

„Plant productivity and food safety:

Soil science, Microbiology, Agricultural Genetics and Food quality”

15-17.09.2021 r.

Conference Schedule

1 st day, 15.09.2021			
	Presenter	Title of presentation	Time*
Time for connecting with participants			8:00 – 8:25
Open Talk			8:25 – 08:30
Keynote Speaker	<u>David B. Collinge</u>	„Biological control of <i>Fusarium</i> head blight with fungal endophytes"	08:30 – 09:00
Session I Session Chair: Katarzyna Hryniewicz Session Organizers: Agnieszka Kalwasińska, Sonia Szymańska, Bliss Furtado	Eric C. Pereira, Beatriz R. Vázquez de Aldana, Rufin Toghueo, <u>Iñigo Zabalgogea</u> <u>coa</u>	„Structure, function and applications of the fungal microbiome of wild grasses"	09:00 – 09:30
	<u>Christel Baum</u> , Nora Vitow, Julia Kaminiski, Anika Zacher, Peter Leinweber and Katarzyna Hryniewicz	„Promotion of mycorrhiza formation and use in arable crops by adaptation of agricultural management"	09:30 – 10:00
	<u>Silke Ruppel</u> , Sascha Patz	„ <i>Kosakonia radicincitans</i> : a new emerging bacterial species with plant growth-promoting effects - From isolation to a commercial product"	10:00 – 10:30
	<u>Krzysztof Treder</u> , Mateusz Mielczarek, Milena Sagan ¹ , Anna	„The impact of the potato cultivars resistance level on the rate of movement and replication of three strains of potato virus Y"	10:30 – 11:00

	Pawłowska, Agata Kaczmarek, Dorota Michałowska		
	<u>Makoto Kanasugi</u> , Edyta Deja-Sikora, Dominika Thiem, Katarzyna Hryniewicz	„Microbiome of perennial crop Kernza: <i>Thinopyrum intermedium</i> for sustainable agricultural production”	11:00 – 11:10
	<u>Chinenyenwa Fortune Chukwuneme</u> , Ayansina Segun Ayangbenro, Olubukola Oluranti Babalola	„Deciphering the abundance of genes involved in disease suppression and quorum-sensing in the rhizosphere microbiome of two distinct maize fields through shotgun metagenomics”	11:10 – 11:20
	Discussion to short presentations		11:20 – 11:30
	Poster Session I with discussion (+ short presentation of 2 selected posters)		11:30 – 11:40
	<u>Aleksandra Trzewik</u> , Katarzyna Mynett, Teresa Orlikowska	„ <i>Serendipita indica</i> as growth stimulator of rhododendron plants”	
	<u>Piotr Koczorski</u> , Bliss Ursula Furtado, Marcin Gołębiewski, Piotr Hulisz, Christel Baum, Martin Weih, Katarzyna Hryniewicz	„Fungal microbiomes and phosphorus solubilization in willow Short Rotation Coppice”	
Break			11:40 – 12:00
Session II	<u>Mahendra Rai</u>	„Can we combat plant pathogens using nanotechnology as a potential tool?”	12:00 – 12:30
Session Chair: Patrycja Golińska	<u>Gabor Tarcali</u> , Laszlo Radocz Jr., Gabriella Kovacs, Laszlo Radocz	„Biological control of <i>Cryphonectria parasitica</i> fungus - a good example of the effective use of hypovirulent fungal strains against plant pathogenic fungi”	12:30 – 13:00
Session Organizers: Magdalena Wypij, Magdalena Świecimska	<u>W. Keith Moser</u> , Ireneusz Olejarski, Tomasz Oszako, Tadeusz Malewski, Daria Berezovska, Eva Leonovic, Justyna A. Nowakowska	„Application of wood wastes in the revitalization of post-agricultural soils”	13:00 – 13:30
	<u>Ammara Nawaz</u> , Marianna Molnárová	„Algal Species as Biocontrol Agents Against Plant Pathogens”	13:30 – 13:40
	<u>Avinash Ingle</u> , Mahendra Rai	„Mycosynthesis and antifungal efficacy of copper nanoparticles against plant pathogenic fungi”	13:40 – 13:50
	<u>Luiza Helena da Silva Martins</u> , Julia Helena da Silva Martins, Mahendra Rai	„Nanoencapsulation of plant extracts, essential oils and bioactive compounds for the control of plant diseases”	13:50 – 14:00
	Gisela M. Seimandi, Laura N. Fernández, María A. Favaro, Verónica E. Ruiz, <u>Marcos G. Derita</u>	„Phytochemically characterized extracts from <i>Polygonum</i> species for the control of fruit phytopathogenic fungi”	14:00 – 14:10

	Ireneusz Olejarski, Wiesław Szulc, Beata Rutkowska, Justyna Nowakowska, Tomasz Oszako, <u>Keith Moser</u>	„Organic biomass and phosphogypsum for restoring nutrient cycling in forest soils”	14:10 – 14:20
	Discussion to short presentations		14:20 – 14:30
	Poster Session II with discussion (+ short presentation of 2 selected posters)		14:30 – 14:40
	<u>Romina Giacometti</u>	„Enabling sustainable and smart agriculture with green nanoparticles”	
	<u>Imen Haddoudi</u> , Moncef Mrabet, Jordi Cabrefiga, Isabel Mora, Haythem Mhadhbi, Emilio Montesinos	„ <i>Bacillus amyloliquefaciens</i> VFS2 broad spectrum of metabolites under salt and drought stress with key role in <i>Vicia faba</i> root-rot suppression caused by <i>Fusarium equiseti</i> “	
Break			14:40 – 15:00
Session III Session Chair: Agnieszka Zienkiewicz Session Organizer: Edyta Deja-Sikora	<u>Patrick Horn</u>	„Big Data Overload: Deriving Structure-Function Insights within Plant Lipid Metabolism through Analyses of Diverse Plant Genomes”	15:00 – 15:30
	<u>Magdalena Miklaszewska</u>	„The key enzymes in metabolic engineering for production of wax esters in plants”	15:30 – 16:00
	M. Luisa Hernández, M. Dolores Sicardo, <u>José M. Martínez-Rivas</u>	„Differential contribution of <i>DGAT</i> and <i>PDAT</i> genes to triacylglycerol biosynthesis in olive fruit”	16:00 – 16:30
	<u>Krzysztof Zienkiewicz</u>	„Oleaginous Microalgae – the green gold for the sustainable development”	16:30 – 17:00
	<u>Zied Zarai</u>	„Microbial lipases and phospholipases and their use as biocatalysts in modifying plant lipids”	17:00 – 17:10
	Discussion to short presentations		17:10 – 17:20
	Poster Session II with discussion (+ short presentation of 2 selected posters)		17:20 – 17:30
	Marta Saldat , Krzysztof Zienkiewicz	„Biotechnological potential of diacylglycerol acyltransferases from the green microalgae <i>Nannochloropsis oceanica</i> ”	
	Vipul Swarup Bhatnagar , Krzysztof Zienkiewicz	„The response of genes encoding diacylglycerol acyltransferases of type 2 from <i>Nannochloropsis oceanica</i> to diverse stress conditions”	
2nd day, 16.09.2021			

Time for connecting with participants			8:00 – 8:30
Session V Session Chair: Grażyna Dąbrowska Session Organizer: Agnieszka Mierek-Adamska	<u>Claudia A. Blindauer</u> , Agnieszka Mierek-Adamska, H. Tanvir Imam, Oksana I. Leszczyszyn	„Zinc in plants: Homeostatic proteins and their potential for biofortification”	08:30 – 09:00
	<u>Dragana Jakovljević</u> , Milan Stanković, Marzena Warchoł, Edyta Skrzypek	„Basil improvement through tissue culture- cultivar specific response”	09:00 – 09:25
	<u>Asfaw Degu</u> , Uri Hochberg, Noga Sikron, Luca Venturini, Genny Buson, Ryan Ghan, Inbar Plaschkes, Albert Batushansky, Vered Chalifa-Caspi, Fulvio Mattivi, Massimo Delledonne, Mario Pezzotti, Shimon Rachmilevitch, Grant R Cramer, Aaron Fait	„ Physiological and biochemical response of grapevines towards water stress”	09:25 – 09:50
	<u>Agnieszka Richert</u> , Urszula Jankiewicz, Justine Gaurenne, Guillaume Cogne, Grażyna B. Dąbrowska	“Innovative biodegradable films with birch tar for plant protection”	09:50 – 10:00
	<u>Karolina Okoń</u> , Artur Nosalewicz	“Photosynthetic productivity under fluctuating light”	10:00 – 10:10
	<u>Sena Turkan</u> , Wiktoria Konieczna, Agnieszka Mierek-Adamska, Edyta Skrzypek, Marzena Warchoł, Grażyna B. Dąbrowska	“Seed germination, antioxidant enzymes activity, proteins, and sugars content during <i>Brassica napus</i> L. development“	10:10 – 10:20
	<u>Hasan Tanvir Imam</u> , Agnieszka Mierek-Adamska, Claudia A. Blindauer	“Biophysical studies of small molecule interactions with zinc binding metallothioneins from plant <i>Arabidopsis thaliana</i> ”	10:20 – 10:30
	<u>Kinga Dziurka</u> , Michał Dziurka, Ewa Muszyńska-Sadłowska, Ilona Czyczyło-Mysza, Marzena Warchoł, Katarzyna Juzoń, Kamila Laskoś, Edyta Skrzypek	“Phytohormonal balance disturbances during oat (<i>Avena sativa</i> L.) doubled haploids development”	10:30 – 10:40
	<u>Wiktoria Konieczna</u> , Agnieszka Mierek-Adamska, Marzena Warchoł, Edyta Skrzypek, Grażyna B. Dąbrowska	“The expression of oat metallothioneins increases under osmotic stress”	10:40 – 10:50
	Discussion to short presentations		10:50 – 11:00
	Poster Session V with discussion (+ short presentation of 2 selected posters)		11:00 – 11:10
	<u>Agata Zaremba</u> , Katarzyna Bartkowiak, Kamila Doman, Krystyna Szymandera-Busza	„Consumer preferences regarding the type of fortified vegetables”	

	Naciri Kaoutar , Belahyan Abdel Mounaim, Belahsen Rekia	“Contribution to the valorization of some varieties of local cereals from Khénifra and Tétouan regions in Morocco”	
Break			11:10 – 11:30
Session VI Session Chair: Piotr Hulisz, Przemysław Charzyński Session Organizer: Sylwia Pindral	<u>Hadi Pirasteh-Anosheh</u>	„Biosaline Agriculture: A system for Rereading Environmental Resources”	11:30 – 12:00
	<u>Tatiana V. Prokofieva</u> , Aminat Umarova, Anastasia Gasina, Marina Butylkina, Zakhar Ezhelev, Maria Suslenkova, Anna Kokoreva, Irina Martynenko	„Importance of soil physical properties for urban soil management strategy”	12:00 – 12:30
	<u>Remigio Paradelo Núñez</u>	„Knowledge of urban soils morphology and properties for sustainable land use in the city”	12:30 – 13:00
	<u>Andrzej Greinert</u> , Jakub Kostecki	„Anthropogenic soils in the context of elements circulation in urban environment”	13:00 – 13:10
	<u>Sylwia Pindral</u> , Rafał Kot, Piotr Hulisz	„Assessment of agricultural land losses related to the city's territorial expansion using the pedodiversity index”	13:10 – 13:20
	<u>Jamal Harchi</u> , Przemysław Charzyński	„The impact of metallic trace elements on the soil physicochemical and microbial properties in the vicinity of abandoned mines”	13:20 – 13:30
	<u>Szymon Łucjan Róžański</u> , Jose Matias Peñas Castejón	„Child risk assessment of selected metal(loid)s from urban soils using in vitro UBM procedure”	13:30 – 13:40
	<u>Agnieszka Kalwasińska</u> , Patrycja, Tarnawska, Monika Latos, Krystyna Pałubicka, Aleksandra Janik, Maria Świontek-Brzezińska	„Effect of natural and synthetic antifungal substances on soil fungal assemblages”	13:40 – 13:50
	Discussion to short presentations		13:50 – 14:00
	Poster Session VI with discussion (+ short presentation of 2 selected posters)		14:00 – 14:10
	<u>Agnieszka Ludwiczak</u> , Anna Ciarkowska, Agnieszka Piernik	„The time-dependent effect of salinity on biochemical parameters of <i>Tripolium pannonicum</i> ”	
	Agnieszka Kalwasińska, <u>Patrycja Tarnawska</u> , Monika Latos, Krystyna Pałubicka, Aleksandra Janik, Maria Swiontek Brzezinska	„Effect of natural and synthetic antifungal substances on soil bacterial assemblages”	

Break			14:10 – 14:20
Session IV Session Chair: Aleksandra Szydłowska- Czerniak Session Organizer: Dobrochna Rabiej- Kozioł	<u>Mohamed Bouaziz</u>	„Olive by-products: valuable nutrients, drugs and functional bioactive compounds”	14:20 – 14:50
	<u>Jan Kyselka</u>	„Industrial innovation in the production and processing of vegetable oils”	14:50 – 15:20
	<u>Magdalena Rudzińska</u> , Aleksandra Grudniewska, Anna Olejnik, Anna Grygier, Anna Chojnacka, Katarzyna Kowalska, Dominik Kmiecik, Witold Gładkowski, Gabriela Maciejewska	„The thermo-oxidative stability and cytotoxicity of distigmasterol-modified acylglycerols as the new structured lipids”	15:20 – 15:50
	<u>Sylvia Mildner-Szkudlarz</u> , Aleksander Siger, Krzysztof Przygoński	„Effects of polyphenols on N ^ε -(carboxymethyl)lysine and pyrazines formation in a model wheat bread system”	15:50 – 16:00
	Małgorzata Wroniak, <u>Marianna Raczyk</u> , Bartosz Kruszewski, Katarzyna Ratusz	„Effect of deep-frying of potatoes and tofu on thermo-oxidative changes of cold pressed rapeseed oils ”	16:00 – 16:10
	<u>Katarzyna Włodarczyk</u> , Alicja Tymczewska, Dobrochna Rabiej-Kozioł, Aleksandra Szydłowska-Czerniak	„Effect of antioxidants on physicochemical properties of emulsions”	16:10 – 16:20
	<u>Dobrochna Rabiej-Kozioł</u> , Aleksandra Szydłowska-Czerniak	„Fluorescence spectroscopy – tool to evaluate the quality of rapeseed oils fortified with phenolipid during storage”	16:20 – 16:30
	<u>Alicja Tymczewska</u> , Jacek Nowaczyk, Aleksandra Szydłowska-Czerniak	„Bioactive gelatin/PVA films containing black cumin cake extract and zinc oxide nanoparticles”	16:30 – 16:40
	Discussion to short presentations		16:40 – 16:50
	Poster Session IV with discussion (+ short presentation of 2 selected posters)		16:50 – 17:00
	<u>Fadwa Jendoubi</u> , Mahdi Fendri, Ajmi Larbi	„Study of total phenolic content variability in Extra Virgin olive oil produced from three cultivars ‘ <i>Chétoui</i> ’, ‘ <i>Chemlali</i> ’ and ‘ <i>Arbequina</i> ’ according to Maturation index”	
	Małgorzata Wroniak, Marta Lefek, <u>Nour Ksibi</u>	„Oxidative stability analysis of selected oils from seeds of herbs and vegetables”	
Awarding and Closing Talk			17:00 – 17:15

* Time Zone (GMT+01:00)