

Programme

Agroecology and Wildlife Research

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Kanke Hirko Dibaba	Direct seeding of <i>Acacia polyacantha</i> Willd for rehabilitation of degraded land in South-West Ethiopia	Jimma University
	Bartoš Marcel	The influence of extinct settlement on the diversity of vegetation in the postagrarian landscape of Moravia	MENDELU
	Prachowski Jan	Influence of degradation processes on changes in soil properties and yield potential	MENDELU
	Krchnavý Radoslav	Fungal accumulation of lead near firing ranges.	Technical University in Zvolen
Break			
11:00 - 11:45	Kiiza Allen	Mushroom Farming in Uganda: Socio-economic contribution of Mushroom Training and Resource Centre	Technical University in Zvolen
	Kuchaříková Kateřina	Evaluation for Spot spraying of Herbicides in Precision Agriculture	MENDELU
	Luongová Hong Phuong	The use of seaweed in the food chain	MENDELU
Lunch			
12:45 - 13:30	Navrátilová Eva	Tram track biodiversity and its annual dynamics	MENDELU
	Caha David	Five years of research on Moth (Lepidoptera) communities along an altitudinal gradient in the Králický Sněžník Mts. (Czech Republic)	MENDELU
	Stehno Jiří	The occurrence of Piciformes species in mid-altitude forests of the Czech Republic	MENDELU

Programme

Plant Production and Plant Biology

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Patloková Kateřina	The Effect of the Daily Light Integral and Spectrum on Mesembryanthemum crystallinum L. in an Indoor Plant Production Environment	MENDELU
	Štulc Vojtěch	Reliability assesment of conventionally measured glomalín related soil protein	MENDELU
	Šusliková Beáta	Využití metod dálkového průzkumu Země v precizním zemědělství	MENDELU
	Slezák Vojtěch	Optimizing Herbicide Application Using UAV-Based Weed Detection: A Comparison of Classification Techniques	MENDELU
Break			
11:00 - 12:00	Kaplánek Tomáš	Utilizing UAVs and Satellite Imagery for Mapping of Crop Damage by Common Vole (Microtus arvalis)	MENDELU
	Vintrlíková Nikola	ALGAL BARRIER: Utilizing Algae to Reduce Metal Bioavailability in Plants	MENDELU
	Asszonyi Jana	High-resolution image analysis of barley root and shoot traits for a selection of drought-tolerant genotypes	MENDELU
	Valová Radmila	Effect of potentially toxic elements in soil on biologic properties and their phytostabilization by red fescue (Festuca rubra) in combination with bioaugmentation and biochar amendment	MENDELU
Lunch			
13:00 - 13:45	Harabiš Lukáš	Utilization of liquid fertilizer produced by aerobic digestion of solid waste from fish farming in indoor cultivation of basil (Ocimum basilicum L.)	MENDELU
	Řezáč Vlastislav	Synergic Effects of Microbial Consortia on Crops	MENDELU
	Čičmanec Petr	Molecular mechanisms underlying impact of heavy water on 2 model plant Arabidopsis thaliana	MENDELU

Programme

Animal Production and Food Technology

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Semrádová Mariola	Analysis of milk production of Holstein dairy cows in relation to the content of selected minor milk components	MENDELU
	Žáková Monika	Design of an index of sustainable milk production in cattle	MENDELU
	Dytrt Filip	Influence of age and genotype on eggshell colour persistency in Dominant Greenshell and Blueshell	MENDELU
	Sečkař Jan	Analysis of piglet losses in free housing of sows	MENDELU
Break			
11:00 - 12:00	Ndunguru Sawadi Fransisco	In ovo amino acids: Insights from domesticated and laboratory model species	University of Debrecen
	Malý Petr	The application of gas chromatography for the evaluation of technological and health indicators of bovine milk fat after dietary changes	MUNI
	Kadlecová Kateřina	The influence of bear garlic on the sensory quality of cooked meat product	MENDELU
	Hendrychová Veronika Božena	Qualitative parameters of the mealworm (<i>Tenebrio molitor</i>) for applications in the food industry	MENDELU

Programme

Animal Biology and Animal Production

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Stočes Dominik	Solving the DNA integrity puzzle: optimizing preservation for Coleoptera and Lepidoptera in genetic and ecological studies	MENDELU
	Skoupá Kristýna	Degenerative changes in myofibrils after anabolic steroids application	MENDELU
	Veveřa Petr	Effect of biologically active compounds in drone brood on bone tissue cells metabolism	MENDELU
	Sitárová Ema	Effect of the addition of thistle pomace to the complete diet of rabbits on their zootechnical and health parameters under stress conditions	MENDELU
Break			
11:00 - 11:45	Buřvalová Michaela	Cultivation of dendritic cells using 3D cell culture system	MENDELU
	Reda Gebrehaweria Kidane	Effect of amino acid supplementation on top of restricted feeding in Japanese quails	University of Debrecen
	Majerík Behinská Katarína	In vitro effects of cyanidin-3-O-glucoside on human ovarian cancer cells	Slovak University of Agriculture in Nitra
Lunch			
12:45 - 13:30	Kulišťáková Michaela	Analysis of the Breeding Mare Population of the Haflinger Breed in the Czech Republic	MENDELU
	Bajková Daniela	Use of GPS devices in horse breeding	MENDELU
	Mitášová Pavla	Evaluation of Australian Shepherd breeding in the conditions of the Czech Republic	MENDELU

Programme

Techniques and Technology

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Hirschová Linda	Enhancing Sewage Sludge Dewaterability Through Electric Field Application	MENDELU
	Kotásková Michaela	Zinc content in surface water generated by wastewater treatment plant in the Moravian Karst environment	MENDELU
	Skladaný Daniel	Test of ecological hydraulic fluid	Slovak university of agriculture in Nitra
	Bártová Simona	Monitoring the emission status of a spark-ignition internal combustion engine under varying loads	Slovak university of agriculture in Nitra
Break			
11:00 - 12:00	Suchý Pavel	Use of co-fermentation of gastro waste at WWTP as a potential way to reduce the energy consumption of the wastewater treatment process and its impact on sludge management.	MENDELU
	Straka Marek	Integration of methods for greener fate of phosphorus in wastewater	MENDELU
	Henzl Jan	Optimisation of tractor aggregation in terms of efficiency of tractive power transfer to the pad	MENDELU
	Henzl Radovan	Organic and inorganic coating and heat treatment options for 3D printed materials	MENDELU
Break			
12:15 - 12:45	Kollárik Rastislav	Utilizing Skin Resistance as an Indicator of Microclimate Changes in Technical Systems: A Correlational Analysis	Slovak university of agriculture in Nitra
	Hanzalík Matej	Electromechanical FEM simulation of strain gauge	Slovak University of Technology

Programme

Applied Chemistry and Biochemistry

	Surname, first name	Title of the presentation	University
9:45 - 10:45	Priborsky Jan	Study of the toxicity of plastic particles in aquatic environment using proteomic mass spectrometry methods	MENDELU
	Birgusová Eliška	Molecular imprinting particles as solution for estradiol water contamination	MENDELU
	Vaculčíaková Silvia	Interactions of anthropogenic pollutants, with nitrate and nanoplastics in the main role	MENDELU
	Kurcová Jana	Novel approach for synthesis of fluorescent probes based on dihydroxanthene fluorophores for selective detection of albumin	MENDELU
Break			
11:00 - 12:00	Hannig Pavel	Plant Alkaloids as a Key to Cancer Treatment	MUNI
	Witkovska Nora	Bacterial Diversity and Resistance Profiles of Gram-positive bacteria isolated from infected wounds	MENDELU
	Fenclová Denisa	Effects of a long-term pressure of zinc oxide and its nanoparticles on <i>Enterococcus faecalis</i>	MENDELU
	Kolář Michal	Methods of encapsulation for targeted release of active compounds	MENDELU