



WORKSHOP “TRENDS IN MICROBIAL SOLUTIONS FOR SUSTAINABLE AGRICULTURE” - BELGRADE, SERBIA, SEPTEMBER 13 - 15, 2023 : PRELIMINARY PROGRAMME

Tuesday,
September 12,
2023

ARRIVAL OF PARTICIPANTS AND ACCOMODATION

Wednesday,
September 13,
2023

08:00-09:00	Registration of participants (COFFEE & SNACKS)
09:00-09:40	Welcome address Jelena Begović , Serbian Minister of Science, Technological Development and Innovation Lawrence Banks , Director General of ICGEB, Italy Luciano Catani , Science Attaché, Embassy of Italy in Belgrade, Serbia Ljubiša Stanisavljević , Dean of the Faculty of Biology, University of Belgrade, Serbia
09:45-10:15	Ivica Dimkić (University of Belgrade - Faculty of Biology, Belgrade, Serbia), ORGANIZATIONAL AND INTRODUCTORY LECTURE
Session I <i>Biopesticides, biofertilizers & biostimulants - biological control approach (Vol. 1)</i>	
10:15-10:45	Ken-ichi Yoshida (FEMS Ambassador, Kobe University, Japan): Co-inoculation of <i>Bacillus velezensis</i> strain S141 and <i>Bradyrhizobium</i> strains promotes nodule growth and nitrogen fixation
10:50-11:20	Marc Ongena (University of Liège, Belgium): Ecological and biocontrol functions of secondary metabolites produced by <i>Bacillus velezensis</i>
11:25-11:55	Dennis Obonyo Ndolo (ICGEB, Cape Town, South Africa): Potential of microbial biopesticides in addressing trade challenges
12:00-13:00	LUNCH BREAK
Session II <i>Biopesticides, biofertilizers & biostimulants - biological control approach (Vol. 2)</i>	
13:00-13:30	Monica Höfte (Faculty of Bioscience Engineering, Ghent University, Belgium): Potential of cyclic lipopeptide-producing <i>Pseudomonas</i> strains in biocontrol
13:35-14:05	Jovana Grahovac (University of Novi Sad, Faculty of Technology, Novi Sad, Serbia): Microbial products for agriculture – challenges of technology transfer to commercial application
14:10-14:40	Marina Soković (Institute for Biological Research "Siniša Stanković" - National Institute of Republic of Serbia, University of Belgrade): Biosolution against microbes for safety and sustainable agriculture
14:45-15:15	Antonio Ferrante (University of Milano, Italy): Application of biostimulants for counteract abiotic stresses
15:20-15:50	Slavoljub Vukićević (Fertico DOO, Serbia): TBD
15:50-16:15	COFFEE BREAK
Session III <i>Microbial products for sustainable agriculture (Vol. 1)</i>	
16:15-16:45	Vincenzo Michele Sellitto (Biolchim spa, Italy; University of Timisoara, Romania): Living soil: a new paradigm for an innovative agriculture. A practical case to phytoparasitic nematodes biocontrol using probiotics and prebiotics approach
16:45-17:15	Wolfgang Vogt (Agrobiota, Tübingen, Germany): Diverse functions of microorganisms in agriculture: which function is fulfilled when, or all at once?
17:30-20:00	POSTER PARTY with Serbian beverages & delicates
20:00	Welcome Reception



**Thursday,
September 14,
2023**

08:30-09:00	Registration of participants (COFFEE & SNACKS)
09:00-09:30	Vittorio Venturi (ICGEB, Trieste, Italy): ORGANIZATIONAL AND INTRODUCTORY LECTURE
Session IV <i>Plant-microbe interactions</i>	
09:30-10:00	Alessio Mengoni (University of Florence, Italy): Tailored bioinoculants: deciphering genotype x genotype interaction in the plant microbiome
10:05-10:35	Cayo Ramos Rodríguez (Universidad de Málaga-Spanish Research Council, Málaga, Spain): Crosstalk among virulence determinants in the tumor-inducing bacterial phytopathogen <i>Pseudomonas savastanoi</i>
10:40-11:10	Ines Mandić Mulec (Biotechnical Faculty, University of Ljubljana, Slovenia): Importance of understanding bacterial sociality for the design of plant growth promoting inoculants
11:30-12:00	Stéphane Compant (Austrian Institute of Technology, Tulln, Austria): Bacterial-fungal interactions and impacts on plant growth and health
12:05-12:35	Gergely Maróti (Institute of Plant Biology, Szeged, Hungary; University of Public Service, Faculty of Water Sciences, Baja, Hungary; Seqomics Biotechnology Ltd.): Molecular-level investigation of algal-bacterial interactions and their utilization for plant biostimulation
12:40-13:40	LUNCH BREAK
Session V <i>Plant-microbe interactions and the role of synthetic microbial communities</i>	
13:40-14:10	Vittoria Catara (University of Catania, Italy): Microbiome-assisted selection of endophytic bacteria for the sustainable cultivation of tomatoes in greenhouse
14:15-14:45	Djordje Bajić (Technical University Delft, Delft, The Netherlands): Using fitness landscapes to engineer microbial communities
14:50-15:20	Daniele G. Daffonchio (King Abdullah University of Science and Technology, Thuwal, Saudi Arabia): Bacterial VOCs contrast rice blast infection by inhibiting fungal virulence rather than growth
15:25-15:55	Ákos T. Kovács (Institute of Biology Leiden, Leiden University, The Netherlands): Bacilli in the rhizosphere: interaction and evolution within the biofilm
16:00-16:30	Aleš Lapanje (Jozef Stefan Institute, Ljubljana, Slovenia): Engineering microbial communities by the colloid biology approach
16:35-17:05	COFFEE BREAK
Session VI <i>Microbial products for sustainable agriculture (Vol. 2)</i>	
17:05-17:30	Vincent Lefebvre du Prey (ITAKA Crop Solution, Italy): The place of microorganisms in the transition to new farming systems with reference to science, instruments and agronomy, using greenhouse vegetables as example
17:35-18:05	Vesna Dragičević (Maize research Institute Zemun Polje Belgrade, Serbia): The effects of bio-fertilizer application on grain yield and quality of maize grown in long-term monoculture
19:30	GALA DINNER IN BOTANICAL GARDEN "JEVREMOVAC"



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**Friday,
September 15,
2023**

08:00-13:00	Visit to FERTICO company with lunch break (Indjija, Serbia)
Session VII Microbial products for sustainable agriculture (Vol. 3)	
13:00-13:30	Amitava Rakshit (Banaras Hindu University, Varanasi, India): Seed bio-priming with microbial inoculants: A tailored approach towards improved crop performance, nutritional security, and agricultural sustainability for smallholder farmers
13:35-14:05	József Fail (Institute of Plant Protection, Hungarian University of Agriculture and Life Sciences, Hungary): Challenges in the management of some key horticultural pests
14:10-15:40	Vlad Stoian (Faculty of Agriculture, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, România): The use of microscopic tools for the increase of resolution in mycorrhizal assessment
15:45-16:30	Marko Vinceković (Faculty of Agriculture University of Zagreb, Croatia): New Types of Biofertilizers: Microparticles with biological and chemical active components
16:30-17:00	COFFEE BREAK
17:00-17:30	ORGANIZATIONAL CLOSING REMARKS
18:00	Sightseeing of Belgrade fortress "Kalemegdan" and free evening

- END OF THE PROGRAMME -

*In loving memory of Prof. Dr. Djordje Fira, a great scientist and friend – your presence we miss,
your memories we treasure ...*