



X Southeastern and Eastern Europe Symposium on Vegetables and Potatoes

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May 17 - 21, 2026 | Chania, Crete, Greece

Mediterranean Agronomic Institute of Chania
CIHEAM MAI.Chania



Symposium Program

Organized By



X Southeastern and Eastern Europe
Symposium on
Vegetables and Potatoes
X-SEEV-2026

Symposium Program

May 17 - 21, 2026
Chania, Crete, Greece

Mediterranean Agronomic Institute of Chania, CIHEAM MAI.Chania

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Welcome Message from Organizing Committee

Dear Colleagues and Friends,

It is our great pleasure to welcome you to the X Southeastern and Eastern Europe Symposium on Vegetables and Potatoes, taking place from 17 to 21 May 2026 at the Mediterranean Agronomic Institute of Chania (MAICh), in Crete, Greece.

The Symposium is organized by the Agricultural University of Athens and the International Society for Horticultural Science (ISHS), under the auspices of the ISHS Division Vegetables, Roots and Tubers and the ISHS Working Group Southeastern and Eastern Europe Vegetables and Potatoes, with the support of the ISHS Division Protected Cultivation and Soilless Culture.

We are delighted to host this event at the facilities of MAICh, in the unique setting of Chania, Crete — a region renowned for its agricultural tradition, natural beauty, and warm hospitality.

This Symposium brings together researchers, students, growers, and industry professionals from around the world to exchange knowledge, present innovative research, and discuss current challenges and future perspectives in vegetable and potato production.

The scientific program includes plenary lectures, oral and poster presentations and technical activities covering a broad range of topics, including cultivation practices, greenhouse technologies, plant breeding, plant protection, irrigation and soilless cultivation, climate resilience, postharvest technology, sustainability, circular economy approaches, and emerging environmental challenges in agriculture.

Beyond the scientific program, we hope this Symposium will provide valuable opportunities for collaboration, networking, and the development of new ideas and partnerships. We also hope that your stay in Crete will allow you to experience the island's rich culture, exceptional cuisine, and remarkable landscapes.

We sincerely thank all participants, speakers, sponsors, and contributors for being part of this important event and for helping make the Symposium a meaningful and successful gathering.

We wish you a productive, inspiring, and enjoyable stay in Crete.

With our warmest regards,

The Conveners

Professor Dimitrios **Savvas**

Agricultural University of Athens, Greece

Associate Professor Georgia **Ntatsi**

Agricultural University of Athens, Greece

Professor Nazim **Gruda**

University of Bonn, Germany

Map of MAICh Conference Centre



confer.maich.gr



maps.app.goo.gl/B6n9cwVgHDXkx6zt5

- On-site Registration at MAICh Conference Centre (office secretariat).
- Room: **Aristotle, Thales.**
- Poster area in Thales
- Lunches and Gala Dinner at MAICh Restaurant.

Preliminary Program Overview

Sunday 17th May 2026

18:00 -19:30 **Registration**

19:30 – 21:00 **Welcome refreshments**

Monday 18th May 2026

08:00 - 09:00 **Registration**

09:00 – 09:30 **Opening ceremony**

SESSION I

Organic and non-organic cultivation practices to improve yield and quality

Chairs:	Yüksel Tüzel, Nina Kacjan Marsic
09:30-10:00	<u>Keynote lecture: Organic Vegetable Production: Trends and Challenges</u> <u>Y. Tüzel, T. Durdu, N. Gruda</u>
10.00-10.15	Vigorous Rootstocks and Microbial Inoculation Enhance Organic Pepper Performance <u>A. Nagila</u> , K. M. Crosby, D. I. Leskovar
10.15-10.30	Land-Use Strategies During Organic Transition in Subtropical Vegetable Systems <u>A. da Silva</u> , C. Rodrigues, E. Torres-Quesada, T. Coolong, A. Rabinowitz
10.30-10.45	Effects of zinc biofortification and triacontanol application on yield and quality of different mini-plum tomatoes <u>G. Fichera</u> , C. Cannata, B. B. Consentino, L. Vultaggio, C. Leonardi, R. P. Mauro
10.45-11.00	The effect of grafting on the growth dynamics and yield of cucumber cultivated in nematode-infested soil <u>N. K. Marsic</u>
11:00-11:30	Coffee break

SESSION II

Climate change adaptation and stress resilience

Chairs:	Nazim Gruda, Rui Machado
11:30-12:00	Keynote lecture: How to mitigate the negative impact of climate change on vegetable production? Z. Ilic, L. Milenkovic, L. Sunic
12.00-12.15	Accelerating Climate-Resilient Vegetable Systems in Southeastern Europe through Innovation <u>N. Gruda,</u>
12.15-12.30	Effect of mid-term exposure to flooding on cucumber seedling development <u>T. Makraki,</u> G. Tsaniklidis, D. Fanourakis, E. Vlachogiannakis, G. Ntatsi
12.30-12.45	Evaluation of rhizobacteria applications on drought-stressed eggplant seedlings through physiological and biochemical stress indicators <u>H. F. Boyaci,</u> S. Kiran, B. Furtana, S.S. Ellialtioglu
12.45-13.00	Advancing Sustainable Agriculture, Agrivoltaics, and Energy Efficiency through Organic Electronics <u>Argiris Laskarakis,</u> Stergios Logothetidis
13.00-13.15	The Effect of Different Irrigation Levels on Yield, Water-Yield-Quality Relationship in Pumpkin (<i>Cucurbita pepo</i> L.) <u>A. Akbunar,</u> N. Akbudak
13:15-14:00	Lunch break

SESSION III

Biostimulants and non-chemical means to increase resilience to biotic and abiotic stress (Part I)

Chairs:	Athanasios Koukounaras, Panagiotis Kalozoumis
14:00-14:15	Optimisation of Seaweed-Based Biostimulant Application Timing and Concentration for Improved Yield and Quality in Bell Pepper using TOPSIS-Entropy Analytical Model <u>T. P. Mafeo,</u> D. Mayingisane, T. K. Satekge
14:15-14:30	Postharvest application of melatonin and seaweed extract to maintain tomato fruit quality during ambient storage <u>T. P. Mafeo,</u> K. Satekge, T. Lekaba

14.30-14.45	Optimizing Sweet Pepper (<i>Capsicum annuum</i> L.) Productivity through Varietal Selection and Organic Manure Application in Makurdi, Nigeria <u>E. Agede</u> , N. Odiaka, F. Ugese
14.45-15.00	Yield and macronutrients uptake in potato plants grown with different seaweed-based biostimulants <u>A. Rodriguez-Delfin</u>
15.00-15.15	Physiological and molecular effects of exogenous strigolactone-like molecules in nutrient use efficiency in tomato <u>R. Shen</u> , A. Kaldis, T. Ntanasi, G. Karavidas, A. Voloudakis, G. Ntatsi, F. Cardinale
15.15-15.30	Influence of Humic Acid–Based Biostimulant on Growth, Yield, and Quality of Chili under Saline Conditions <u>T. Zamljen</u> , M. C. Grohar, K. Pirih, A. Slatnar
15:30 - 16:00	Coffee break
16:00 – 17:00	Poster session I

Technical Session

17.00-20.00

Η καλλιέργεια των Κηπευτικών στην εποχή της κλιματικής αλλαγής:

Νέες τεχνολογίες για Νέες Προκλήσεις

Vegetable Production in the Era of Climate Change:

New Technologies for New Challenges

Chairs:	Dimitrios Savvas, Panagiotis Kalozoumis
17:00-17:15	Καλωσόρισμα - Χαίρετισμοί Welcome speech
17:15-17:30	<i>A Successful Crop Cycle - The role of hygiene and biosecurity measures in disease prevention (Επιτυχημένος Κύκλος Καλλιέργειας - Ο ρόλος των μέτρων υγιεινής και βιοασφάλειας στην πρόληψη ασθενειών).</i> Filippos Potsios, <i>ROAM TECHNOLOGY, Belgium</i>
17:30-17:45	<i>Η εφαρμογή καινοτόμων λύσεων στα θερμοκήπια στην πράξη - Απάντηση στο πρόβλημα της κλιματικής αλλαγής και προκλήσεις (The implementation of innovative solutions in greenhouses - the answer to the problem of climate change and current challenges).</i> Vaseilios Firfiris, ΓΕΩΙΔΕΑ - ΓΕΩΘΕΡΜΙΚΗ, Θεσσαλονίκη, Greece

17.45-18.00	<p><i>NUTRISENSE: Σύστημα υποστήριξης αποφάσεων για την διαχείριση της θρέψης - λίπανσης και την ανακύκλωση των απορροών της υδρολίπανσης σε θερμοκηπιακές καλλιέργειες (Decision support system for the management of crop fertilization and the recycling of fertigation effluents in greenhouse crops).</i></p> <p>Panagiotis Kalozoumis, NUTRISENSE PC, Greece</p>
18:00-18:15	<p><i>Specialty Greenhouse Films (Ειδικά φύλλα κάλυψης θερμοκηπίων)</i></p> <p>Dimitrios Doukas, PLASTIKA KRITIS, Greece</p>
18:15-18:30	<p>Επιλογή κατάλληλου υποστρώματος: Ένας κρίσιμος παράγοντας για την επιτυχία μίας υδροπονικής καλλιέργειας (<i>Choosing the right substrate: A critical factor for the success of a soilless cultivation</i>).</p> <p>Emilios Bachlitzanakis, HAGRON, Greece</p>
18:30-18:45	<p>Ημιδιαφανή Φωτοβολταϊκά της ΟΕΤ: Σύγχρονη Γεωργία με επιπλέον Κέρδος για τον Παραγωγό (<i>OET's semitransparent organic photovoltaics: modern agriculture with additional profit for the grower</i>)</p> <p>Sofia Michailidou, OET Energy Technologies, Greece</p>
18:45-19:00	<p>Coffee Break</p>
19:00-19:15	<p>Precision hydroponics as a sustainable solution to the greenhouse industry (<i>Η υδροπονία ακριβείας ως βιώσιμη λύση για τη βιομηχανία θερμοκηπίων</i>)</p> <p>Evangelos N. Drimtzias, IQ Crops Ltd, Greece</p>
19:15-19:30	<p>RIJK ZWAAN: Innovation in breeding (<i>καινοτομίες της RIJK ZWAAN στην βελτίωση κηπευτικών</i>)</p> <p>Koutroumpakis Georgios, RIJK ZWAAN, Greece</p>
19.30-19.45	<p>Η σημασία της κεφαλής υδρολίπανσης ως ολοκληρωμένου συστήματος: Διασύνδεση με μοντέλα βελτιστοποίησης θρέψης, διαχείριση κλίματος και αισθητήρες πεδίου (<i>The importance of the fertigation installation as an integrated system with nutrition optimization models, climate management and field sensors</i>).</p> <p>Dimitris Besis, AGROINVENT, Greece</p>
19.45-20.00	<p>Discussion - Concluding remarks</p>
20:00-21:30	<p>Light Dinner-Finger Food</p>

Tuesday 19th May 2026

SESSION IV

Vegetable and potato propagation, new breeding lines,
genomics, and nurseries

Chairs:	Panagiotis Kalaitzis, Juan Fernandez
08:30-09:00	Keynote lecture: New vegetable products: from native genetic resources to innovative developments in high-consumption species J. A. Fernandez, A. Soma, M. Renna, A. Signore, C. Egea
09.00-09.15	Suppression and over-expression of a prolyl 4 hydroxylase induces changes in fruit growth and ripening program in tomato <u>P. Kalaitzis</u> , N. Kutyrieva-Nowak, A. Leszczuk, E. Giannoutsou, D. Kaloudas, A. Krokida, P. Gemeliari, K. Blazakis, L. Ezzat, M. Sampathianaki, A. Perrakis, S. Shaarani, M. El Tawel, M. Azaoui, Y. Ayeb
09.15-09.30	Germination ecology and dormancy-breaking requirements of the Caucasian wild vegetable <i>Trachystemon orientalis</i> <u>H. F. Boyaci</u> , Ü. Ö. Karagüzel, A. Karatas, M. Erbil, M. Sahin, D. T. Büyükdinc, M. Aydin, H. Yetisir, A. D. Sekerci, E. Unlu
09.30-09.45	Breeding for Drought Tolerance in Eggplant: Evaluation of F5 Inbred Lines with <i>Solanum incanum</i> Introgressions <u>E. Cebeci</u> , F. Boyaci, D. Y. Turgut, B. Aktürk, S. Kiran, S. Elliatoglu
09.45-10.00	From Wild Edible to Cultivated Crop: Assessing the Cultivation Potential of <i>Sonchus oleraceus</i> L. A. Gkotzamani, E. Papoui, A. Georgiadou, P. Mirmigkou, F. Bantis, A. Katsiotis, K. Mattas, <u>A. Koukounaras</u>
10.00-10.15	Agronomic characteristics of tomato genotypes with modified polyamine metabolism A. Karachaliou, V. Riga, P. Tsiouvas, G. Liakopoulos, P. Bresta, D. Nikolopoulos, P. Tavladoraki, S. Chorianopoulou, <u>I. Karapanos</u>
10.15-10.30	Improving genetics for abiotic stress tolerance and beneficial phytochemical content in peppers (<i>Capsicum</i> spp.) <u>K. Crosby</u> , J. Jifon, D. Leskovar, B. Patil
10.30-10.45	Maintaining of Local Vegetable Genetic Resources in Republic of Srpska (Bosnia and Herzegovina) through Participatory On-Farm Approaches <u>Gordana Đurić</u> , Vida Todorović, Nikolina Đekić, Marina Antić, Jelena Davidović Gidas Danijela Kondić
11.00-11.30	Coffee break

SESSION V

Biostimulants and non-chemical means to increase resilience to biotic and abiotic stress (Part II)

Chairs:	Daniel I. Leskovar, Xun Li
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11:30-11:45	Occurrence of Bacterial Spot of Tomato, Incited by <i>Xanthomonas</i> spp., in Illinois, USA and Managing the Disease <u>M. Babadoost</u> , S. Khanal
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11.45-12.00	Selenium biofortification and an <i>Ecklonia maxima</i> seaweed extract-based biostimulant mutually control yield and quality of zucchini squash (<i>Cucurbita pepo</i> L.) cultivated under tunnel <u>P. Bellitto</u> , F. Mancuso, B.B. Consentino, L. Vultaggio, G. G. La Placa, M. R. Centineo, G. Ntatsi, S. La Bella, L. Sabatino
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12.00-12.15	The Role of Microalgae Fertilization in Enhancing Growth and Development of Pepper S. T. Duran, N.Akbudak, <u>U. Tekkesin</u>
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12.15-12.30	The Effects of Microalgae Treatments on Fruit Quality of Cucumber (<i>Cucumis sativus</i> L.) A. N. Gunaydin, U. Tekkesin, <u>S. T. Duran</u> , N. Akbudak
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12.30-12.45	The importance of environmental conditions for the effectiveness of biostimulants in lettuce production <u>A. Slatnar</u> , T. Rozman, R. Cvejic, K. Pirih
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12.45-13.00	Optimizing Nutrient Efficiency: A Comparative Study of Azotobacter Enhanced Granular Fertilizers as a Biostimulant Delivery System for Greenhouse Lettuce Production Sissy Efthimiadou
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13:00-14:00	Lunch break
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FAO workshop (Session A')

14.00 – 14.15	Opening & Methodological Framework Dr. Urbashi Hazarika, FAO REU, and Prof. Dr. Nazim Gruda, University of Bonn, Germany
14.15-15.35	Structured Country Contributions
A. Diversification Gaps & Production Structure	
14.15-14.25	Agri-food system and diversification gaps in South-Eastern Europe Gordana Đurić, University of Banja Luka and Foundation Alica, Banja Luka, Bosnia and Herzegovina
B. Climate Risk–Productivity Interaction	
14.25-14.35	Climate Resilience through Vegetable Landraces in Türkiye Yüksel Tüzel, Professor, Ege University, İzmir, Türkiye
14.35-14.45	Harnessing Local Varieties for Climate Resilience in Armenia Alvina Avagyan, Leading Researcher and Genebank Manager at the Scientific Center of Vegetable and Industrial Crops of the Ministry of Economy, Armenia
C. Genetic Resources, Erosion Risks, Seed Systems & Institutional Barriers	
14.45-14.55	Landraces and Biodiversity in Romania: Challenges and Opportunities Elena Barcanu, Director and Senior Researcher, Vegetable Research and Development Station, Buzău, Romania
14.55-15.05	Integrating Local Genetic Resources with Regenerative Management of Vegetables in Latvia Liga Lepse, Leading Researcher, Institute of Horticulture, Latvia
15:05-15.15	Biodiversity and Local Landraces from Georgia and the South Caucasus Region Tamar Jinjikhadze, Scientific-Research Center of Agriculture (SRCA), Georgia
15.15-15.25	Plant genetic resources in Kyrgyzstan Mederbek Zhaanbaev, Department of Horticulture and Agronomy, Faculty of Agriculture, Kyrgyz-Turkish Manas University, Bishkek, Kyrgyz Republic
15.35-16.00	D. Comparative Synthesis Discussion
16:00-16:30	Coffee break
16.30-18.30	Poster Session II
19:00-22:00	Gala Dinner

Wednesday 20th May 2026

SESSION VI

Greenhouse and indoor vegetable production

Chairs:	Dimitrios Savvas, Zoran Ilic
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09:00-09:30	Optimising nutrient management in greenhouse crops using specialised DSS and novel sensors <u>D. Savvas</u>, E. Karousis, P. Kalozoumis, M. Myristopoulou, S. Drakatos
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09.30-09.45	The combined effects of selenium application and CO ₂ fertilization on mineral nutrients accumulation in each organ of cucumber plants W. Xu, Z. Shu, N. Gruda, Z. Duan, <u>X. Li</u>
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09.45-10.00	The Use of Vertical Farming for Growing Seed Potatoes to De-risk Potato Production in Southern and Eastern Europe <u>M. Bellett-Travers</u> , J. Hawkins-Row
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10.00-10.15	Preliminary results supporting the domestication of golden thistle (<i>Scolymus hispanicus</i> L.) through photoperiod and light intensity management <u>D. Papadimitriou</u> , C. E. Moschou, N. Markakis, I. Sabathianakis, F. Galliou, I. Christoforakis, D. Savvas, T. Manios
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10.15-10.30	Effect of a cell-free supernatant biostimulant on qualitative and quantitative features of <i>Pisum sativum</i> L. microgreens <u>F. Mancuso</u> , B. B. Consentino, I. Vultaggio, P. Bellito, G.G. La Placa, G. Ntatsi, S. La Bella, L. Sabatino
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11:00-11:30	Coffee break
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FAO workshop (Session B')

11.30-13.00	Final Product Structure, Methodology, and Responsibilities – A discussion round
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13.00-14.00	Lunch break
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Session VII

Modelling, postharvest technologies and quality in vegetable production

Chairs:	Ioannis Karapanos, Gierde Samuoliene
14.00-14.30	Keynote lecture: Towards Climate-Resilient and Sustainable Vegetable and Potato Production: Innovations and Circular Solutions G. Samuoliene
14.30-14.45	Yield gap assessment revisited: combining the effects of unit operations and environmental impact E. Schrevens
14.45-15.00	Towards Robust Disease Detection in Potato Tubers Without Model Training K. Gkountakos, <u>K. Demestichas</u> , S. Pasion, K. Ioannidis, S. Vrochidis, I. Kompatsiaris
15.00-15.15	Integrative understanding of chilling injury mechanism among structural alteration, antioxidant scavenging metabolism and lipidomics into cold-stored fruit of yellow paprika (<i>Capsicum annuum</i> L.) <u>J. Lee</u> , S. Byeon, T. T. Latt, H. Park, J. Park, J. Jo
15.15-15.30	Influence of preharvest Selenium biofortification on cherry tomato fruit quality during cold storage P. Mauro, <u>C. Cannata</u> , F. Basile, G. Fichera, F. Adorna, C. Leonardi
15.30-15.45	Impact of the type of plastic film used for soil mulching in greenhouse-grown strawberry on fruit quality <u>D. Savvas</u> , P. Kalozoumis, M. Myristopoulou, A. Spanoudaki, E. Karousis
16.00-16.30	Coffee break
16:30-17.30	Working Group Business Meeting
17:30 - 18:30	Closing Ceremony (including young mind awards)

Thursday 21st May 2024

08:00-19:00	Field and Cultural Trip
8.00	Departure to Kountoura
10.00 -11.00	Greenhouse visit in Kountoura
11.00	Departure to Falasarna
12.30-13.30	Greenhouse visit in Falasarna (Cucumber soil grown crop)
13.30 - 14.30	Lunch at Falasarna
14.30-15.30	Greenhouse visit (Soilless cropping system)
15.30-17.00	Return to Chania city
17.00-18.30	Chania city tour
18.30-19.00	Return to MAICh center

Monday 18th May 2026

16:00-17:00

POSTER SESSION I.

**Organic and non-organic cultivation practices to improve yield and quality
Vegetable and potato propagation, new breeding lines, genomics, and
nurseries**

Climate change adaptation and stress resilience

- 1. Co-application of Compost and Walnut Shells: Effects on Soil Fertility and Lettuce Yield**
R. Machado, I. Alves-Pereira, M. Amaral Amaral, G. Gomes, R. Ferreira
- 2. Domestication potential of two wild vegetables (*Rumex crispus* L. and *Astrodaucus orientalis* (L.)) under soil and soilless cultivation of the Ararat Valley**
M. Daryadar, A. Tadevosyan, H.R. Roosta, M. Ghorbanpour, A. Stepanyan, A. Ghahramanyan, a. Gasparyan, A. Matevosyan
- 3. Synergistic effects of crop rotation, reduced fertilization, and microbial inoculants on soil fertility and yield stability in a mediterranean horticultural system**
J.A. Fernandez, I. Ollio, R. Zornoza, E. Lloret, S. Martinez-Martinez, C. Egea
- 4. Purslane (*Portulaca oleracea* L.) wild edible vegetables -future superfood**
Z. Ilic, L. Milenkovic, L. Stanojevic, A. Milenkovic, L. Sunic, J. Staanojevic
- 5. Weeds as natural reservoirs of plant viruses in pepper crops produced under different cultivation practices**
B. Drvoshanova, K.B. Oreshkovikj, M.G.Kovachevikj, G. Glatkova, G. Popsimonova
- 6. Marker-Assisted Evaluation of Virus Resistance Genes in Pepper (*Capsicum spp.*) Genotypes**
A. Kahraman, S. Binbir
- 7. Pre-grafting tomato and watermelon scions' quality is affected by different LED light treatments**
A. Gkotzamani, C. Dangitsis, A. Kyranoudi, P. Mirmigkou, A. Koukounaras
- 8. Wild vegetables as drivers of sustainability and resilience in Mediterranean bushlands: The MedSEVa Project**
A. Gkotzamani, P. Mirmigkou, E. Papouj, A. Koukounaras

9. **Agronomic evaluation of purslane (*Portulaca oleracea* L.) genotypes in low-input multiharvest field production system**
I. Kollárová, I. Mezeyová
10. **Synergistic Effects of *Trichoderma harzianum* and Integrated Fertilization Regimes on Agronomic Performance and Fruit Quality of 'Amfora' Pepper (*Capsicum annuum* L.)**
G. Popsimonova, B. Drvoshanova, K. B. Oreshkovikj, H. Poposka, M.G. Kovachevikj
11. **Effects of cold plasma treatment on germination dynamics and early seedling development in common bean (*Phaseolus vulgaris* L.)**
O. L. Agapie, V. Manea, E. Barcanu-Tudor, A. Nita, A. Ms. Toader, B. Mitu, C. Chireceanu
12. **Agronomical potential and varietal screening of Mint and Shiso cultivars in controlled environment agriculture**
G. Carron, C. Camps, D. Tran
13. **Harvest Timing and Inflorescence Position Effects on Seed Germination of Golden Thistle (*Scolymus hispanicus* L.)**
A. Moschou, D. M. Papadimitriou, M. Dragassaki, E. Kontaxakis
14. **Growth, Nutritional and Antioxidant Responses of *Mesembryanthemum crystallinum* and *Amaranthus retroflexus* under Organic and Conventional Fertilisation**
G. Ntatsi, T. Ntanasi, i. Karavidas, E. Giannothanasis, G. P. Spyrou, S. Marka, M. Zografaki, D. Savvas, I. Sabatino, A. Karkanis
15. **Effect of Organic and Conventional Fertilisation on Yield and Quality of *Portulaca oleracea* Cultivated under Open-Field Conditions**
G. Ntatsi, I. Karavidas, T. Ntanasi, G.P. Spyrou, E. Giannothanasis, M.E. Zografaki, S. Marka, D. Savvas, L. Sabatino, A. Karkanis

Tuesday 19th May 2026

16:30-18:30

POSTER SESSION II

**Biostimulants and non-chemical means to increase resilience
to biotic and abiotic stress**

Greenhouse and indoor vegetable production

Postharvest technologies, Circular economy and Life Cycle Assessment

16. **Browning inhibition and quality maintenance of fresh-cut broccoli (*Brassica oleracea* var. *italica*) by betel and holy basil essential oil treatment**
N. Yonsawad, A. Srichan, K. Saetiew, M. Teerarak
17. **LED lighting spectra effects on yield and mineral composition of radish microgreens**
B. Benko, M. Pejic, R. Vrkcic, S. Radman, M. Petek, S. F. Uher, N. Opacic
18. **The effect of vanadium on the growth of very early potato cultivars**
W. Wadas, T. Kondraciuk
19. **Frequency of foliar treatments with calcium nitrate in combination with a stimulator on fruit and seed production and on the mass of 1000 seeds in round pepper**
M. A. Buzatu, D. C. Constantin, G. Sbirciog, M. Paraschiv
20. **Integrated pest control of *Tetranychus urticae* (Koch.) in melon crops under high plastic tunnel**
S. S. Hoge, G. Sovarel, A. Cenus, M. Costache
21. **Biological and conventional control of *Alternaria solani* and *Fulvia fulva* on tomatoes crops in greenhouses**
G. Sovarel, S. Hoge
22. **Seaweed Extract Improved Yield of Parthenocarpic Cucumbers in an Organic High Tunnel System**
A. Nagila, D. I. Leskovar
23. **Some Biochemical Parameters of *Bilacunaria microcarpa* (M. Bieb.) Pimenov & V.N. Tikhom., cultivated under soil and hydroponic conditions in Armenia**
M. Daryadar, A. Matevosyan, H. R. Roosta, M. Ghorbanpour, A. Ghahramanyan, A. Stepanyan, A. Tadevosyan

24. **Postharvest Sanitizer Performance Against *Salmonella enterica* on Lettuce Roots**
C. Rodrigues, E. T. Sandoval, V.H.M. Machado da Cruz, M. Trandel-Hayse, A.L.B. Ribeiro da Silva
25. **Yield and Quality Traits of Off-Season Carrot as Affected by Nitrogen Supply and a Plant-Derived Biostimulant**
R. P. Mauro, C. Cannata, F. Basile, G. Fichera, F. Adorna, C. Leonardi
26. **Concentration of Nutrient Solution in Outdoor Hydroponic Cultivation of Kale and Bok Choy in Armenia**
M. Daryadar, A. Tovmasyan, A. Tadevosyan, A. Asatryan, A. Stepanyan, S. Mairapetyan
27. **Sensory Evaluation of Fruit Juices Fortified with Aromatic Herbs**
J. Mezey, I. Mezeyová, A. Selnekovic
28. **Effects of *Portulaca oleracea* and *Salicornia europaea* on soilless tomato cultivation in saline conditions**
Y. Tüzel, I. Civaroglu, T. Durdu
29. **Changes in Chlorophyll Content of Basil (*Ocimum basilicum* L.) Grown under Different Hydroponic Fertilization Regimes**
I. Mezeyova, M. Slosar, M. Golian, A. Andrejiová, S. Gazo, J. Mezey
30. **Effects of Nutrient Management on Growth Parameters of Basil (*Ocimum basilicum* L., cv. Purple Opal) Cultivated Hydroponically**
A. Andrejiová, I. Mezeyová, M. Slosar, M. Golian, J. Mezey, N. Menyhart
31. **Optimization of Growing Conditions in an Autonomous Hydroponic Cultivation System for Leafy Vegetables and Herbs**
M. Slosar, A. Andrejiova, M. Golian, I. Mezeyova
32. **Biostimulant-Driven Improvements in Yield and Nutritional Quality of Hydroponic Spinach Grown in Floating Culture**
N. Gruda, A.A. Kaygisiz, H. Y. Dasgan, S. Balik
33. **Automated drip irrigation strategy in a hydroponic greenhouse using a lysimetric control system**
S. Toscano, T. La Malfa, A. Maio, F. Calderone, E. Bonanno, F. Gresta
34. **Agronomical evaluation of hydroponically grown coriander cultivars in vertical farming**
C. Tran, G. Carron, C. Camps
35. **Impact of supplying a nutrient solution contaminated with microplastics in strawberry cultivated in rockwool or coir on plant development, fruit production and quality characteristics**
P. Kalozoumis, I. Mazi, E. Martinis, E. Fletmetakis, S. Marka, M. E. Zografaki, D. Savvas

36. **Effect of *Streptomyces violaceoruber* and different doses of zinc on eggplant grown in open field**
B.B Consentino, L. Vultaggio, P. Bellitto, F. Mancuso, G. G. La Placa, G. Ntatsi, C. Cannata, R.P. Mauro, S. La Bella, L. Sabatino
37. **Is Zn citrate less phytotoxic than Zn chelate when used in an agronomic biofortification program of curly endive grown in hydroponic system?**
L. Vultaggio, B. B. Consentino, F. Mancuso, P. Bellitto, G. G. La Placa, G. Ntatsi, G. Fichera, R. P. Mauro, S. La Bella, L. Sabatino

Guidelines for presentations

Plenary talks

- ✓ Take place in Room 2. (Aristotle)
- ✓ Speakers to check their presentations prior to their session; a PC will be available to upload files, but own laptops can be also used.

Sponsors

- ✓ 15min presentation in dedicated session in Room 2; please check presentation prior to session.

Chairs

- ✓ To be in touch with presenters prior to the session and make sure all session presentations are
- ✓ playing/displayed properly prior to the session.
- ✓ To make sure presentations do not start before the indicated starting time of the Program.
- ✓ To make a short introduction to the presenter prior to his/her/it talk.
- ✓ To notify the presenters 2min before the end of the 12min presentation duration time.
- ✓ To coordinate and encourage Q&A after each presentation; request name and affiliation of the colleagues asking questions.
- ✓ In case of no show, kindly wait until the next scheduled presentation.

Posters

- ✓ Posters must be set up one day before the presentation in the designated area inside Room 4 (Thales). Boards with size 0,85m (width) x 1,20m (height) will be available. Adhesive material will be provided on the site.
- ✓ Become available to discuss your posters with participants stopping by during the conference.
- ✓ Posters must be removed at the end of the session, and the area should be left clear for use by the speakers of the following day.

Participants

- ✓ You are kindly advised not to enter rooms while presentations take place, to avoid disturbance.
- ✓ During Q&A identify yourself (name/affiliation).

Health and Safety

SELF-ISOLATION/QUARANTINE (in case of a serious epidemic):

While the Institute takes all precautions to avoid contamination, in case of a confirmed e.g. COVID case in the Institute, you may be asked to self-isolate and/or quarantine. Please note that you are **OBLIGED** to do this if you are asked to by the state authorities. Please be aware at all times to wash your hands regularly, and to use disinfectant wherever possible. While MAICH takes every care to ensure your health and safety on the campus, you are personally responsible for your own safety. Please show **PERSONAL RESPONSIBILITY** at all times.

IN CASE OF FIRE:

- ✓ Stay calm and don't panic; Call the fire brigade immediately: **199**
- ✓ If you know how to use a fire extinguisher, use it to put out the fire before the fire spreads; Evacuate the building according to the plans on display in each area; Gather at the assembly area as specified in the plan on display in the building; If you can't leave the room, seal the doors and windows in order not to help the fire spread.

IN CASE OF EARTHQUAKE:

- ✓ Stay calm and don't panic; Stay away from furniture or objects which can fall on you
- ✓ Find shelter under a table or desk or next to a solid piece of furniture (in a safe triangle). If there is no suitable furniture, crouch in the middle of the room and cover your head with your hands
- ✓ Find shelter under the frame of a door; Stay away from glass surfaces; Do not go out onto the balcony; Do not run towards the exit; Do not use the elevator; After the shaking stops completely, leave the building with caution; Remember: do not run; Gather at the assembly area as specified in the plans on display.

Students/visitors are responsible for their personal belongings in their rooms. In the case of loss, the Institute bears no responsibility. Students/visitors must keep their door locked when they are absent from their room. The Institute holds no responsibility for lost or stolen personal items.

AT ALL TIMES: Please consider all the people who use the Institute's facilities, as well as the cleaning ladies who need to clean up afterwards. All students/visitors are required to adhere to these rules of cleanliness.

Useful Information

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AUTHORITIES

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Port Authority: +30 2821 0 98888

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Hospital of Chania: +30 2821 0 22000

Private Clinique “IASIS”: +30 2821 0 70800

Private Clinique
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RECEIPTS/INVOICES: You should have already received your receipt/invoice through email. In case there is no receipt/invoice received so far, please contact the conference secretariat.

CONFERENCE BADGES: Will be provided upon registration. Badges function as tickets for the conference rooms and for the “Mediterranean” Restaurant, which is located in the conference venue. Therefore, badges should be worn at all times.

LANGUAGE: The official language of the conference is English.



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Participants must arrange transportation independently
Taxi estimated cost to/from airport: 30€



Bus No. 13 connects MAICH with the city.

Stops: Square 1866 & AGORA terminal.

More info: Chania City Bus website



Photos will be taken during the event for marketing. All the photos will be displayed on the monitor located outside the Conference Center Office of MAICH during the conference. If you do not wish to be photographed, or you wish to delete a photo please inform the conference secretariat at MAICH.

The conference secretariat is open during the conference hours and willing to help and assist participants.

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