



International Conference on Biodiversity and Molecular Plant Breeding

02 – 06 October 2022, Novigrad Croatia PROGRAM

Monday, October 3th 2022

REGISTRATION	9:30-11:00		
OPENING	11:00 - 11:10		
	11:10-11:30	Zlatko Šatović	Centre of Excellence for Biodiversity and Molecular Plant Breeding
		AUTHORS	TITLE
	11:30 - 12:00	Rina Kamenetsky-Goldstein	Garlic (<i>Allium sativum</i> L.) breeding and crop improvement: recent achievements and outlook
COFFEE BREAK	12:00-12:15		
<i>Session 1</i>		AUTHORS	TITLE
Moderator:	12:15-12:30	Gabriela Vuletin Selak, Mira Radunić, Josip Tadić, Maja Jukić Špika, Mirella Žanetić, Marina Raboteg Božiković, Slavko Perica	Genetic and phenotypic diversity of Croatian olive germplasm
Z. Liber	12:30-12:45	Zlatko Liber, Gabriela Vuletin Selak, Mira Radunić, Zlatko Šatović, Monica Marilena Miazzi, Alenka Baruca Arbeiter, Dunja Bandelj, Josip Tadić, Marina Raboteg Božiković, Maja Jukić Špika, Katja Žanić, Tatjana Klepo, Višeslav Glavinović, Slavko Perica	Genetic diversity of olives in Croatia
	12:45-13:00	Zoe Andrijanić, Nelson Nazzicari, Hrvoje Šarčević, Aleksandra Sudarić, Ivan Pejić	Genetic diversity and population structure of Crop-BioDiv soybean germplasm collection
	13:00-13:15	Filip Varga, Zlatko Liber, Zlatko Šatović, Ivan Radosavljević, Nina Jeran, Martina Grdiša	Genetic diversity of Croatian Dalmatian pyrethrum as revealed by newly developed genomic SSRs
	13:15-13:30	Brunilda Hasanbelli, Filip Varga, Zlatko Šatović, Zlatko Liber, Alban Ibraliu	Genetic diversity of natural Dalmatian sage (<i>Salvia officinalis</i> L.) populations from Albania
	13:30-13:45	<i>Discussion</i>	
	13:45-15:30	Lunch break	
<i>Session 2</i>		AUTHORS	TITLE
Moderator:	15:30-15:45	Smiljana Goreta Ban, Josipa Perković, Iva Bažon, Nikola Major, Mario Franić, Igor Lukić, Danijela Poljuha, Zlatko Šatović, Dean Ban	Biodiversity of <i>Allium</i> species cultivated in Croatia: morphological, biochemical and molecular aspects
K. Carović Stanko	15:45-16:00	Martina Grdiša, Filip Varga, Nina Jeran, Ante Turudić, Zlatko Liber, Zlatko Šatović	Influence of bioclimatic conditions on the pyrethrin profiles of Dalmatian pyrethrum natural populations
	16:00-16:15	Jerko Gunjača, Monika Vidak, Boris Lazarević, Klaudija Carović-Stanko	"Fingerprinting" the Croatian beans - An overview of the research on Croatian common bean collection
	16:15-16:30	<i>Discussion</i>	
COFFEE BREAK	16:30-16:45		
<i>Session 3</i>		AUTHORS	TITLE
Moderator:	16:45-17:00	Igor Lukić, Karolina Brkić Bubola, Sanja Radeka, Marijan Bubola, Marin Krapac, Sara Godena, Ivana Horvat, Marina Lukić, Mirella Žanetić, Irena Iva Šikuten, Petra Štambuk, Ivana Tomaz, Jasminka Karoglan Kontić, Edi Maletić, Darko Preiner	Volatilome and phenolome profiling for differentiation of Croatian monovarietal wines and olive oils and elucidation of Metabolomic discrimination of genetic and geographical groups of grapevine varieties (<i>Vitis vinifera</i> L.)
J. Karoglan Kontić	17:00-17:15		
	17:15-17:30	Zvezdana Marković, Petra Štambuk, Darko Preiner, Iva Šikuten, Edi Maletić, Jasminka Karoglan Kontić	<i>In vitro</i> tissue culture, a tool for long-term conservation of Croatian grapevine genetic resources
	17:30-17:45	<i>Discussion</i>	

Tuesday, October 4th 2022

Session 4		AUTHORS	TITLE
Moderator: G. Vuletin Selak	9:30-10:00	Luca Sebastiani	Abiotic factors and related stresses: assess the olive germplasm variability for the identification of tolerant varieties
	10:00-10:30	Luciana Baldoni, Maria Cristina Valeri	The fascinating mechanism of inter- and self-incompatibility of the olive varieties
	10:30-10:45	Josip Tadić, Gvozden Dumičić, Maja Veršić Bratinčević, Sandra Vitko, Sandra Radić Brkanac	Response of Wild (<i>Olea europaea subsp. europaea var. sylvestris</i>) and Cultivated Olive to Salinity and Drought
	10:45-11:00	Marija Polić Pasković, Paula Žurga, Valerija Majetić Germek, Šime Marčelić, Mia Brkljača, Smiljana Goreta Ban, Igor Pasković	Cultivar dependant variations of olive leaf oleuropein concentrations
	11:00-11:15	<i>Discussion</i>	
COFFEE BREAK	11:15-11:30		
Session 5		AUTHORS	TITLE
Moderator: M. Grdiša	11:30-11:45	Igor Pasković, Katarina Vogel-Mikuš, Mitja Kelemen, Primož Vapetić, Primož Pelicon, Paula Žurga, Nikolina Vidović, Marija Polić Pasković, Smiljana Goreta Ban, Igor Lukić, Paula Pongrac	Bulk concentrations and tissue-specific macronutrients allocation in the leaves of two olive cultivars
	11:45-12:00	Iva Bažon, Dean Ban, Martina Grdiša, Zlatko Šatović, Smiljana Goreta Ban	Morphological diversity of Croatian garlic (<i>Allium sativum</i> L.) genetic resources
	12:00-12:15	Tvrtko Karlo Kovačević, Nina Išić, Josipa Perković, Iva Bažon, Dean Ban, Marta Sivec, Smiljana Goreta Ban, Nikola Major	Does above sea level elevation affect phytochemical profile of wild garlic?
	12:15-12:30	Nikola Major, Josipa Perković, Igor Palčić, Iva Bažon, Ivana Horvat, Dean Ban, Smiljana Goreta Ban	The antioxidant and nutritional aspect of shallots
	12:30-13:00	Jernej Jakše, Ajay Kumar Mishra, Jaroslav Matoušek, Tanja Guček, Nataša Štajner, Sebastjan Radišek	CBCVd viroid in Slovenian hop production
	13:00-13:15	<i>Discussion</i>	
LUNCH BREAK	13:15-15:00		
Session 6		AUTHORS	TITLE
Moderator: B. Lazarević	15:00-15:30	Marek Živčák, Marián Brestič, Andrej Filaček, Mária Barboričová, Marek Kovár, Pavol Hauptvogel	Phenotyping of wheat genetic resources using non-invasive methods
	15:30-15:45	Andrej Filaček, Mária Barboričová	Use of non-invasive methods for evaluation the effect of high temperature and acclimation mechanisms on photosynthetic processes of wheat (<i>Triticum sp. L.</i>)
	15:45-16:00	Tomislav Javornik, Boris Lazarević, Klaudija Carović-Stanko	Monitoring drought stress in common bean using chlorophyll fluorescence and multispectral imaging
	16:00-16:15	Nina Išić, Mario Franić, Marta Sivec, Dean Ban, Smiljana Goreta Ban	Photosynthetic and spectral response of garlic landraces under drought stress
	16:15-16:30	Dominika Mlynáriková Vysoká, Marek Živčák, Marián Brestič, Andrej Filaček, Mária Barboričová, Marek Kovár	Phenotyping of lettuce genetic resources exposed to drought using imaging methods
		16:30-16:45	<i>Discussion</i>
COFFEE BREAK	16:45-17:00		
Session 7		AUTHORS	TITLE
Moderator: E. Maletić	17:00-17:15	Mária Barboričová, Andrej Filaček	Monitoring the impact of climate extremes on different wheat varieties using fluorescence methods
	17:15-17:30	Boris Lazarević, Jerko Gunjača, Toni Safner, Monika Vidak, Tomislav Javornik, Klaudija Carović-Stanko	Non-destructive quantification of nutrient deficiency symptoms in common bean
	17:30-17:45	Petra Štambuk, Darko Preiner, Iva Šikuten, Zvezdana Marković, Edi Maletić, Ivana Tomaz, Jasminka Karoglan Kontić	Phenotyping of Croatian native grapevine (<i>Vitis vinifera</i> L.) varieties in susceptibility to <i>Plasmopara viticola</i>
	17:45-18:00	Mate Čarija, Silvija Černi, Tomislav Radić, Emanuel Gaši, Katarina Hančević	Relative expression dynamics of <i>GFKV</i> , <i>GVA</i> and <i>GPGV</i> in grapevine host plants
	18:00-18:15	Magdalena Matić, Rosemary Vuković, Karolina Vrandečić, Ivana Štolfa Čamagajevac, Jasenka Čosić, Ana Vuković, Krešimir Dvojković, Dario	The effect of Fusarium inoculation and nitrogen fertilization on phenolics and phenylalanine ammonia-lyase
		18:15-18:30	<i>Discussion</i>
SOCIAL DINNER	20:00-22:00		

Wednesday, October 5th 2022

Session 8			
		AUTHORS	TITLE
Moderator:			
D. Šimić	9:00-9:30	Nelson Nazzicari	Genomic selection in legumes: the experience at CREA
	9:30-9:45	Ivana Plavšin, Jerko Gunjača, Dario Novoselović	Factors affecting the accuracy of genomic selection for quality traits within a biparental wheat population
	9:45-10:15	Zetzsche Holger	Resistances to major fungal pathogens - breeding progress and challenges in wheat and barley
	10:15-10:45	Violeta Andjelkovic, Vojka Babic, Natalija Kravic	Utilization of Maize Genetic Resources for Agro-Biodiversity Enhancement
	10:45-11:00	<i>Discussion</i>	
COFFEE BREAK			
Session 9			
Moderator:			
D. Novoselović			
	11:15-11:30	Domagoj Šimić	On the cusp of Breeding 4.0: Molecular plant breeding and interdisciplinary
	11:30-11:45	Vlatko Galić, Josip Spišić, Tatjana Ledenčan, Antun Jambrović, Zvonimir Zdunić, Domagoj Šimić	The usability of proximal sensing in modern maize breeding programs
	11:45-12:00	Bruno Rajković, Ana Lovrić, Marko Maričević, Dario Novoselović, Hrvoje Šarčević	Allelic impacts of SNP markers on pre-harvest sprouting resistance in a panel of winter wheat (<i>Triticum aestivum</i> L.) cultivars
	12:00-12:30	Ana Margarida Sampaio, Letice Gonçalves, Ana Margarida Rodrigues, Carla António, Maria Carlota Vaz Patto	Novel genetic factors controlling seed quality in grass pea revealed by metabolic genome wide association study
	12:30-12:45	Zoe Andrijanić, Nelson Nazzicari, Hrvoje Šarčević, Aleksandra Sudarić, Ivan Pejić	Genome-wide association study for seed quality traits in soybean [<i>Glycine max</i> (L.) Merr.]
	12:45-13:00	Ante Turudić, Zlatko Liber, Martina Grdiša, Jernej Jakše, Filip Varga, Zlatko Šatović	Topics on the standardisation of chloroplast DNA sequence data
	13:00-13:15	<i>Discussion</i>	
CLOSING			
LUNCH			
TEHNICAL VISIT -IPTPO and POREČ			
	15:00	Start from hotel Maestral Novigrad	
	15:30 – 17:30	(Institute of Agriculture and Tourism Poreč), Tehnickal visit	
	17:30 – 20:00	Guided tour of Poreč City	
	20:00	End of the visit, and drive to Novigrad	