

**Symposium S02 - Sustainable Vegetable Production from Seed to Health Booster Sources**

"Nicolae Iorga" Hall, P

Monday, May 13

9.00-9.15					<b>Welcome</b>				
<b>Plenary session - Keynote Speakers invited</b>									
9.15-9.45	S02	O-I	1	<b>Jana Zinkernagel (Keynote speaker)</b>	Current and future approaches in the irrigation of outdoor vegetable crops: How do we meet the challenges?				
9.45-10.15	S02	O-I	2	<b>Francisco Pérez-Alfocea (Keynote speaker)</b>	New advances in vegetable grafting				
<b>Session I- Seed, seedling, and grafting. Chairs: Silvana Nicola and Vasile Stoleru</b>									
10.15-10.30	S02	O-I	3	<b>Delia Cristina Dascalu</b> , Neculai Munteanu, Mihaela Alina Buzatu, Gabriel Ciprian Teliban	Treatments with seaweed-based biostimulants for seed production and seed quality of eggplant				
10.30-10.45	S02	O-I	4	Golgen Bahar Oztekin, <b>Ali Kemal Demircan</b> , Tunç Durdu	Effects of biochar in the seedling growth of lamb's lettuce				
10.45-11.00	S02	O-I	5	<b>Mariateresa Cardarelli</b> , Giuseppe Colla, Valentina Ceccarelli, Catello Pane, Paolo Bonini	Morpho-physiological changes and metabolomic profiles of cucumber seedlings following seed treatment with <i>Trichoderma</i> strains				
<b>11.00-11.30</b>					<b>Coffee Break</b>				
11.30-11.45	S02	O-I	6	<b>Elena Topalova</b>	Increasing the productivity of cucumbers to high nutrient solutions concentration by grafting on different rootstocks				
11.45-12.00	S02	O-I	7	<b>Daniel Leskovar</b> , Chungkeun Lee	Heat stress responses of grafted tomato plants				
12.00-12.15	S02	O-I	8	<b>Yaiza Padilla</b> , Ramón Gisbert-Mullor, Dr. Salvador López-Galarza, Angeles Calatayud	Why does a pepper rootstock confer tolerance to water stress? The case of NIBER				
<b>Session II- Vegetable plant nutrition. Chairs: Yuksel Tuzel and Francisco Pérez-Alfocea</b>									
12.15-12.30	S02	O-II	9	Antonios Chrysargyris, Panayiota Xylia, <b>Nikolaos Tzortzakis</b> ,	Vegetative, physiological, nutritional and antioxidant behavior of <i>Sonchus oleraceus</i> (L.) in response to different nitrogen supply in hydroponics				
12.30-12.45	S02	O-II	10	<b>Antonios Chrysargyris</b> , Stavros Louka, Panayiota Xylia, Nikolaos Tzortzakis	Nitrogen, phosphorus and potassium levels in the nutrient solution affect <i>Sideritis cypria</i> growth, nutritional, and antioxidant status				
12.45-13.00	S02	O-III	11	<b>Jeroen van Arkel</b> , Katarina Cankar, Ric C.H. de Vos, Bart van Droogenbroeck, Anna Twarogowska, Jasper Engel, Jules Beekwilder, Peter Maenhout	Effect of Root Storage and Forcing on the Carbohydrate and Secondary Metabolite Composition of Belgian Endive ( <i>Cichorium intybus</i> L. var. <i>foliosum</i> )				
<b>13.00-14.00</b>					<b>Lunch</b>				
14.00-14.15	S02	O-II	12	Otilia Murariu, <b>Allesio Tallarita</b> , Vasile Stoleru, Francesco De Sio, Mariateresa Rapacciuolo, Luca Sandei, Gianluca Caruso	Yield and quality of asparagus spears as affected by crop method and product type				
14.15-14.30	S02	O-II	13	<b>Ruta Sutuliene</b> , Audrius Pukalskas, Ieva Gudzinskaite, Aiste Balciunaitiene, Simona Tuckute, Rasa Pauliukaite, Kamile Stasyte	Effect of metallic and green-synthesized zinc nanoparticles on growth parameters and quality of swiss chard ( <i>Beta vulgaris</i> ssp. <i>cicla</i> L.) (online)				
14.30-14.45	S02	O-II	14	<b>Ruta Sutuliene</b> , Ausra Brazaityte, Martynas Urbutis, Simona Tuckute, Pavelas Duchovskis	Zinc and copper oxide nanoparticles' combined impact with HPS and LED lighting on enzymatic and non-enzymatic antioxidants of Ice Plant ( <i>Mesembryanthemum crystallinu</i> ) (online)				
14.45-15.00	S02	O-II	15	<b>Stefania Stelluti</b> , Matteo Caser, Sonia Demasi, Esteban Rodriguez Herrero, Irene García-González, Erica Lumini, Valeria Bianciotto, Valentina Scariot	Plant growth promoting rhizobacteria: a sustainable way towards improving yield and quality of saffron				
15.00-15.15	S02	O-II	16	<b>Valeria Navarro Pérez</b> , Francisco García Sánchez, Silvia Simón Grao	Effect of foliar application of seaweed extracts combined with other active ingredients on tomato fruits from plants irrigated with high Boron concentration				

15.15-15.30	S02	O-II	17	<b>Esra Okudur</b> , Yuksel Tuzel, Senanur Tan	Effects of nutrient solution concentration on growth and nutrient concentration of dill ( <i>Anethum graveolens</i> )
15.30-15.45	S02	O-II	18	<b>Olusegun Olubode</b> , Joy Mayowa Ipindola, Olusegun Raji	Sustainable carrots ( <i>Daucus carota</i> ) cultivation methods using organic manure application rates under different plant arrangement methods
15.45-16.00	S02	O-II	19	<b>Carmen Padilla Diaz</b> , Reese Lee, Mark Melchior, Seyedalireza Mirilavasani, Remco Havermans, Sophie Tullemans, Jan van den Berg	Cultivating Nutrition: Investigating Environmental Factors and Variety Effects of Four Cherry Tomato Varieties on Carotenoid Concentration and Taste Perception
<b>16.00-16.30 Coffee Break</b>					
16.30-16.45	S02	O-II	20	<b>Ashraf Tubeileh</b> , Tyler Smith	Effect of Pepper Extract and <i>Trichoderma harzianum</i> on Romaine Lettuce Fresh and Dry Weights
16.45-17.00	S02	O-II	21	<b>Matías Olivera</b> , Elke Meincken, Dieter Lohr	Damage in organically produced potted herbs: Effect of compost amendment and nitrogen fertilization
17.00-17.15	S02	O-II	22	Lilija Duckena, <b>Laila Dubova</b> , Ina Alsina, Dace Silina, Adrija Dorbe, Tetiana Harbovska	Application of new, microorganisms' containing fertilizers in vegetable production
17.15-17.30	S02	O-II	23	<b>Dannisa Fathiya Rachma</b> , Kazuya Maeda, Makoto Shinohara, Dong Hyuk Ahn	Hydroponic Tomato Cultivation using Organic Fertilizer from Bonito Fish-Based Soluble
17.30-17.45	S02	O-II	24	<b>Claudia Dragomir</b> , Gheorghita Hoza, Alexandra Becherescu, Aurora Dobrin, Mihai Frincu, Dorel Hoza, Liliana Badulescu	Optimizing tomato production by using <i>Bacillus sp.</i>
17.45-18.00	S02	O-II	25	<b>Wissem Chaichi</b>	Water stress monitoring on two crops under effects of biofertilizers
<b>Poster Session I. Chairs: Anush Vardanyan and Carmen Padilla Diaz</b>					
	S02	P-I	1	<b>Alexandru Bute</b> , Neculai Munteanu, Petre Marian Brezeanu, Silvica Ambarus, Andreea Antal - Tremurici, Creola Brezeanu	An in-depth analysis of cabbage seed production with 'Silviana' cultivar across varied planting dates and densities
	S02	P-I	2	<b>Delia Cristina Constantin</b> , Mihaela Alina Buzatu, Cristiana Gheorghe	Plant density and fertilization for fruit yield and seed production in round pepper
	S02	P-I	3	Esra Cura, <b>Sevin Teoman Duran</b> , Meryem Ipek	The effects of different dormancy breaking applications on germination in garlic ( <i>Allium sativum</i> L.) seeds
	S02	P-I	4	Kaspars Kampuss, <b>Irina Sivicka</b> , Pavels Semjonovs	Effect of treatment with microalgae extracts on growth and development of tomato seedlings
	S02	P-I	5	<b>Dan Ioan Avasiloaiei</b> , Creola Brezeanu, Claudia Balaita, Andreea Antal-Tremurici, Mariana Calara	Evaluating the efficiency of using biostimulants for sweet pepper seedlings production ( <i>Capsicum Annuum</i> L. var. <i>Grossum</i> ) in an organic system
	S02	P-I	6	<b>Anush Vardanyan</b> , Anna Tadevosyan, Anush Sardaryan, Laura Ghalachyan	Clonal micropropagation and hydroponic combined method for growing <i>Rosmarinus officinalis</i> L. for obtaining plant raw materials in Armenia
	S02	P-I	7	<b>Hisham Wazeer</b> , Enrico Doria, Daniela Buonocore, Anca Macovei	Vegetable waste extracts as priming agents to enhance seed germination
	S02	P-I	8	<b>Arben Mehmeti</b> , Muhamet Zogaj, Hysen Bytyqi, Egzon Kabashi, Drijart Mehmetaj, Labinot Kryeziu, Rainer Waldhardt	Effects of frass in growth and weed occurrence in chamomile ( <i>Matricaria chamomilla</i> L.)
	S02	P-I	9	<b>Francisco Garcia Sanchez</b> , Silvia Simon-Grao, Lourdes Yabor	Presentation of the PRIMA project: Telenitro New low cost strategies of crop based on biodiversity and remote sensing to reduce the application of nitrogen fertilizers in the Mediterranean area
	S02	P-I	10	<b>Oana Raluca Rusu</b> , Gabriel-Ciprian Teliban, Alina Bors, Viorel-Cezar Floristean, Gheorghita Vlad, Alexandru Cojocaru, Mihaela Rosca, Vasile Stoleru	Possibilities of implementing the HACCP plan for a tomato crop
	S02	P-I	11	<b>Sangram Dhumal</b> , Priyanka Shinde, Adhir Aher, Ravindra Pawar, Sima Sarvade, Uday Shinde	Studies on path analysis and correlation of yield with growth and yield contributing traits in fenugreek ( <i>Trigonella foenum-graecum</i> L.)

18.00-20.00

S02	P-I	12	<b>Sangram Dhumal</b> , Shweta Pawar, Ravindra Pawar, Uday Shinde, Sima Sarvade, Parimal Kumbhar	Performance evaluation of cherry tomato genotypes grafted onto different rootstocks in protected cultivation
S02	P-I	13	<b>Sangram Dhumal</b> , Divya Manoj, Ravindra Pawar, Uday Shinde, Vijay Nale, Sima Sarvade	Comparative evaluation of hydroponic systems for growth, yield, and quality of iceberg lettuce ( <i>Lactuca sativa</i> var. <i>capitata</i> )
S02	P-I	14	<b>Anush Vardanyan</b> , Laura Ghalachyan, Anna Tadevosyan, Roza Harutyunyan, Anush Sardaryan, Mahsa Daryadar	Hydroponic <i>Eleutherococcus senticosus</i> (Rupr. & Maxim) as a source of biologically active compounds and herbal tea
S02	P-I	15	<b>Mariyan Yanev</b> , Nikolina Shopova, Nesho Neshev	Dicamba drift on green onions and possibility for overcoming the herbicidal stress by subsequent plant biostimulant application
S02	P-I	16	<b>Mariyan Yanev</b> , Nikolina Shopova	Optimizing the chemical weed control in tomatoes
S02	P-I	17	<b>Mariana Calara</b> , Neculai Munteanu, Dan Ioan Avasiloaiei, Creola Brezeanu, Petre Marian Brezeanu, Andreea Antal-Tremurici, Claudia Balaita	Assessing the allelopathic potential of white clover ( <i>Trifolium repens</i> ) for weed control in organic agriculture on long pepper ( <i>Capsicum annuum</i> convar. <i>longum</i> ) crop
S02	P-I	18	<b>Elsa Valerio</b> , Ana Paula Nunes, Elisabete Figueiredo, Mario Duarte, Maria Godinho	Integrated pest management model to control whitefly ( <i>Bemisia tabaci</i> ) and increase the quality of the processing tomato products
S02	P-I	19	<b>Catalin Ioan Enea</b> , Nichita Negruseri	Protection of the organically produced potato crop against the Colorado beetle
S02	P-I	20	Simona Stefania Hogeia, <b>Gabriela Sovarel</b> , Marcel Costache, Marius Velea	Pest management using predators in cucurbits crops in high tunnels
S02	P-I	21	Viorica Lagunovschi-Luchian, Maria Ojog, <b>Mihaela Iordachescu</b> , Liliana Badulescu	Hot and Spicy - understanding molecular basis of pungency in <i>Capsicum spp</i>
S02	P-I	22	<b>Anush Vardanyan</b> , Laura Ghalachyan, Roza Harutyunyan, Anush Sardaryan, Mahsa Daryadar	Clonal micropropagation of <i>Eleutherococcus senticosus</i> (Rupr. & Maxim.)
S02	P-I	23	<b>Maria Dinu</b> , Rodica Soare, Mihai Botu	Variability of morphological and production characters in some basil genotypes from Romania
S02	P-I	24	<b>Tatiana Novac</b>	The effect of cultivar type on the production of <i>Spinacia oleracea</i> L.
S02	P-I	25	<b>Loredana Mirela Sfirloaga</b> , Stefan Nanu, Aurelia Diaconu, Felicia Fratutu, Diana Iliana	The behavior of the Romec 554j tomato variety ( <i>Lycopersicon esculentum</i> Mill.) on the sandy soils of SCDCPN Dăbuleni
S02	P-I	26	<b>Maria Dinu</b> , Rodica Soare, Mihai Botu	Evaluation of antioxidant activity and compounds in the fruits of some tomato cultivars
S02	P-I	27	<b>Georgiana Radeanu</b> , Cristina Precupeanu, Gabriel-Ciprian Teliban, Alexandru Cojocaru, Vasile Stoleru	Technological perspectives on the effect of some technological factors on the productivity of <i>Phaseolus coccineus</i> L
S02	P-I	28	<b>Cristina Precupeanu</b> , Georgiana Radeanu, Gabriel-Ciprian Teliban, Gianluca Caruso, Vasile Stoleru	Interaction effect of planting time, mulching and fertilization on a perennial wall rocket cultivar
S02	P-I	29	Miriam Romero-Muñoz, Amparo Galvez, M. Jose Delgado-Iniesta, Antonio Sánchez-Navarro, Pura Marín-Sanleandro, Francisco M del Amor, <b>Josefa López-Marín</b>	Evaluation of the Soil-Plant system of a pepper crop ( <i>Capsicum annuum</i> L.) using hydromulching
S02	P-I	30	<b>Amparo Gálvez López</b> , Miriam Romero-Muñoz, Gínés Otálora, Jacinta Collado, Carmen Piñero, Francisco M. Del Amor, Josefa López-Marín	The use of new ecological hydromulching materials improve the productivity of pepper ( <i>Capsicum annuum</i> L.) crops under Mediterranean climate condition
S02	P-I	31	<b>Alexander van Tuyl</b> , Alexander Boedijn, Marc Lanting, Jolanda van Medevoort, Erik de Lange, Andries Koops, Tommaso Barbagli, Martin van Ittersum, Silke Hemming, Cecilia Stanghellini, Wim Voogt	Circular Fertilisers for Soilless Systems: Evaluation Methodology Applied to Phosphorus

Tuesday, May 14

8.00-19.00

Technical Tour

Wednesday, May 15

Session III- New cultivars and perspective crops. Chairs: Silvana Nicola and Jeroen van Arkel

9.00-9.15	S02	O-III	26	<b>Tunç Durdu</b> , Yüksel Tüzel, Omar Saley Harouna, Mahmut Tepecik, Tansel Kaygısız Aşçıoğlu, Gölgen Bahar Öztekin	Effects of water deficit on some local tomato genotypes grown in soil under greenhouse conditions
9.15-9.30	S02	O-III	27	Soumaya Abidi, <b>Alessio Vincenzo Tallarita</b> , Vasile Stoleru, Otilia Cristina Murariu, Amina Abidi, Eugenio Cozzolino, Pasquale Lombardi, Antonio Cuciniello, Roberto Maiello, Vincenzo Cenvinzo, Lamia Hamrouni, Gianluca Caruso, Rafik Balti	Biostimulant effects of algae species, arbuscular mycorrhizal fungi and their combinations on yield and quality of yellow tomato landrace
9.30-9.45	S02	O-III	28	<b>Srija Priyadarsini</b> , Alok Nandi, Saurabh Singh, Maniyam Nedunchezhiyan, Pushpajeet Choudhari, Ajoy Pattanaik	Zombi pea: a neglected potential crop
<b>Session IV - Protected cultivation systems. Chairs: Yüksel Tuzel and Vasile Stoleru</b>					
9.45-10.00	S02	O-IV	29	<b>Eleftheria Stavridou</b> , Jason Hirst	Production of selenium biofortified mizuna microgreens
10.00-10.15	S02	O-IV	30	Angie Alejandra Juyo Buitrago, Juan Sebastián Rodríguez Avella, Jose Daniel Solano Galvis, <b>Rodrigo Gil Castañeda</b>	Adoption of European technologies for greenhouse production by the Colombian horticultural sector
10.15-10.30	S02	O-IV	31	<b>Kazuya Maeda</b> , Dong-Hyuk Ahn	Simple model to predict yield and dry matter production of cucumber ( <i>Cucumis sativus</i> L.) under Japanese greenhouse condition
10.30-10.45	S02	O-IV	32	Esra Okudur, <b>Yüksel Tuzel</b>	Effect of different plant densities on glasswort growth and yield in floating system
10.45-11.00	S02	O-IV	33	<b>Dunkel Theresa</b> , Camps Cédric, Daniel Tran, Robert Farinet	Effect of insect-proof nets on the greenhouse climate and the productivity of a soilless tomato crop
11.00-11.30	<b>Coffee Break</b>				
<b>Session V- Disease and pest control Chairs: Creola Brezeanu and Youssef Rouphael</b>					
11.30-11.45	S02	O-V	34	<b>Marcel Golian</b> , Ivana Mezeyová, Dana Tancinová, Martina Macák	Effect of the essential oils of the species <i>Menta</i> and <i>Occimum</i> on the growth of the species <i>Sclerotinia sclerotiorum</i>
11.45-12.00	S02	O-V	35	Mikel Ojinaga, Jorge Arizmendi, Amaia Otaño, <b>Santiago Larregla del Palacio</b>	Incidence and impact of CPMMoV and CMV in open-air chilli pepper crops in the Basque Country (Northern Spain)
12.00-12.15	S02	O-V	36	<b>Nesibe Ebru Kafkas</b> , Hira Nawaz, Salih Kafkas	Enhancing Tomato Tolerance against water stress and <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> through the artificial application of PGR and biocontrol agents
12.15-12.30	S02	O-V	37	<b>Benjarong Karbowy-Thongbai</b> , Monika Götz	Insights into the occurrence and race distribution of <i>Fulvia fulva</i> (syn. <i>Cladosporium fulvum</i> ) in Germany
12.30-12.45	S02	O-V	38	<b>Onofrio Marco Pistillo</b> , Ilaria D'Isita, Federica Lo Muzio, Michele Acquaviva, Giovanni Iadarola, Marco Coduti, Antonella Marta Di Palma, Giacinto Germinara	Distribution and flight activity of the asparagus moth, <i>Parahypopta caestrum</i> , in Southern Italy as monitored by pheromone traps (online)
12.45-13.00	S02	O-V	39	<b>Prosanta Dash</b> , Bing Guo, Daniel Leskovar	Bioprotection and grafting strategies to suppress pest pressure and improve yield of hydroponically grown organic tomato
13.00-14.00	<b>Lunch</b>				
14.00-14.15	S02	O-V	40	<b>Anna Rosberg</b> , Leòn Pepe Biundo	Biological soil health parameters increase as a consequence of land management change from conventionalized organic production to market gardening
14.15-14.30	S02	O-V	41	<b>Sander Fleerackers</b> , Renik Van den Eynde, Annelies De Roissart, Bram Vanthournout, Sofie Darwich, Femke Temmerman, Ellen Dendauw, Annelien Tack, Joachim Moens	Developing new techniques to integrate in the IPM strategy of cabbage root fly

14.30-14.45	S02	O-VI	42	<b>David Katzin</b>	Virtual Greenhouse Simulator – an open, modular platform for analyzing greenhouse resource use efficiency
<b>Poster Session II. Chairs: Anna Tadevosyan and Daniel Leskovar</b>					
14.45-16.00	S02	P-II	32	<b>Simona Stefania Hoge</b> , Gabriela Sovarel, Marcel Costache, Marius Velea	Biological pest control using predators in cucurbits crops in greenhouses
	S02	P-II	33	<b>Gabriela Sovarel</b> , Simona Stefania Hoge, Ana Emilia Genusa	Biological and conventional control of <i>Sphaerotheca fuliginea</i> and <i>Tetranychus urticae</i> on cucumber crops in greenhouses
	S02	P-II	34	<b>Santiago Larregla del Palacio</b> , Mikel Ojinaga, Carmen María Lacasa, Victoriano Martinez, M Mar Guerrero	<i>Sclerotium rolfsii</i> survival after autumn biodisinfestation in Southeastern Spain
	S02	P-II	35	<b>Alberto Férrez-Gómez</b> , Lidia López-Serrano, María Remedios Romero Aranda, Rafael J. León Morcillo, Jesús Leal-López, Goizeder Almagro, Edurne Baroja-Fernández, Karel Doleal, Javier Pozueta-Romero	Foliar application of fungal culture filtrates enhances fruit yield of tomato plants under suboptimal irrigation conditions
	S02	P-II	36	<b>Giulia Franzoni</b> , Antonio Ferrante, Valerio Mattei, Marco Saracchi, Paolo Cortesi, Matias Pasquali	Streptomyces strains can be used as tomato seed coatings to improve plant fitness
	S02	P-II	37	<b>Anna Tadevosyan</b> , Artur Matevosyan, Anahit Tovmasyan, Armenuhi Asatryan, Stepan Mairapetyan	Planting density impact on yield and nutritional value of <i>Glycine max</i> (L) Merr. under outdoor hydroponics in Armenia
	S02	P-II	38	<b>Anna Tadevosyan</b> , Anahit Tovmasyan, Armenuhi Asatryan, Anjela Stepanyan, Mahsa Daryadar, Artur Matevosyan, Aristakes Ghahramanyan, Stepan Mairapetyan	Comparative characteristics of several biochemical indicators of <i>Ocimum tenuiflorum</i> L. in hydroponic and soil conditions
	S02	P-II	39	<b>Katja Hora</b> , Moritz Graeff, Danny Geelen	Electrophysiology indicates a role for iodine in fast response of <i>Capsicum</i> plants to interrupted irrigation and high temperature
	S02	P-II	40	<b>Daniel Tran</b> , Sandra Anselmo, Robert Farinet, Cédric Camps	Agri-Photovoltaic in greenhouse: optimization of sunlight
	S02	P-II	41	<b>Daniel Popa</b>	The influence of some technological measures on long pepper seed crop <i>Capsicum Annuum</i> -L. Var. <i>longum</i>
	S02	P-II	42	Alexandru Horaicu, Gabriel Ciprian Teliban, Alexandru Cojocaru, Vasile Stoleru, Teodor Stan, <b>Neculai Munteanu</b>	Effect of cultivar and plant density on plant growth, pods yield and grains yield of broad bean ( <i>Vicia faba</i> L.)
	S02	P-II	43	<b>Alena Andrejiová</b> , Ivana Mezeyová, Tomáš Hegedus	Influence of selected soil conditioner on growing parameters of parsley ( <i>Petroselinum crispum</i> (Mill.) Fuss var. <i>tuberosum</i> (Bernh.) Mart. Crov.)
	S02	P-II	44	<b>Nicolas Al Achkar</b>	Effects of Civil Reclaimed Wastewater for the Irrigation of Lettuce ( <i>Lactuca sativa</i> L.) and Zucchini ( <i>Cucurbita pepo</i> L.) in open field
	S02	P-II	45	<b>Ferdinando Branca</b> , Donata Arena, Hajer Ben Ammar, Victor Manuel Rodriguez, Pablo Velasco, Riccardo Cali, Luca Ciccarello, Nicolas Al achkar	Enhancing <i>Brassica oleracea</i> L. Production in Deficit Irrigation Regime Utilizing Elicitors
<b>16.00-16.30</b>	<b>Cofee break</b>				
S02	P-II	46	<b>Nicolas Al Achkar</b> , Greshen Ms. Garcia, Hajer Ben Ammar, Donata Ms. Arena, Sergio Argento, Giulio Flavio Rizzo, Luca Ciccarello, Ferdinando Branca	Enhancing the Water Use Efficiency of Tomato Crop in Cold Greenhouse by using grafted plants	
S02	P-II	47	<b>Ferdinando Branca</b> , Donata Arena, Nicolas Al Achkar, Giulio Flavio Rizzo, Nikola Major, Smiljana Goreta Ban	Improving Light Use Efficiency of Brassicaceae crops for Growing Novel Foods	
S02	P-II	48	<b>Wanda Wadas</b> , Tomasz Kondraciuk	Yield-increasing effect of foliar silicon application in early potato production	



16.30-18.00	S02	P-II	49	<b>Antonios Chrysargyris</b> , Efraimia Hajisolomou, Panayiota Xylia, Nikolaos Tzortzakis	Ammonium to total nitrogen ratio affects the <i>Portulaca oleracea</i> L. growth, nutritional, and antioxidant status
	S02	P-II	50	Raluca Chirita, Maria Apostol, Gabriel-Ciprian Teliban, Teodor Stan, Sven-Erik Jacobsen, <b>Vasile Stoleru</b>	Abiotic stress effect on quinoa species ( <i>Chenopodium quinoa</i> , Willd.) under fertilization management
	S02	P-II	51	<b>Alexandra Becherescu</b> , Gheorghita Hoza, Florin Sala	Dynamics of growth and development in celery under the influence of organic fertilizers
	S02	P-II	52	<b>Liga Lepse</b> , Solvita Zeipina, Marija Gailite	Do higher fertilization doses guarantee higher vegetable yield?
	S02	P-II	53	<b>Evangelos Giannothanasis</b> , Ioannis Karavidas, Orfeas Voutsinos-Frantzis, Theodora Ntanasi, George Spyrou, Athanasios Lampiris, Georgios Karvelis, Anestis Karkanis, Dimitrios Savvas, Georgia Ntatsi	Unlocking the Potential of Underutilized Crops: Evaluation of Wild Leafy Greens in Low-Input Organic Fertigation Systems
	S02	P-II	54	<b>Alicia Sánchez-Sánchez</b> , Virginia Hernández, Pilar Hellín, Pedro Mínguez, Marisa Jiménez-Pérez, Adrián Rodríguez-Burruezo, José Fenoll, Pilar Flores	Physiological and agronomic response of traditional pepper varieties to reduced fertilisation and microbial biostimulant
	S02	P-II	55	<b>Lethabo Sadiki</b> , Zenzile Peter Khetsha, Manare Masowa, Elmarie Van Der Watt	Using silicon-based biostimulant and phosphorus application as a possible solution to improve phosphorus assimilation, growth, and yield of beetroot ( <i>Beta vulgaris</i> L.) grown under multi-stress in South Africa: A short review
	S02	P-II	56	<b>Legodi Lesetja</b> , Zenzile Peter Khetsha, Elmarie Van Der Watt, Manare Masowa	Potential use of seaweed- and silicon-based biostimulants to alleviate the multistresses on tomato ( <i>Solanum lycopersicum</i> L.) in South Africa: A short review
	S02	P-II	57	<b>Jacinta Collado-González</b> , Mari Carmen Piñero, Ginés Otálora Alcón, Josefa Lopez-Marín, Amparo Gálvez, Marta Durán, Miguel Marin Miñano, Jose M. Gambín Sánchez, Jose Sáez, Francisco del Amor	The optimal nitrate/ ammonium- ratio as a suitable strategy to enhance the componentes nutricionales y bioactivos de la lechuga throughout global warming
	S02	P-II	58	Maria Carmen Piñero, Jacinta Collado, Gines Otalora, Josefa Lopez-Marín, Marta Durán, Miguel Marín, Jose Manuel Gambín, <b>Francisco Moisés Del Amor Saavedra</b>	Productivity and quality of Swiss chard ( <i>Beta vulgaris</i> var. <i>cicla</i> ) in aquaponics: fertilization strategies
	S02	P-II	59	<b>Mihaela Alina Buzatu</b> , Delia Cristina Constantin, Gicuta Sbirciog, Cristiana Gheorghe	Treatments application frequency of calcium nitrate used in combination with seaweed-based biostimulants on the seed quantity and quality in round pepper
	S02	P-II	60	<b>Vasile Stoleru</b> , Gabriel Ciprian Teliban, Alexandru Cojocaru, Oana-Raluca Rusu, Teodor Stan, Bianca Gutui, Neculai Munteanu	Future perspectives of organic and conventional fertilizers on the morphological and yield parameters of tomato
	S02	P-II	61	<b>Loredana Mirela Sfirloaga</b>	Variability of quantitative characters in the tomato variety Romec 554j ( <i>Lycopersicon esculentum</i> Mill.) in pedo-climatic conditions from SCDCPN Dăbuleni
S02	P-II	62	Hira Nawaz, <b>Nesibe Ebru Kafkas</b> , Salih Kafkas	Enhancing Tomato Tolerance against water stress and <i>Fusarium oxysporum</i> f. sp. <i>Lycopersici</i> through the artificial application of PGR and biocontrol agents	

Thursday May 16

**Session VI- Strategies for control of abiotic and biotic stress factors. Chairs: Ferdinando Branca and Vasile Stoleru**

9.00-9.15	S02	O-VI	43	<b>Nihan Sahin</b> , Ivan Visentin, Andrea Schubert, Francesca Cardinale	Assessing the Effects of Strigolactone on the Drought Tolerance of Underutilised Tomato Landraces in Farmer Conditions
9.15-9.30	S02	O-VI	44	<b>Lindiwe Khoza</b> , Sydney Mavengahama, Michael Bairu, Willem Jansen van Rensburg, Hintsya Araya, Sonja Venter, Katherine Denby	Yield and growth of different multiple-parent advanced generation inter-cross (MAGIC) amaranth genotypes under varying water regimes
9.30-9.45	S02	O-VI	45	<b>Greta Ricci</b> , Alessandra Francini, Andrea Raffaelli, Luca Sebastiani	Ionomic and metabolomic profile in <i>Solanum lycopersicum</i> L. cv. Micro-Tom under Nickel stress
9.45-10.00	S02	O-VI	46	<b>Victor Escalona</b> , Cristian Hernández-Adasme, Alvaro Peña, Herman Silva	Effect of ambient light enrichment with LED light spectra on the agronomic characteristics and phenolic profile of green lettuces

10.00-10.15	S02	O-VI	47	<b>Rune Vanbeylen</b> , Fjo De Ridder, Herman Marien, Griet Janssen, Kathy Steppe	Comparative analysis of 'plant stress-reducing ventilation' strategies using plant sensors and decision trees across different tomato greenhouses
10.15-10.30	S02	O-VI	48	<b>Evangelos Giannothanas</b> , Vasilios Christou, Georgia Ntatsi, Rodney Thompson, Dimitrios Savvas	Nutrient management in closed-loop soilless culture systems using ion selective electrodes and DSS NUTRISENSE
<b>Session VII- Bio-economy, reuse, and recycle approaches in the system Chairs: Oana Raluca Rusu and Dan Ionut Avasiloaie</b>					
10.30-10.45	S02	O-VII	49	<b>Hildegard Garming</b>	How does production of organic vegetable meet the market demand in Germany?
10.45-11.00	S02	O-VII	50	<b>Marta Czaplicka</b> , Moniak Jurzak, Magdalena Rowinska, Kacper Parypa, Ewelina Gudarowska, Jan Krezel, Janusz Mazurek, Marta Sylla, Katarzyna Tokarczyk-Dorociak, Piotr Chohura, Przemyslaw Babelewski, Miron Lewandowski, Danuta Figurska-Ciura, Marzena Styczynska	Community supported agriculture in terms of a closed system of one enterprise on the example of WUELS as a way to achieve sustainable practices in the supply of horticultural products
11.00-11.15	S02	O-VII	51	<b>Alexander Sentinella</b> , Nele Ameloot, Gerlad Schmilewski	Environmental impacts of different growing media components in soilless culture
<b>11.15-11.45</b>	<b>Cofee break</b>				
<b>Poster Session III. Chairs: Anna Tadevosyan and Daniel Leskovar</b>					
11.45-12.45	S02	P-III	63	<b>Martynas Urbutis</b> , Giedre Samuoliene, Ieva Gudzinskaite	Exploring the Influence of Growth-Related Phytohormones on Lettuce: Photosynthetic Response and Antioxidant Activity
	S02	P-III	64	<b>Lidia López-Serrano</b> , Alberto Férez-Gómez, Rafael J. León Morcillo, Jesús Leal-López, Eurne Baroja-Fernández, Javier Pozueta-Romero	Soil application of acetic acid increases fruit yield through mechanisms involving enhancement of water use efficiency in tomato plants
	S02	P-III	65	<b>Ginés Otálora Alcón</b> , Jacinta Collado-González, Mari Carmen Piñero, Josefa Lopez-Marín, Marta Durán, Amparo Gálvez López, Miguel Marin Miñano, Jose Manuel Gambín Sánchez, Jose Sáez Sironi, Francisco M. del Amor	Effects of exogenous application of melatonin in sweet pepper submitted to heat stress
	S02	P-III	66	Sanelisiwe Satshi, <b>Zenzile Peter Khetsha</b> , Elmarie Van Der Watt, Manare Masowa	Morphophysiological and biochemical recovery response mechanisms of lettuce ( <i>Lactuca sativa</i> L.) to multi-stress stress: Using plant-based biostimulants as alternative strategy
	S02	P-III	67	<b>Alicia Sánchez-Sánchez</b> , Virginia Hernández, Pilar Hellín, Pedro Mínguez, Santiago García-Martínez, Pedro Carbonell, Jose Angel Cabrera, Pilar Flores	Physiological, agronomic, and fruit quality response of traditional tomato varieties grown under low-input conditions
	S02	P-III	68	Mihaela Rosca, Gabriela Mihalache, Gabriel-Ciprian Teliban, Monica Butnariu, Mihaela Covasa, Irina Gabriela Cara, Oana Raluca Rusu, Raluca Maria Hlihor, Michelina Ruocco, <b>Vasile Stoleru</b>	Assessment of perennial wall-rocket ( <i>Diplotaxis tenuifolia</i> ) growth under Pb(II) stress
	S02	P-III	69	<b>Mihaela Ileana Oprea</b> , Daniela Giosanu, Ioan Dorin Sumedrea, Alina Florea	The effects of salinity stress on growth parameters and chlorophyll fluorescence of three cultivars of basil
	S02	P-III	70	<b>Elena Topalova</b> , Emilia Nacheva	Impact of heat and drought stress on the response of the photosynthetic apparatus of potato plants ( <i>Solanum tuberosum</i> L.)
	S02	P-III	71	<b>Anta Sparinska</b> , Liva Purmale, Anna Korica, Gustavs Gulbis, Marija Gailite, Karlis Svirks, Elga Ence, Rafaels Joffe	The Comparative Study of Strawberry ( <i>Fragaria sp.</i> ) Yield and Growth Parameters in Indoor Controlled Environment Agriculture
S02	P-III	72	<b>Arben Mehmeti</b> , Hysen Bytyqi, Muhamet Zogaj, Kaltrina Berisha, Labinot Kryeziu, Dea Hjadini, Adisa Tasholli, Valon Shabiu, Rainer Waldhardt	Agriculture side-stream emergence and circular bio-economy: challenges and opportunities	
12.45-13.00	<b>YMA Ceremony</b>				
13.00-13.15	<b>Closing Ceremony</b>				