

1st PhotosynthOS Conference in Osijek

April 24, 2023 (Monday)

8.30-9:30	Registration	
9.30-10:00	Conference opening	
10:00-11:00 Plenary lecture	<u>Hazem M. Kalaji</u> , Piotr Dąbrowski, Edyta Sierka, Dario Piano, Piotr Golonko, Jacek Mojski, Zuzanna Jaszczuk, Adam Adamski	An advanced biological feedback system enables plants to regulate their supplemental lighting in greenhouse conditions
11:00-11:15	Coffee break	
11:15-11:30	<u>Hrvoje Lepeduš</u>	A brief historical overview and scientific impact of chlorophyll a fluorescence measurements in Croatia during first 20 years
11:30-11:45	<u>Selma Mlinarić</u>	Loving the curves: discovering the shapes of the OJIP transient
11:45-12:00	<u>Domagoj Šimić</u> , Selma Mlinarić	Chlorophyll a fluorescence and beyond: Recent advancements and future prospects
12:00-13:00	Poster section	
	<u>Dominika Mlynarikova Vysoka</u> , Marek Kovar, Marek Zivcak, Lucia Jasenovska, Maria Barboricova, Andrej Filacek, Marian Brestic	Effect of UV-B radiation on primary photosynthetic processes of lettuce plants
	<u>Lucia Jasenovská</u> , Marián Brestič, Mária Barboričová, Andrej Filaček, Marek Živčák	Screening of the effects of monochromatic light in microgreens using analysis of chlorophyll fluorescence kinetics
	<u>Mirta Tkalec</u> , Sandra Vitko, Ana Talanga Vasari, Smiljana Goreta Ban, Branka Salopek-Sondi	Photosynthetic adaptation of kale to abiotic stresses
	<u>Sandra Vitko</u> , Tamara Vuk, Nataša Bauer, Željka Vidaković-Cifrek	Salt and osmotic stress influence photosynthetic performance of <i>Arabidopsis thaliana</i> with modified DMS3 expression
13:00-14:00	Lunch break	

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14:00-14:15	<u>Vlatko Galić</u> , Tatjana Ledenčan, Antun Jambrović, Zvonimir Zdunić, Ivana Podnar Žarko, Domagoj Šimić	Photosynthetic activity shows different breakpoints in response to increasing temperatures between maize maturity groups
14:15-14:30	<u>Marija Viljevac Vuletić</u> , Ines Mihaljević	Application of chlorophyll fluorescence in fruit science
14:30-14:45	<u>Lovely Mahawar</u> , Marian Breštic	Impact of the foliar application of zinc oxide nanoparticles on photosynthesis and physiology of <i>Raphanus sativus</i> L. under salinity stress
14:45-15:00	<u>Jasenka Antunović Dunić</u> , Vesna Peršić, Günther Zellnig, Vera Cesar	The effect of cadmium on photosynthesis and chloroplast ultrastructure in <i>Spirodela polyrhiza</i> : age-related susceptibility
15:15-15:30	<u>Maja Mazur</u> , <u>Lovro Vukadinović</u> , Antun Jambrović, Vlatko Galić, Domagoj Šimić	Unveiling the potential of chlorophyll a fluorescence as a highthroughput phenotyping method in maize breeding and research
15:30-15:45	Coffee break	
15:45-17:00	Poster section	
	<u>Andrej Filaček</u> , Marek Živčák, Mária Barboričová	Non-invasive methods reveals the significance of alternate electron fluxes in photoprotection of different wheat genotypes under nitrogen deficit conditions
	<u>Milan Miroslavljević</u> , Sanja Mikić, Ankica Kondić-Špika, Vesna Župunski, Carl-Otto Ottosen, Rong Zhou	The effect of heat stress on chlorophyll fluorescence in Pannonian wheat varieties
	<u>Bruno Komazec</u> , Željka Vidaković-Cifrek, <u>Petra Peharec Štefanić</u>	Effect of silver nanoparticles and ions on photosynthetic performance and oxidative stress induction in <i>Chlorella vulgaris</i>
	<u>Bruno Komazec</u> , Petra Peharec Štefanić	Effect of copper oxide nanoparticles and ions on photosynthetic performance and oxidative stress induction in <i>Chlorella vulgaris</i>
	<u>Karla Košpić</u> , Renata Biba, Petra Peharec Štefanić, Biljana Balen, Mirta Tkalec	Coating-dependent effects of silver nanoparticles on photosynthetic performance of tobacco seedlings
	<u>Boris Lazarević</u>	Chlorophyll fluorescence imaging in assessing crop abiotic stress
	<u>Zorana Katanić</u> , Selma Mlinarić, Jurica Duvnjak, Katarina Šunić, Valentina Španić	Effect of drought on photosynthetic performance of wheat during stem elongation stage
	Conference dinner	

April 25, 2023 (Tuesday)

9:00-10:00 Plenary lecture	<u>Marek Živčák</u> , Andrej Filaček, Marián Brestič	Simultaneous measurements of chlorophyll fluorescence to study photosynthetic regulation in plants exposed to environmental stresses
10:00-10:15	Coffee break	
10:15-10:30	<u>Katarina Šunić</u> , Zorana Katanić, Valentina Španić	Photosynthetic efficiency of winter wheat (<i>Triticum aestivum</i> L.) infected with Fusarium head blight in controlled conditions
10:30-10:45	<u>Vesna Peršić</u> , Jasenka Antunović Dunić, Georg Drezner and Vera Cesar	Exploring winter wheat genotypes' response to physiological drought: insights into the photosynthetic performance
10:45-11:00	<u>Jurica Duvnjak</u> , Zorana Katanić, Valentina Španić	Different responses of wheat varieties to drought stress assessed by chlorophyll a fluorescence
11:00-11:30	Poster section	
	<u>Marek Kovar</u> , Marek Zivcak, Dominika Mlynarikova-Vysoka, Lucia Jasenovska, Maria Barboricova, Andrej Filacek, Marian Brestic	Photosynthetic responses of a collection of sorghum genotypes to salinity
	<u>Anja Melnjak</u> , Juan Alberto Limón Santana, Vesna Peršić	Hungry for sulfur: the interplay of photosynthesis, starch, and anthocyanins
	<u>Lana Suman</u> , Selma Mlinarić, Mislav Kravica, Ljiljana Krstic, Tanja Žuna Pfeiffer	Photosynthetic performance of sun and shade leaves in solitary <i>Sorbus domestica</i> L. trees
11:30-12:30	Lunch	

