELU

Programme

Animal Production

	Surname, first name		Title of the presentation	University
9:45 - 10:45	Nikola	Dvořáčková	The Effect of Feeding Anthocyanin-Rich Corn During the Finisher Period on the Growth Performance, Breast Muscle Fatty Acids, Blood Lipid Parameters, Intestine Morphology and Processing Yields in Broiler Chickens	MENDELU
	Petr	Hájek	The influence of feeding techniques on the reproductive performance of sows and the growth of piglets	MENDELU
	Šimon	Holík	The effect of dietary plant tannins supplementation on rumen fermentation and enteric methane production	MENDELU
	Daniela	Kacetlová	From Paddock to Performance: Monitoring Energy Expenditure and Nutritional Energy Supply in Horses	MENDELU
Break				
11:00 - 11:45	Nikola	Kovářová	Analysis of factors influencing fecal contamination of carcasses during evisceration	MENDELU
	Petr	Malý	The effect of sorghum silage in dairy diets on dietary and milk fatty acid profile and milk lipid quality indicators – preliminary results	Masaryk University
	Terezie	Mrázová	Effect of inoculant addition on the development of populations of selected microorganisms, nutritional composition and quality of sorghum silage	MENDELU
Lunch				
12:45 - 13:45	Adéla	Müllerová	Evaluation of the Efficiency of Particular Mycotoxin Adsorbents against Zearalenone and T-2 Toxin by In Vitro Methods	MENDELU
	Ivana	Musilova	Evaluation of Selected Families of Holstein Dairy Cows	MENDELU
	Daniela	Priesolová	Effect of Transport Conditions on the Quality of Fast-Growing Day-Old Chicks	MENDELU
	Jan	Sečkař	Analysis of piglet losses in free housing of sows	MENDELU

Programme

Plant Biology

	Surname, first name		Title of the presentation	University
9:45 - 10:45	Petr	Čičmanec	Regulation of heat shock proteins 70 and their role in bridging plant-environment interactions	MENDELU
	Jiří	Dudaš	Genotyping of the ABCG5 gene mutation in the T1 generation of spring barley	Palacky university Olomouc
	Ashini Dias	Mahadura	How Thistle Females Win? Reproductive Success and Granivory in Two Gynodioecious Cirsium Species	Masaryk University
	Kateřina	Malá	Role Of Expansins In Modulating Stress Resistance In Tobacco: Effects On Drought And Pathogen Response	Masaryk University
Break				
11:00 - 11:45	Alicja	Matera	The view on genetic basis of male fertility restoration in winter triticale with Pampa and Aegilops sharonensis sterilizing cytoplasm	University of Agriculture in Kraków
	Martina	Omelková	Molecular phylogeny of Anacampseros genus	MENDELU
	Klára	Panda	Nowhere to Hide: Comparing LTR Retrotransposon Dynamics in Holocentric Cyperids and Monocentric Grasses	Masaryk University
Lunch				
12:45 - 13:45	Iveta	Poláchová	Genetic and Molecular Basis of Salt Stress Tolerance in Brassica Crops	Masaryk University
	Pengxi	Wang	Constitutive Defense in Barley (Hordeum vulgare) Seeds: Screening and Identifying Cadmium-bound Compounds in Seed Exudates	MENDELU
	Drahomír	Letev	Field trial with edited barley mutation in the PIL gene	Palacký University Olomouc & Institute of Experimental Botany, Czech Academy of Sciences
	Xiang	Cai	PAW used for seed priming treatment in sage for stimulation of seed germination and early seedling growth	Comenius University Bratislava

Programme

Plant Production

	Surname, first name		Title of the presentation	University
9:45 - 10:45	Adam	Fuchsbauer	Nutritional composition and sensory assessment of non-traditional microgreens	MENDELU
	Sherwan Yassin	Hammad	Site-Specific Weed Management in Sunflower field Using UAV Multispectral Imagery and Machine Learning	Hungarian University for Agriculture and Life Sciences (MATE)
	Tomáš	Kaplánek	Optimizing Crop Protection with EO Data: A Comparative Analysis of Sentinel-2, PlanetScope, and UAV for Damage Mapping	MENDELU
	Eliška	Kůrková	Traditional Floral Foam vs. Sustainable Alternatives – Which Future Will Bloom?	University of South Bohemia in České Budějovice
Break				
11:00 - 11:45	Nino	Matcharashvili	Natural occurrence entomopathogenic fungi: Beauveria bassiana and Metharizium anizopliae from the population of Colorado Potato Beetle, Leptinotarsa decemlineata (Coleoptera: Chrysomelidae) in Georgia	MENDELU
	Karel	Niederhafner	Application of Digital Soil Mapping for Variable-Rate Fertilization	MENDELU
	Vlastislav	Řezáč	The Influence of Microorganisms on Growth of Spring Barley	MENDELU
Lunch				
12:45 - 13:45	Kateřina	Schilhabová	Precision Weed Management through Site-Specific Herbicide Applications	MENDELU
	Vojtěch	Slezák	A Case Study on Economic Benefits of Precision Weed Management in Winter Wheat	MENDELU
	Radmila	Valová	Biochar and bioaugmentation applied to soil mitigate impacts of combined stress on red fescue	MENDELU
	Nina	Veselovská	Life Cycle Assessment of starch potato production and circular economy approaches in fertilizing.	University of South Bohemia in České Budějovice

Programme

Technics and Technology & Food Technology

	Surname, first name		Title of the presentation	University
9:45 - 10:45	László	Gellai	IMPACT OF AIRFLOWS GENERATED BY AIR CONDITIONERS AND HEAT PUMPS ON AIR QUALITY	Hungarian University of Agriculture and Life Sciences
	Pavel	Chaloupský	Subterranean ecosystems under pressure: plastic pollution and its detection using Laser-Induced Breakdown Spectroscopy	Masaryk University
	David	Prokeš	Advanced Tribological Diagnostics for Preventive Vehicle Maintenance	MENDELU
Break				
11:00 - 11:45	Márton	Rátkai	Mathematical Models for a Solar Pot	Hungarian University of Agriculture and Life Sciences
	Hasna	Saadi	Modeling Environmental Drivers of PV Module Temperature and Their Effect on Electrical Output	Hungarian university of agriculture and life sciences
	Václav	Štursa	Influence of Three-Point Hitch Design and Implement Coupling Method on Mass Distribution and Acting Forces	MENDELU
Lunch				
12:45 - 13:30	Veronika Božena	Hendrychová	Yellow mealworm larvae (<i>Tenebrio molitor</i>) qualitative parameters and their modification due to processing and storage conditions	MENDELU
	Domonkos	Király	Energy Analysis of Grinding Machines	Hungarian University of Agriculture and Life Sciences
	Barbora	Odehnalová	Influence of mechanical properties of coffee beans on their quality parameters	MENDELU

Programme

Applied Chemistry and Biochemistry

	Surname, first name		Title of the presentation	University
9:45 - 10:30	Jan	Bílek	A novel route of encapsulation of phosphorylated compounds into ferritins exploiting natural P–Fe affinity	MENDELU
	Lenka	Brůhová	Optimization of diffusive gradient in thin films technique for determination of mercury in waters	MENDELU
	Anna	Hanzlíková	Ferritin-based nanoprobe for precise fluorescence-guided surgery of pancreatic cancer	MENDELU
Break				
10:45 - 11:30	Vendula	Jemelíková	Novel Zinc-Responsive Genes Regulated by MTF1	MENDELU
	Ivo	Kreml	Imaging of Uranium Mineral by Laser-Induced Breakdown Spectroscopy	Masaryk University
	Jana	Kurcová	Heterogeneous bioorthogonal Pd/ZIF nanozymes as an effective tool for precision activation of anticancer prodrugs	MENDELU
Lunch				
12:30 - 13:15	Magdaléna	Malásková	Smart Lipid Nanocarriers for Brain Delivery of Acetylcholinesterase Reactivators	MENDELU
	Ondřej	Patloka	Monitoring changes in the composition of the intestinal microbiota and specific metabolites of intestinal bacteria in relation to dietary intervention and body weight reduction in obese individuals	MENDELU
	Augustine	Siakwa	ECOTOXICOLOGICAL EVALUATION OF SAFENER AND ANTIMICROBIAL ADDITIVES IN ISOXAFLUTOLE-BASED HERBICIDE FORMULATIONS	Hungarian University of Agriculture and Life Sciences
Break				
13:30 - 14:15	Karel	Snášel	A novel chemiluminescence point-of-need prototype for rapid adiponectin detection	MENDELU
	Terezie	Šlesingrová	Transgelin-2 in Prostate Cancer: A Key Player in Tumor Progression and Chemoresistance	MENDELU
	Jan	Veselský	Addressing 16S Amplicon Bias through Mathematical Integration of Multi-Amplicon Sequencing	MENDELU