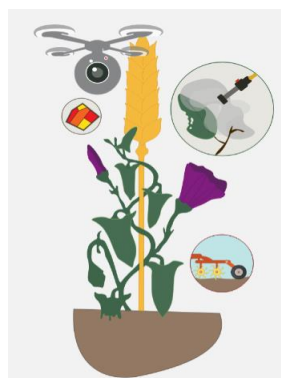
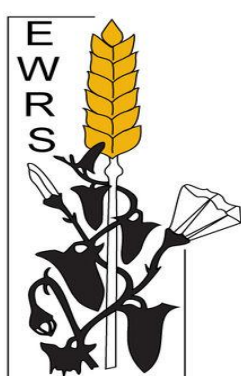


EWRS Workshop

“Sustainable use of herbicides and novel weeding solutions in cropping systems”

3-days-Workshop of the EWRS WGs "Sustainable use of herbicides"



PROGRAMME

Belgrade, Serbia

13 –15 May 2024

Scientific Committee:

Milena Simić

Demosthenis Chachalis

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Organizing Committee:

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13.05. MONDAY		
8.00-8.30	Registration	
8.30-9.00	Welcome	
Session 1	Chair	Demosthenis Chachalis & Milena Simić
9.00-9.30	Invited lecture	<u>Kateřina Hamouzova</u> , Miroslav Jurskı, and Josef Soukup Sustainable use of ALS- and ACCase-inhibiting herbicides in Europe
9.30-10.00	Introductory lecture	Stevan Knezevic Herbicide Tolerant Maize and Soybeans in USA: 25 years later
10.00-10.15	Discussion	
10.15-10.40	Coffee break	
Session 2	Chair	Silvia Panozzo & Miloř Zarić
10.40-11.00	Key note lecture	<u>Goran Malidřa</u> , Sava Vrbnićanin, Dragana Bořić, Danijela řikuljak, Bojan Konstantinović, Katarina Jovanović-Radovanov, Miloř Rajković, Nataša Samardžić, Jovana Krstić Awareness of herbicide-resistant weeds and anti-resistance strategy measures among Serbian farmers
11.00-11.15	Novel techniques and digital solutions	<u>Maren Pukrop</u> , David Hagemann, Tim Zurheide, Mark Niemeyer, Marian Renz, Daniel Di Marco, Markus Hoferlin, Philipp Stark, Florian Rahe, Matthias Igelbrink, Mario Jenz, Stefan Stiene, Joachim Hertzberg, Thomas Jarmer, Dieter Trautz Creation of species-specific application maps for weed management using UAV Data
11.15-11.30	IWM	<u>David Hagemann</u> , Maren Pukrop, Tim Zurheide, Mark Niemeyer, Marian Renz, Daniel Di Marco, Markus Hoferlin, Philipp Stark, Florian Rahe, Matthias Igelbrink, Mario Jenz, Stefan Stiene, Joachim Hertzberg, Thomas Jarmer, Dieter Trautz Cognitive Weeding: An End to End Single-Plant Specific Weed Regulation Approach
11.30-11.45	IWM	Efstratios Michalis, <u>Athanasios Ragkos</u> , Dimosthenis Chachalis Economic performance and adoption of Sustainable Weed Management Practices: Evidence from Mediterranean cropping systems
11.45-12.00	Novel techniques and digital solutions	<u>Demosthenis Chachalis</u> , A. Kousta, A. Tsekoura, M. Lykogianni, C. Anagnostopoulos, A. Petraki, Despina Tsiriva, Despoina Giaouzi Novel Plant Growth Regulators (PRGs): Nanochitosan-based GA3 applications
12.00-12.15	Novel techniques and digital solutions	Gerassimos G. Peteinatos, Nikolaos Katsenios, Aspasia Efthimiadou, Dimosthenis Chachalis, Konstantinos P. Ferentinos Precision Weed Management in Cotton
12.15-12.45	Discussion	
12.45-14.00	Lunch break	
Session 3	Chair	Maja řćepanović & Miroslav Jursik
14.00-14.15	Herbicide persistence, tolerance and resistance	<u>Nesho Neshev</u> , Mariyan Yanev Preliminary results of mixed application of Stratos Ultra with plant biostimulants in CTM maize

14.15-14.30	Herbicide persistence, tolerance and resistance	<u>Dragana Božić</u> , Teodora Tojić, Sava Vrbničanin Risk of Tolerant Crops Cultivation: Gene Flow from Herbicide-Tolerant Sunflower to Weedy Sunflower
14.30-14.45	Herbicide persistence, tolerance and resistance	<u>Christina Wellhausen</u> , Lorenzo Castaldello, and Nils Klingemann CONVISO® SMART Stewardship: integrated management of herbicide-tolerant sugar beet
14.45-15.00	Herbicide application	Filip Vranješ, <u>Dragana Božić</u> , Sava Vrbničanin Effect of reduced mesotrione doses on <i>Chenopodium album</i> and <i>Abutilon theophrasti</i>
15.00-15.15	Herbicide application	<u>Milos Zarić</u> , Kasey P. Schroeder, Jeffrey A. Golus, Greg R. Kruger The Role of Drift-Reducing Nozzles and Spray Additives on Dicamba Efficacy
15.15-15.30	Herbicide application	<u>Milan Brankov</u> , Milena Simić, Miloš Zarić, Natalija Pavlović, Vesna Dragičević The importance of herbicide + adjuvants technics application for the efficacy of maize weed control
15.30-15.45	Discussion and Poster session	
P1	Herbicide persistence, tolerance and resistance	Bernd Sievernich, Xavier Belvaux, <u>Barrie Hunt</u> HRAC Europe – Partner on Weed Resistance Management
P2	Herbicide persistence, tolerance and resistance	<u>Jelena Gajić Umiljendić</u> , Marija Sarić-Krsmanović, Ljiljana Šantrić, Ljiljana Radivojević Tomato sensitivity to simulated soil residues of clomazone
P3	persistence, tolerance and resistance	<u>Miloš Rajković</u> , Miloš Zarić, Milan Brankov <i>Ambrosia psilostachya</i> DC. (Asteraceae): a new threat for Serbian agriculture and possible solutions for chemical control in major crops
15.45-16.15	Coffee break	
FG meeting	Chair	Demosthenis Chachalis, Milena Simić, Miroslav Jursik & Silvia Panozzo
16.15-16.30	Focus Group introduction	
16.30-17.00	FG work	
17.00-17.15	Coffee break	
17.15-17.45	FG discussion	

14.05. TUESDAY

Session 4	Chair	Josef Soukup & Dragana Božić
8.55-9.15	Key note lecture	Kateřina Hamouzová, Veronika Valířková, Pavlína Kořnarová, <u>Josef Soukup</u> Biological end ecological features of barren brome in relation to its control
9.15-9.30	IWM	<u>Miroslav Jursik</u> , Michaela Kolářová, Josef Soukup Integrated <i>Bromus sterilis</i> control in Central Europe
9.30-9.45	IWM	Ioannis Gazoulis, Panagiotis Kanatas, Nikolaos Antonopoulos, Metaxia Kokkini, <u>Marios Danaskos</u> , Anastasia Tsekoura, Triantafyllia Demirtzoglou, Ilias Travlos

The Integrated Effects of Biostimulant Application and Mechanical Weed Control on Weed Growth and Maize (<i>Zea mays</i> L.) Yield		
9.45-10.00	IWM	<u>Vesna Dragičević</u> , Milena Simić, Natalija Pavlović, Milena Šenk, Milan Brankov Integrated Weed Management in maize: the case of crop rotation and pre-emergence herbicides
10.00-10.15	IWM	<u>Maša Buđen</u> , Željko Dolijanović, Nataša Ljubičić, Vesna Dragičević, Miloš Pajić, Milena Simić Effects of Conventional Tillage, Reduced Tillage and Cover Crops on Weed Population
10.15-10.30	IWM	Natalija Pavlović, Milena Simić, Željko Dolijanović, Vesna Dragičević, Milan Brankov Weed and nutrient management in edamame soybean production
10.30-10.45	Discussion	
10.45-11.15	Coffee break	
Session 5	Chair	Christina Wellhausen & Milan Brankov
11.15-11.30	IWM	<u>Ioannis Glykos</u> , Chryssi Kopaka, Aggeliki Petraki, Aggeliki Kousta, Anastasia Tsekoura, Dimosthenis Chachalis, Konstantinos P. Ferentinos, Gerassimos G. Peteinatos Utilizing Convolutional Neural Networks and image analysis to evaluate cover crops coverage in vineyards
11.30-11.45	Biological control	<u>Maja Šćepanović</u> , Laura Pismarović, Valentina Šoštarčić Environmental friendly control of <i>Ambrosia artemisiifolia</i> with a combination of reduced herbicide dose and phenolic acids
11.45-12.00	Biological control	Danijela Šikuljak, <u>Ana Anđelković</u> , Sanja Đurović, Alsadegh Ali Zawia, Mohamed Aibrahim Elahmar, Layth Neseef Bioherbicide potential of <i>Sorghum halepense</i> plant extracts in weed control
12.00-12.15	Biological control	<u>Laura Pismarović</u> , Valentina Šoštarčić, Maja Šćepanović The addition of phenolic acids to reduced doses of herbicides significantly increases the effectiveness against <i>Ambrosia artemisiifolia</i> L.
12.15-12.30	AWM	<u>Silvia Panozzo</u> , Laura Scarabel, Maurizio Sattin and Donato Loddo Living Lab to promote research, development and technological transfer for sustainable weed management in agricultural crops
12.30-12.45	AWM	<u>Milena Simić</u> , Milan Brankov, Vesna Dragičević, Helena Freitas, Ilias Travlos, Alexandros Tataridas Agroecological weed management in Living Labs: the cases of organic and conventional maize and soybean
12.45-13.00	Discussion	
13.00-14.30	Lunch break	
14.30-14.45	IWM	Pasoubady Saravanane Integration of seeding rate and herbicides for effective weed management in dry direct seeded rice
14.45-15.00	IWM	Jovana Krstić, Goran Malidža Band herbicide application and inter-row cultivation as an effective solution for broadleaf weed management in soybean

		Aleksandra Savić
15.00-15.15	IWM	Predicting competition of <i>Ambrosia trifida</i> against <i>Ambrosia artemisiifolia</i> : is there potential for a bigger troublemaker weed?
15.15-15.30	Discussion	
20.00	Dinner and Boat trip on Danube river	
15.05.	WEDNESDAY	
10.00 -13.00	Field visit to Maize Research Institute	
13.00 -13.30	Coffee break	
13.30 - 13.45	<u>Cordingley Matt</u> , Syngenta An Integrated Approach to Weed Resistance Management	
13.45 - 14.00	<u>Rocco Di Modugno</u> , Nenad Krasic, Vittorio Ciambrone, Milena Simic, <u>Azelis doo</u> Benefits of biostimulation on corn hybrids through novel applied natural derived technologies	
14.00 - 14.30	Final discussion and closing remarks	
14.30 - 15.30	Cocktail	
15.30 - 16.00	Demosthenis Chachalis	Wrap up / END

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