

Plant Production

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Nagy Viktor	New method of arbuscular mycorrhizal spore extraction from soil	Masaryk University
	Michutová Markéta	Powdery mildews (Erysiphales) species spectrum on plants of family Lamiaceae in the Czech Republic	MENDELU
	Skendžić Sandra	Detecting Climate Change-Induced Stress in Winter Wheat with Proximal Sensing and IoT Sensors	University of Zagreb
	Pismarović Laura	The effect of phenolic acids on reduction of herbicide use in control of invasive weed <i>Ambrosia artemisiifolia</i> L.	University of Zagreb
Break			
11:00 - 12:00	Šusliková Beáta	The use of remote sensing methods for crop sensing in precision agriculture	MENDELU
	Smolkova Barbora	Effect of Different Fertiliser Rates on Yield in Long-Term Experiment	MENDELU
	Růžička Daniel	Shift of selected soil characteristics in a no-till regime with application of compost and covercrop mixtures.	MENDELU
	Niederhafner Karel	Use optimised sampling grid in mapping soil spatial variability	MENDELU
Lunch			
13:00 - 13:45	Kriška Tomáš	The use of natural hydroabsorbent polymers in combination with mineral fertilizers in poppy cultivation in arid conditions	MENDELU
	Menoušková Karolína	Effect of agrotechnics on the technological and hygienic quality of malting barley grain	MENDELU
	Luongová Hong Phuong	Use of seaweed in food industry	MENDELU

Animal Production

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Bartoň Petr	Evaluation of selected indicators of milk composition during lactation in sheep of the Tsigai breed	MENDELU
	Sečkař Jan	Analysis of teat length in Czech Fleckvieh cattle	MENDELU
	Ndunguru Sawadi Fransisco	Amino acids regulate reproduction allocation in Japanese quail	University of Debrecen
	Slámová Kateřina	Determination of horse weight. Is the formula calculation accurate?	MENDELU
Break			
11:00 - 12:00	Langer Richard	Evaluation of meat performance based on breed affiliation using modern measurement technology	MENDELU
	Zurak Dora	Kernel physicochemical properties affect the carotenoid profile and yolk colour parameters in laying hens fed diets differing in maize hybrid	University of Zagreb
	Havlickova Kristina	Analysis of the best-performing sports ponies in dressage competitions on an international level	MENDELU
	Zuzanová Anna	Effects of milk allowance and physical structure of starter on feed intake and growth performance of Holstein calves	MENDELU
Break			
12:15 - 12:45	Buřvalová Michaela	The Influence of Polledness on Parameters of Milk Production in Czech Fleckvieh cattle	MENDELU
	Bajková Daniela	Analysis of results of performance tests of Lipizzan horses	MENDELU

Fisheries and Hydrobiology, Wildlife Research and Agroecology

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Doležal Tomáš	The presence of heavy metals in the muscle tissue of fish in two rivers in South Moravia	MENDELU
	Pfeifer Lukáš	Development of zooplankton communities in experimental mesocosms in the presence and absence of <i>Daphnia magna</i>	MENDELU
	Harabiš Lukáš	Optimization of aerobic digestion conditions of solid waste from recirculating aquaculture systems for production of liquid fertilizers	MENDELU
	Stočes Dominik	Unraveling the interplay of environmental variables, fluctuating asymmetry, and meristic traits: assessing disturbance levels across varying forest habitats	MENDELU
Break			
11:00 - 12:00	Stehno Jiří	The importance of agroforestry and woods characteristics for bird diversity in the agricultural landscapes	MENDELU
	Divišová Markéta	Occurrence and spatiotemporal activity of mammals in forest biocorridors	MENDELU
	Skopalová Gabriela	The importance of the quality of field crops during their phenological development in terms of food preferences of common vole (<i>Microtus arvalis</i>)	MENDELU
	Kopr David	The circadian activity of beetles (Insecta: Coleoptera)	MENDELU
Lunch			
13:00 - 14:00	Dzurja Jan	Museum samples as a source of information for the conservation of European wildcat	MENDELU
	Sedlák Luboš	Soil water regime in the Southern Moravian floodplain forest	MENDELU
	Bartoš Marcel	The influence of urban light pollution on plant phenology and on the diversity of vegetation	MENDELU
	Prachowski Jan	Erosion risk analysis and climate change	MENDELU
Break			
14:15 - 14:45	Straka Marek	Duckweed-Based Nitrogen Removal in Wastewater Treatment	MENDELU
	Kovaříková Ester	Design of vital additives to support food waste composting	MENDELU

Plant Biology

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Pernicová Natálie	Impact of altitude on the isotopic composition of oak tree-rings	MENDELU
	Berková Veronika	Molecular interplay between rapeseed seedlings and an endosymbiotic microbe in the early response to salinity stress	MENDELU
	Pěňčík Ondřej	A little steps towards an improvement of the photosynthesis.	MENDELU
	Matysková Tereza	Wolffia - an aquatic plant as a new model organism for the study of signaling pathways and biotechnology	MENDELU
Break			
11:00 - 12:00	Füleky Martin	Identifying abiotic stress in maize plants with the use of acoustic emission	MENDELU
	Plačková Klára	Can Laminaria and Phytophthora extracts protect the plants?	MENDELU; Masaryk University
	Javorník Tomislav	Screening Bean Genotypes for Drought Resistance using High-throughput phenotyping	University of Zagreb
	Hensel Julia	Evaluation of glutathione-depleting agents revealed that ethacrynic acid inhibits root gravitropic response in Arabidopsis	MENDELU
Lunch			
13:00 - 14:00	Shejbalová Šarlota	The role of HSP70 in response to abiotic stress in association with hormonal stimuli	MENDELU
	Smetanová Sabina	Ecological and genetic diversity of Lotus corniculatus in protected areas of South Moravia	MENDELU
	Molnárová Katarína	Perchlorate-Tolerant Microalgae: Exploring Adaptation and Resource-Efficient Cultivation for Sustainable Martian Applications	MENDELU

Animal Biology

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Reda Gebrehaweria Kidane	Nutrient sensing pathway slightly respond to daily unpredictable feed availability in Japanese quails	University of Debrecen
	Vevera Petr	Evaluation of inner environment of cows housed in different technology systems	MENDELU
	Sklenář Jiří	The effect of lactation order on selected minor components on milk in Holstein cattle	MENDELU
	Mario Shihabi	The Influence of Chromosomal Position and Sex on Inbreeding Variation in Domestic Animals	University of Zagreb
Break			
11:00 - 12:00	Skoupá Kristýna	The mechanism of muscle growth after the use of anabolic steroid hormones	MENDELU
	Majerík Behinská Katarína	Effect of cyanidin-3-O-glucoside on ovarian cancer cell line in vitro	University of Agriculture in Nitra
	Mihal Mihal'	Comparisom of effect of sea buckthorne and its flavonoid isorhamnetin on human ovarian granulosa and cancer cells in vitro	University of Agriculture in Nitra
	Balytská Olha	Pilot assessment of the effects of selected medicinal fungi on ovarian cell viability	University of Agriculture in Nitra

Techniques and Technology

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Skokan Adam	CCAM user acceptance and user engagement best practices from pilot sites: experiences, plans and lessons learned	MENDELU
	Suchý Pavel Ing.	Prospective ways of reducing the energy intensity of sludge management in wastewater treatment plants	MENDELU
	Gajdaczek Tomáš	Development of an unmanned aerial vehicle for precision agriculture	MENDELU
	Hirschová Linda	Monitoring of selected sewage sludge parameters	MENDELU
Break			
11:00 - 12:00	Kotásková Michaela	Presence of toxic metals in soils around the landfill	MENDELU
	Pernica Jakub	Effect of heat treatment on the mechanical properties of multi-material 3D printing	MENDELU
	Brandić Ivan	Development of new nonlinear mathematical models for modelling the higher heating value of biomass	University of Zagreb
	Henzl Radovan	Surface treatment options for 3D printed materials	MENDELU
Break			
12:15 - 12:45	Kováč Adam	Effect of addition of insect raw material on selected properties of meat products	MENDELU
	Krtilová Kateřina	3D printing of soy proteins-based matrices with insect proteins supplement	MENDELU

Applied Chemistry and Biochemistry

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Stepanova Monika	The Future of „UV-Fingerprint“ Method	MENDELU
	Mádi Lenka	Enhancement of luminescence signal by deuterated water	Masaryk University
	Yu Jihao	Synthesis and application of anti-metabolic syndrome drug thio-ether fatty acid (THEFA)-lipids	MENDELU
	Gruberová Eliška	Passive Diffusion vs. Active pH-Dependent Encapsulation of Acetylcholinesterase Inhibitor K2359 into Ferritin	MENDELU
Break			
11:00 - 12:00	Coufalová Martina	Treatment of intracellular infections with novel antimicrobial peptides	MENDELU
	Vodova Milada	Use of molecularly imprinted polymers to analyze personal care products	MENDELU
	Bahelková Michaela	Cadmium accumulation in organ tissues after inhalation of cadmium-based nanoparticles	Masaryk University
	Vývoda Milan	Effect of cannabinoids on oxidative stress markers and athletic performance parameters	MENDELU
Lunch			
13:00 - 14:00	Vaculčíaková Silvia	MALDI-TOF MS as a new tool for the identification of microplastics	MENDELU
	Petr Malý	Identification of counterfeit pharmaceuticals by UV-IFS method	Masaryk University
	Vopařilová Petra	Point-of-care detection of infectious pathogens using a portable microfluidic system	MENDELU
	Do Tomáš	Proteomic toxicological assessment of biphasic TiO ₂ -particles on Danio rerio embryos	MENDELU
Break			
14:15 - 15:00	Debnárová Denisa	Interaction of zinc complexes with nucleic acids as a potential antitumor treatment	MENDELU
	Birgusová Eliška	Effect of modification materials on the stability of antibodies for an estradiol detection sensor	MENDELU
	Rypar Tomas	Mass spectrometric analysis of pharmaceutical preparations and their photofragments using LC-HRMS/MS and DART-HRMS techniques	MENDELU