

**The 11th International Mediterranean Symposium on
Medicinal and Aromatic Plants**

**MESMAP - 11
PROGRAM BOOK**

23.04.2025

May 6th – 8th, 2025

**Rimini - Expo Centre Meeting Halls
Rimini - Italy**

CHAIRS OF MESMAP-11

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Department of Biology, Faculty of Arts and Sciences

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*Alphabetically ordered

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- SILAE – Società Italo-Latinoamericana di Etnomedicina
- CTFC – Centre Forestal Centre Tecnològic Forestal de Catalunya
- INRGREF – National Research Institute of Rural Engineering, Water and Forests
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- Evoluzioneservizi
- Marvil Engineering
- Research Institute for Medicinal Plants and Herbs, Ltd. Hungary

MESMAP – 11
ORAL PROGRAM

6 May 2025, TUESDAY

10.00 – 17.00

REGISTRATION

12.30 – 13.00

• OPENING CEREMONY & OPENING SPEECHES

Prof. Dr. Nazım ŞEKEROĞLU

Chair of MESMAP Symposiums

Andrea PRIMAVERA

President of Local Committee

FIPPO – Perugia, ITALY

• PLAQUE PRESENTATIONS

• MESMAP SYMPOSIUM GROUP PHOTO

SALON A / SESSION – I

CHAIRS: Prof. Dr. Patrícia Rijo & Prof. Dr. Ákos Máthé

13.00 – 13.30	<p>Honorary Speaker: PROF. DR. HAKKI ALMA Rector of Iğdir University Department of Industrial Engineering of Forestry, Faculty of Forestry Iğdir, TÜRKİYE</p> <p>“Innovative Extraction Methods for Medicinal Plants”</p>
13.30 – 14.00	<p>Invited Lecturer: PROF. DR. RANDOLPH ARROO De Montfort University, Leicester School of Pharmacy Leicester, UK</p> <p>“Mediterranean Diet and the Gut-Brain Axis”</p>
14.00 – 14.30	<p>Invited Lecturer: PROF. DR. HÜSNÜ CAN BAŞER Near East University, Pharmacy Faculty Pharmacognosy Department, Nicosia, TRNC</p> <p>“Essential Oils and Aromatic Plants of Cyprus”</p>

<p>14.30 – 15.00</p>	<p>Invited Lecturer: PROF. DR. JOACHIM MÜLLER University of Hohenheim, Institute of Agricultural Engineering, Stuttgart, GERMANY</p> <p>“Energy-efficient and Quality-Preserving Drying of Medicinal and Aromatic Plants”</p>
<p>15.00 – 15.10</p>	<p><i>SCORPION ENGINEERING</i></p> <p><i>Ms. Anna Strzelec</i></p> <p><i>“From field to tea- bag; zero waste raw material processing with using „Scorpion” machines”</i></p>
<p>15.10 – 15.30</p>	<p>COFFEE BREAK</p>

SALON A / SESSION – II

CHAIRS: Prof. Dr. Hakki Alma & Prof. Dr. Joachim Müller

15.30 – 16.00

Invited Lecturer: PROF. DR. PATRÍCIA RIJO

CBIOS – Research Center for Biosciences & Health Technologies,
Universidade Lusófona de Humanidades e Tecnologias, Campo Grande,
Lisboa, **PORTUGAL**

“*Plectranthus*: Exploring Medicinal Properties”

16.00 – 16.30

Invited Lecturer: PROF. DR. ÁKOS MÁTHÉ

University of West Hungary Faculty of Agriculture and Food Industry
Vár 2, 9200 Mosonmagyaróvár, **HUNGARY**

“Medicinal and Aromatic Plants Bridging Past to the Future”

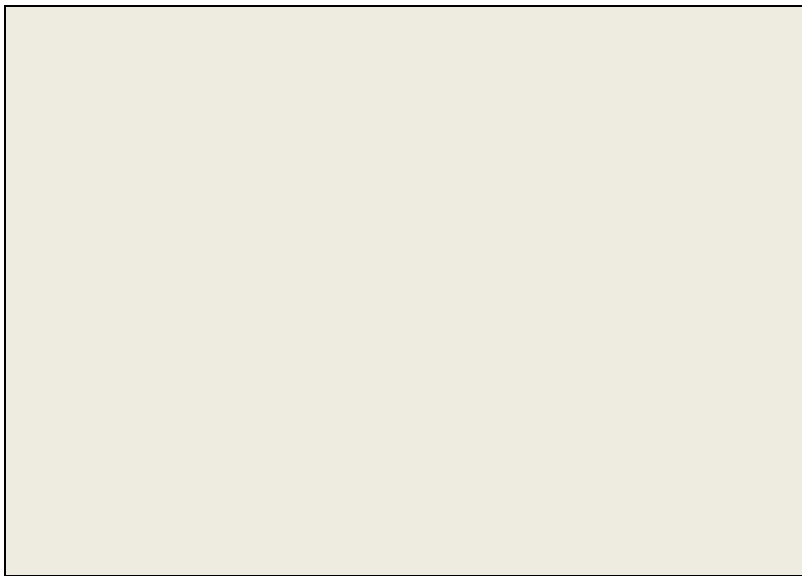
16.30 – 17.00

Invited Lecturer: PROF. DR. IREM TATLI CANKAYA

Hacettepe University, Pharmacy Faculty, Pharmaceutical Botany
Department, Ankara, **TÜRKİYE**

**“Bridging Tradition with Innovation and Unlocking Nature's
Therapeutic Potential”**

17.00 – 17.30	Invited Lecturer: PROF.DR. SHI LEI State Key Laboratory of Plant Diversity and Specialty Crops, Institute of Botany, Chinese Academy of Sciences, CHINA “ Studies on Oregano Molecular Breeding, Synthesis Mechanism of Carvacrol and Antibacterial Function ”
17.30 – 17.40	<i>Marvil Engineering</i> <i>Mercadini Massimo</i> <i>Eco-friendly fumigation</i>
17.00 – 19.00	MACFRUT WELCOME COTAIL



7 MAY 2025, WEDNESDAY

SALON A / SESSION – III

CHAIRS: Andrea Primavera & Irem Tatli Cankaya

10.30 – 12.30

ROUND TABLE

**“The Herbal Supply Chain: A Quality Assurance for
Natural Products Market”**

MESMAP-11 Participation with free of charge

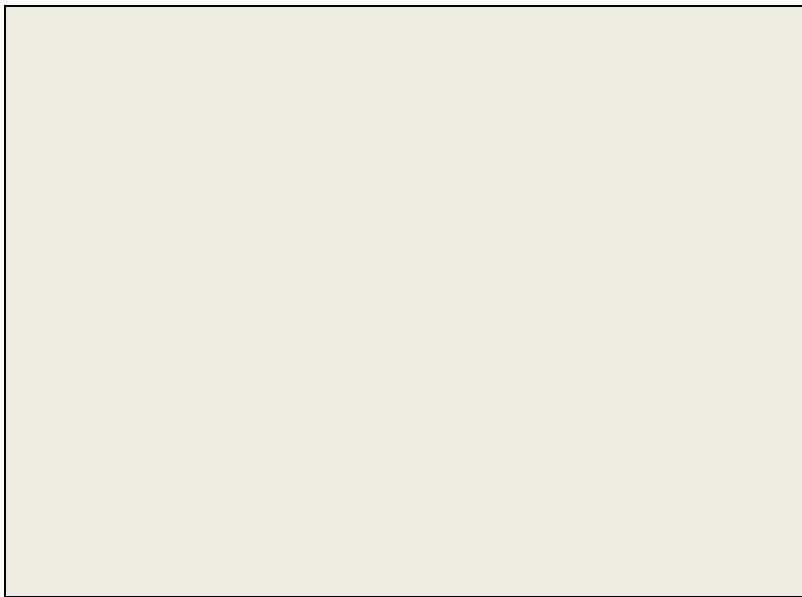
12.30 – 13.00

LUNCH BREAK

SALON B / SESSION – IV

10.00 – 12.30	CHAIRS: Ákos Máthé & K. Husnu Can Baser
10.00 – 10.30	Invited Lecturer: PROF. DR. İPEK SÜNTAR Gazi University, Faculty of Pharmacy, Department of Pharmacognosy, Ankara, TURKIYE “Medicinal plants as promising agents for tissue repair and regeneration”
OP-1	Garlic extracts nanoliposomes as an enhancer of the bioavailability of aba and thiamine content, and as an antifungal agent against <i>Fusarium oxysporum</i> f.sp. Pisi infecting <i>Pisum sativum</i> Eszter Virág, Barbara Kutasy
OP-2	The determination of genetic relationships and diversity among <i>Muscari neglectum</i> and <i>Muscari armeniacum</i> populations by using issr marker Meryem Bozkurt, Tuna Uysal
OP-3	Bioactive compounds in yerba mate: A new perspective on immune cell modulation Kathrin Moser, Elisa Talker, Christina Trojacher, Nestor Zárate, Tanja Gerlza, Andreas Kung
OP-4	Karyomorphological and palynological characteristics of three endemic <i>Hyacinthella</i> (asparagaceae) taxa in Turkiye Kuddisi Ertuğrul, Murat Coşkuner, Meryem Bozkurt, Tuna Uysal
OP-5	Genetically modified medicinal and aromatic plants Merve Göre, Ayşe Betül Avcı

OP-6	Assessment of the neuroprotective effects of the flavonoid NRGN on hippocampal dysfunction induced by postnatal maternal deprivation <u>Duaa Aqaili, Mohamed Bendary, Safa Almaghrabi, Siddig Abdelwahab, Sivakumar Moni, Manal Alhassan, Marwa Qadri</u>
OP-7	Investigation of genes and key factors associated with drought resistance in medicinal plants: Insights into genetic and environmental interaction, <u>Elmira Ziya Motalebipour, Akbar Pirestani</u>
OP-8	A comprehensively comparison of two closely related <i>Muscari</i> species and their conservation status <u>Tuna Uysal, Meryem Bozkurt, Ahmet Aksoy, Ela Nur Şimşek Sezer, Kuddisi Ertuğrul</u>
OP-9	Effect of basil oil extract on a target group of house mosquitoes culex pipiens <u>Gacem Habiba, Halfaoui Zahra Noujoum, Khafalla Imene, Rizi Hadia, Habbachi Wafa</u>
OP-10	Biological activity assessment of different parts of <i>Hedysarum anatolicum</i> , <u>Tuna Uysal, Atif Abdulazeez Khudhur Al Dabbagh, Ela Nur Şimşek Sezer, Mervem Bozkurt</u>
OP-11	Is advanced nutravigilance a missing piece in the EU's botanical supplement safety puzzle?, <u>Archana Singh</u>
OP-12	Chemical profiling and bioactivity assessment of <i>Satureja</i> spp.: Insights from spme and <i>in vitro</i> antimicrobial assay <u>Erdoğan Güneş, Ela Nur Şimşek Sezer, Tuna Uysal</u>
12.30 – 13.00	LUNCH BREAK



SALON A / SESSION – V

CHAIRS: Ivan Salamon & Tuna Uysal

13.00 – 13.30

Invited Lecturer: PROF. DR. HAB. AGNIESZKA SZOPA

Department of Medicinal Plant and Mushroom Biotechnology
Jagiellonian University Medical College, Kraków, **POLAND**

“Stimulation of biosynthesis of health-promoting bioactive compounds in the *in vitro* culture model of *Brassica oleracea* L. var. *acephala* (Green kale)”

13.30 – 14.00

Invited Lecturer: PROF.DR. JITBANJONG TANGPONG

Biomedical Sciences, School of Allied Health Sciences, Walailak University, Walailak, **THAILAND**

“Current Trends in Medicinal Plant and Health Product Research in Southern Thailand

14.00 – 14.10

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Paolo Guerra - Lorenzo Moschini

***“Preventing infestations and preserving products:
Oxyles, the modified protective atmosphere treatment”***

SALON B / SESSION – VI

CHAIRS: Kuddusi Ertugrul & Francesco Epifano

13.00 – 13.30

Invited Lecturer: PROF. DR. ANNALISA SANTUCCI
Director Of the Department of Biotechnology Chemistry & Pharmacy -
*Department of Excellence 2018-2022*Università Degli Studi Di Siena,
ITALY

“Bioactive Compounds from *Castanea sativa* Chestnut Burrs”

13.30 – 14.00

Invited Lecturer: PROF. RNDR. IVAN ŠALAMON, CSc.
University of Presov, Faculty of Humanities and Natural Sciences,
Department of Ecology, Presov, **SLOVAKIA**

**“Sandy Everlasting (*Helichrysum arenarium* (L.) Moench), as a
Prospective Medicinal and Aromatic Plant”**

SALON A / SESSION – VII

14.10 – 15.00	CHAIRS: Agnieszka Szopa & Riadh Ksouri
OP-13	Exploring the role plant extracts in animal models of intra-abdominal adhesions: Effects of tannins <u>Gizem Deynez</u>, Mürşide Ayşe Demirel, Saadet Özen Akarca Dizakar, Ayşe Kuruüzüm Uz, Ece Salihoğlu, Vahap Murat Kutluay, Osman Tugay, İpek Süntar
OP-14	Potential aromatic plant in Türkiye: <i>Iris germanica</i> L. Filiz Kılıç, Ayşe Betül Avcı
OP-15	Phytochemical activity and design of film-forming spray formulations of <i>Tanacetum parthenium</i> L. Extract <u>Secil Karahuseyin</u>, Pelin Pelvanoglu, Nur Tanir, Emine Kahraman, Selin Tufan
OP-16	Biosynthesis of elemicin and isoelemicin in <i>Daucus carota</i> leaves Xing-Qi Huang, Mosaab Yahyaa, Prasada Rao Kongala, Itay Maoz, Natalia Dudareva, Mwafaq Ibdah
OP-17	Lichen extracts disrupt <i>Candida albicans</i> growth and biofilm formation via inhibition of the cAMP/PKA and CEK1 MAPK signaling pathway <u>Esra Sumlu</u>, Merve Aydin, Emine Nedime Korucu, Ali Ozturk, Bugrahan Emsen
15.00 – 15.30	COFFEE BREAK

SALON B / SESSION – VIII

14.00 – 15.00	CHAIRS: Alban Ibraliu & Ina Aneva
OP-18	Antifungal activity and chemical composition of <i>Thymbra spicata</i> extracts against sclerotinia <i>Sclerotiorum</i> and <i>Macrophomina</i> sp.: A comparative study, Nadire Pelin Bahadırli, Tuba Genç Kesimci
OP-19	GC-MS identification and TLC isolation of <i>Peganum harmala</i> shoots terpenoids with anti-inflammatory activities through modulation of pro-inflammatory cytokines Riadh Ksouri, Amani Kochbati, Dhouha Krichène, Majdi Hammami, Aziz Hichami, Amira Sayed Khan, Naim Akhtar Khan
OP-20	Utilization of morphological and chemotypic variation in plant breeding Ünal Karik, Hicran Akaalp, Ilknur Kosoglu, Orçun Yilmaz, Deniz Kotiloğlu, Orçun Çınar
OP-21	HEMP—A nature's gift for human well-being, Rahmatullah Qureshi
OP-22	Research of some characteristics of the cerinthe minor plant Murat Tuncturk, Ruveyde Tuncturk
OP-23	The role of secondary metabolites in medicinal and aromatic plants Özlem Akbaş, R. Refika Akçalı Giachino
15.00 – 15.30	COFFEE BREAK

SALON A / SESSION – IX**CHAIRS:** Randolph Arroo & Yavuz Bülent Köse

15.30 – 16.00	Invited Lecturer: PROF. DR. ALBAN IBRALIU Agricultural University of Tirana, Department of Crop Production, Tirana, ALBANIA "Bringing Value to MAPs: Biodiversity, Case Studies, and Future Challenges"
16.00 – 16.30	Invited Lecturer: PROF.DR. FRANCESCO EPIFANO Department of Pharmacy, University “Gabriele d’Annunzio” of Chieti- Pescara, Chieti, ITALY "Lamellar Solids as Novel Means for Food Processing"
16.30 – 16.40	<i>Research Institute for Medicinal Plants and Herbs, Ltd. Hungary</i> <i>Dr. Eszter Virág & Barbara Kutasy</i> <i>Presentation of the Research Institute for Medicinal Plants and Herbs,</i> <i>Ltd: Research and Development and Products</i>
16.40 – 18.00	ORAL SESSION
17.00 – 18.00	POSTER SESSION

SALON B / SESSION – XI**CHAIRS:** Jitbanjong Tangpong & Fatma Pinar Kafa**15.30 – 16.00**

Invited Lecturer: PROF. DR. RICCARDO AMORATI
Bologna University, Department of Chemistry "Giacomo Ciamician",
Academic discipline: CHEM-05/A Organic Chemistry, **ITALY**

"Essential Oils as Antioxidants: Challenges and Opportunities"

16.00 – 16.30

Invited Lecturer: DR. DAVIDE FARUGGIA
Department of Agricultural, Food and Forestry Sciences, Università
degli Studi di Palermo, **ITALY**

**"Foliar Application of Biostimulants as Sustainable Approach to
Improve the Production of Organic Medicinal and Aromatic
Plants"**

16.40 – 18.00**ORAL SESSION****17.0 – 18.00****POSTER SESSION**

SALON A / SESSION – XII

16.40 – 18.00	CHAIRS: Yehoshua Maor & Müjgan Güney
OP-24	Developmental and environmental factors influencing accumulation of phenolics in wood betony (<i>Betonica officinalis</i> L.) Janina Zaród, Jarosław Przybył, Zenon Węglarz, Katarzyna Bączek
OP-25	Insecticidal activity of <i>Artemisia absinthium</i> L. essential oil against <i>Tribolium confusum</i> Du Val. Nouria Hellal, Omar Kharoubi, Hassina Khaldoun
OP-26	Influence of unsaturation levels on the efficacy of rosemary-derived antioxidants in stabilizing woody edible oils Yue Qi, Yeqin Huang, Zongxin Jin, Riccardo Amorati, Hui Li, Lei Shi
OP-27	Diversity of common valerian originating from Poland Kavana Raj, Zenon Węglarz, Jarosław L. Przybył, Olga Kosakowska, Katarzyna Bączek
OP-28	Mass spectrometry-based proteomics reveals molecular mechanisms underlying the anticancer activity of <i>Salvia officinalis</i> essential oil in human prostate cancer Sevgi Gezici
OP-29	A NWFP natural flavor as a solution to prevent ACB (TAB) spoilage of clear beverages Yehoshua Maor
OP-30	Phytopharmaceutical potential and breeding challenges of sea buckthorn (<i>Hippophae rhamnoides</i> L.): A review of an underutilized horticultural resource, Müjgan Güney, Muhemmet Ali Gündeşli

OP-31	Integrated approaches for the optimization of bioactive <i>Thymus</i> products <u>Ina Aneva, Dimiter Ivanov, Denitsa Kancheva, Milena Nikolova, Svetlana Nikolova, Ekaterina Kozuharova, Vladimir Vladimirov, Petar Zhelev</u>
	MESHMAP-11 FINAL PROGRAM

SALON B / SESSION – XIII**CHAIRS: Nina Djapic & Akbar Pirestani**

OP-32	Unveiling chemotype-specific antibacterial activity in Cupressaceae essential oils: Integrating machine learning with biological insights <u>Yeqin Huang, Guan Wang, Riccardo Amorati, Lei Shi, Hui Li</u>
OP-33	Carbohydrate encapsulation of fragrances in parrotia persica leaves <u>Nina Djapic</u>
OP-34	Therapeutic potential and bioactive properties of pomegranate peel extract from Isfahan varieties in veterinary medicine <u>Akbar Pirestani, Elmira Ziya Motalebipour</u>
OP-35	Strategies for increasing secondary metabolite yield in medicinal and aromatic plants, <u>Özlem Akbaş, R. Refika Akçalı Giachino</u>
OP-36	Studying wild <i>Thymus</i> sp. (L.) Chemotype diversity across <i>Pistoia mountains</i> : A key for obtaining tailored thyme-derived products with antifungal efficacy <u>Felicia Menicucci, Alfonso Crisci, Waed Tarraf, Costanza Santini, Francesca Ieri, Gabriele Cencetti, Marco Michelozzi, Andrea Ienco, Eleonora Palagano</u>
OP-37	Study of the chemical composition and chemotypes of the essential oils of Thymelaeaceae from Algeria and Tunisia <u>Bounab Souhila, Hezil Sara</u>
OP-38	Chiral constituents of sea fennel essential oil <u>Ana Vučak, Petra Brzović, Azra Đulović, Ivica Blažević, Ivana Generalić Mekinić, Franko Burčul</u>
OP-39	Post-coital antifertility and neuroteratogenicity of <i>Acacia tortilis</i> ssp. raddiana (Savi) Brenan gum in Swiss albino mice, <u>Zahra Sokar, Fatimazahra Agouram, Abderrahman Chait</u>

8 MAY 2025, THURSDAY**SALON A / SESSION – XIV****10.00 – 12.00****CHAIRS: Laffleur Flavia & Ilknur Kosoğlu****OP-40**

Medicinal and aromatic plants and territorial development models
Domenica Ricciardi, Diego De Luca, Maria Assunta D'oronzio

OP-41

Essential oil yields of some *Origanum* species distributed in the flora of Türkiye
Hicran Akaalp, Ünal Karik, Ilknur Kosoğlu, Orçun Yılmaz, Deniz Kotiloğlu, Orçun Çinar, Emine Bayram

OP-42

Tea tree oil against dermatophytes and yeasts
Laffleur Flavia, Ataii Martin, Nagler Magdalena

OP-43

Morphological, micromorphological, anatomical and palynological studies on *Galium peplidifolium* Boiss. and endemic *Galium penduliflorum* Boiss. Species from Turkey, **Merve Kalas, Ayla Kaya**

12.00 – 12.30**CLOSING CEREMONY****14.00 – 19.00****TECHNICAL VISIT TO FIPPO (Chargable)**

SALON B / SESSION – XV

10.00 – 12.00	CHAIRS: Hicran Akaalp & Nouria Hellal
OP-44	Bioactive phytochemicals, fatty acids and sensory evaluation of melon fruit seed oil Sana Mallek-Ayadi, Neila Bahloul
OP-45	Effects of in vitro human digestion simulation on phenolic profile and antioxidant properties of <i>Galega officinalis</i> L. Nehir Kavi, Tuğba Buse Şentürk, Timur Hakan Barak, Engin Celep
OP-46	Regional variation of casticin levels in <i>Vitex agnus-castus</i> L. populations collected from west coast of Anatolia, Türkiye İlknur Kösoğlu, Hicran Akaalp, Murat Kartal, Ünal Karık
OP-47	Some research on <i>Polygonum orientale</i> L. (= <i>Persicaria orientalis</i> ; Polygonaceae) plant, Ruvevde Tuncturk, Murat Tuncturk
12.00 – 12.30	CLOSING CEREMONY
10.00 – 12.00	ON-LINE PRESENTATIONS
14.00-19.00	TECHNICAL VISIT TO FIPPO (Chargable)

MESMAP – 11
POSTER PROGRAM

MESMAP-11 FINAL PROGRAM

POSTER SESSIONS

PP – 1	Antioxidant activity and anti-angiogenic potential of <i>Glycyrrhiza glabra</i> L. hydrogels for topical use <u>Julia Semenescu</u>, Ștefana Avram, Larisa Bora, Szilvia Berkó, Daliana Minda, Corina Danciu
PP – 2	Some biological activities and total phenolic contents of three <i>Papaver</i> species from Turkey Esengül Özkaymakoğlu, <u>Yavuz Bülent Köse</u>, Bilge Nur Mutlu, Osman Tugay
PP – 3	<i>Rhodiola rosea</i> and its major metabolites reduce inflammation in an induced rheumatoid arthritis mouse model Lidia A. Kechidjieva, Kalina Nikolova-Ganeva, Nikolina M. Mihaylova, <u>Andrey S. Marchev</u>
PP – 4	Hepatoprotective potential of curcumin against aroclor 1254-induced toxicity in HEPG2 cells Pınar Erkekoğlu, Hülya Tezel Yalçın, <u>Deniz Arca Çakır</u>, Selinay Başak Erdemli Köse
PP – 5	Exploring the multifaceted potential of carob: from traditional uses to modern applications in food, health, and industry <u>Katya Carbone</u>, Noemi Giammusso

PP – 6	Phytochemical investigation of <i>Salvia multicaulis</i> Vahl extracts of different polarity <u>Serkan Yigitkan</u>, Mehmet Veysi Caglayan, Ismail Yener, Mustafa Abdullah Yilmaz, Ramazan Tunc, Mehmet Ferit Demirel, Mehmet Firat³, Abdulselam Ertas, Ufuk Kolak
PP – 7	Biotechnological potential of <i>Melilotus officinalis</i> shoot cultures for bioactive metabolite production Grzegorz Kos, Łukasz Kulinowski, Paweł Kubica, Adam Kokotkiewicz, Maria Łuczkiwicz, Krystyna Skalicka-Woźniak, <u>Agnieszka Szopa</u>
PP – 8	Antioxidant and antimalarial activities of five <i>Artemisia</i> L. species grown in turkiye <u>Suheda Rumeysa Osmanlioglu Dag</u>, Zekiye Ceren Arituluk Aydin, Zulfıqar Ali, Shabana I Khan, Ayse Mine Gencler Ozkan, Iffet Irem Tatlı Cankaya
PP – 9	Phytochemical studies, antioxidant potential and inhibition of tyrosinase properties of <i>Lathyrus latifolius</i> L. microshoot cultures and parent plant extracts, Marta Klimek-Szczykutowicz, Katarzyna Kulik-Siarek, Paulina Lechwar, Katarzyna Gawel-Bęben, Karolina Wiśniewska, Renata Piwowarczyk, Ewelina Błońska-Sikora, <u>Małgorzata Wrzosek</u>, Agnieszka Szopa
PP – 10	Endocrine disrupting effects of resveratrol, rosmarinic acid and epigallocatechin gallate on 3T3-L1 cells <u>İzem Bilinmiş</u>, Deniz Arca Çakır, Hülya Tezel Yalçın, Funda Nuray Yalçın, Nursen Başaran, Pınar Erkekoğlu

PP – 11	<p><i>Rosmarinus officinalis</i> in Tunisia: Phytochemistry, Antioxidant, and Anti-inflammatory Properties <u>Rim Ben Mansour</u>, Hajer Fekih, Ramla Sahli, Wided Megdiche-Ksouri, Riadh Ksouri</p>
PP – 12	<p>Biocosmetology: A Return to Nature <u>Mehdi Belleili, Adel Gouri, Youcef HadeF</u></p>
PP – 13	<p>Biodiversity and conservation of medicinal plants along the Bulgarian danube riverbank <u>Ina Aneva, Dimiter Ivanov</u></p>
PP – 14	<p>Phytochemical Investigation by LC-MS/MS of <i>Mentha longifolia</i> (L.) L. subsp. <i>typhoides</i> (Briq.) Harley extracts <u>Ismail Yener, Baris Resitoglu, Serkan Yigitkan, Ufuk Kolak, Abdulselam ErtasI</u></p>
PP – 15	<p>Biological basis for the cultivation of three economically important <i>Thymus</i> species <u>Elina Yankova-Tsvetkova, Denitsa Kancheva, Ina Aneva</u></p>
PP – 16	<p><i>Lavandula stoechas</i> L. : A review on biological activities and traditional uses <u>Deniz Kotiloğlu, Ünal Karik, Ilknur Kösoğlu, Hicran Akaalp, Orçun Yilmaz</u></p>
PP – 17	<p><i>Cymbopogon citratus</i> (D.C.) Stapf plant material and <i>in vitro</i> microshoot cultures as rich sources of natural phenolic antioxidants and their potential use in pharmacy and cosmetology <u>Ewelina Błońska-Sikora, Marta Klimek-Szczykutowicz, Małgorzata Wrzosek</u></p>

PP – 18	Metabolite profiles of <i>Thymus longedentatus</i> from natural and cultivated areas <u>Milena Nikolova, Denitsa Kancheva, Rumen Denev, Ina Aneva</u>
PP – 19	Metabolite composition of various parts of <i>Cichorium inthybus</i> <u>Milena Nikolova, Anna Gavriloova, Rumen Denev, Genadi Gavriloov</u>
PP – 20	Essential oils in vapour phase: Antimicrobial effects and mechanism of action against pathogenic microorganisms <u>Bilge Nur Mutlu, Arzu Işcan, Seda Hacıoğlu, Gökalp Işcan</u>
PP – 21	Effect of harvest time at different vegetative growth stages on yield and quality of <i>Melissa officinalis</i> : preliminary insights <u>Alessia Castellan, Manuel Pramsöhler, Angelika Ruele, Iliaria Marotti</u>
PP – 22	Effects of elicitor treatments on the metabolism of <i>Melissa officinalis</i> cultivated in a controlled environment <u>Sveva Stradolini, Enrico Toschi, Giovanni Dinelli, Iliaria Marotti</u>
PP – 23	A comparative study of antioxidant activity of <i>Prunus divaricata</i> ledeb. var. <i>divaricata</i> (Rosaceae) fruit extracts <u>Ömer Serkan Genç, Zekiye Ceren Arıtuluk Aydın</u>
PP – 24	Profitability and structure of Italian medicinal and aromatic plant farms <u>Dario Macaluso, Francesco Licciardo, Katya Carbone</u>
PP – 25	Comparative phytochemical analysis of different parts of <i>Arum rupicola</i> var. <i>rupicola</i> Boiss. <u>Selim Can Kamalak, Ela Nur Şimşek Sezer</u>
PP – 26	Ginkgo (<i>Ginkgo biloba</i> L.) callus induction from different plant parts <u>Iva Jurčević Šangut, Erna Karalija, Barbara Medvedec, Dunja Šamec</u>

PP – 27	Evaluating the effect of <i>Nigella sativa</i> in inflammation: Traditional applications, experimental studies, and clinical perspectives in the gastrointestinal inflammation Sakir Boyraz, Sebnem Donmez, Emine Akah, Ali Yagiz Uresin
PP – 28	Detection of human H antigen by lectin isolated from seeds of <i>Psophocarpus tetragonolobus</i> , Kiattisak Sakonprakaikit, Nateelak Kooltheat
PP – 29	Biological activities and essential oil composition of <i>Origanum vulgare</i> subsp. <i>viridulum</i> Zeynep Gülcan, Pervin Soyer, Yavuz Bülent Köse, Mine Kürkçüoğlu
PP – 30	Integration of genomic and est-ssr markers for a systematic approach to <i>Helichrysum italicum</i> (Roth) G. Don genetic resources evaluation Petra Gabrovšek, Alenka Baruca Arbeiter, Matjaž Hladnik, Dunja Bandelj
PP – 31	Energy drinks and caffeine: A major challenge for public health Sarra Faci, Mehdi Belleli
PP – 32	Enhanced antioxidant potential of <i>Brassica oleracea</i> L. var. <i>acephala</i> (kale) microshoots through biofortification with metal nanoparticles Eliza Blicharska, Aleksandra Łukaszuk, Małgorzata Tatarczak-Michalewska, Katarzyna Czarnek, Grzegorz Wójcik, Wojciech Białowąs, Michał Dziurka, Agnieszka Szopa
PP – 33	Adaptation and growth development of lavender (<i>Lavandula angustifolia</i> – <i>sevtapolis</i>) in Şanlıurfa conditions İslim Koşar, Ömer Emre Balyemez, Ibrahim Halil Cömert, Abdulhabip Özel, Halil Hatipoğlu, Başak Özyılmaz
PP – 34	Thymoquinone values of different black cumin lines Başak Özyılmaz, Rahime Karataş, İslim Koşar

PP – 35	<p>Phytochemical composition and antimicrobial activity of <i>Biscutella laevigata</i> L. microshoot cultures and parent plant extracts <u>Marta Klimek-Szczykutowicz, Anna Śliwa, Magdalena Anna Malinowska, Ivica Blažević, Azra Đulović, Karolina Wiśniewska, Renata Piwowarczyk, Paulina Paprocka, Ewelina Błońska-Sikora, Małgorzata Wrzosek, Agnieszka Szopa</u></p>
PP – 36	<p>Long-chain and rare aromatic glucosinolates in plants of <i>Arabis</i> genus and <i>pseudoturritis turrita</i> <u>Azra Đulović, Josip Tomaš, Gabrijela Ljubić, Franko Burčul, Ivica Blažević</u></p>
PP – 37	<p>Glucosinolate profiling in <i>Brassica</i> species: diversity, distribution, and significance <u>Josip Tomaš, Azra Đulović, Tamara Oroz, Ivica Blažević</u></p>
PP – 38	<p>Carbohydrate encapsulation of fragrances in <i>Parrotia persica</i> leaves <u>Nina Djapic</u></p>
PP – 39	<p><i>In vivo</i> evaluation of the anti-inflammatory effect of <i>Syzygium aromaticum</i> essential oil <u>Mokhtari Zineb, Boukhatem Mohamed Nadjib, Ammi Nassima, Mezguiche Sorraya, Bouraoui Hadjer, Benboutta Sihem, Baha Abdelkarim, Lemmache Samia, Boudour Radia</u></p>
PP-40	<p>Evaluation of biological activities of some <i>Citrus</i> sp. essential oils <u>Gözde Öztürk, Fatih Demirci, K. Hüsni Can Başer, Betül Demirci</u></p>
PP-41	<p>Phytochemical profiling and enzyme inhibitory potential of <i>Limonium lilacinum</i> var. <i>laxiflorum</i>, <u>Fatma Pinar Turkmenoglu, Begum Nurpelin Saglik Ozkan, Derya Osmaniye</u></p>
PP-42	<p>Biological activity studies and essential oil analysis on <i>Thymus cilicicus</i> <u>Fatmanur Tunç, Pervin Soyer, Yavuz Bülent Köse, Mine Kürkcüoğlu</u></p>

MESMAP – 11
ON-LINE PROGRAM

08.05.2025

10.00-12.30

	CHAIRS: Kuntal Das & Nadire Pelin Bahadırılı
10.00 – 10.30	<p>Invited Lecturer: DR. KUNTAL DAS Professor, Mallige College of Pharmacy, #71, Silvepura, Chikkabanavara Post, Bengaluru - INDIA</p> <p>"In silico and in vitro evaluation of selected rare herbal plants India in combating Alzheimer disease through inhibition of BACE1 enzyme activity and TAU hyper-phosphorylation"</p>
10.30 – 11.00	<p>Invited Lecturer: DR. ANTONIO SPECIALE Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, ITALY</p> <p>"A standardized extract of <i>Opuntia ficus-indica</i> (L.) Mill. and <i>Olea europaea</i> L. protects against indomethacin-induced Caco-2 intestinal epithelial cells injury"</p>
OOP-1	<p>The potential of some wild plants commonly consumed in the Eastern Black Sea region for mixed cultivation in hazelnut orchards Nazim Şekeroğlu, <u>Faruk Özkutlu</u>, Özlem Ete Aydemir</p>

<p>OOP-2</p>	<p>Protective effects of <i>Salvia officinalis</i> L. Hydrodistillation wastewater in <i>in vitro</i> models of inflammation <u>Maria Sofia Molonia, Federica Lina Salamone, Edoardo Napoli, Mariateresa Cristani, Manuela D'Arrigo, Santi Trischitta, Antonella Saija, Antonio Speciale, Francesco Cimino</u></p>
<p>OOP-3</p>	<p>Morphological, micromorphological and karyomorphological features of medicinal <i>Silybum marianum</i> (Asteraceae) in Türkiye <u>Emrah SİRİN</u></p>
<p>OOP-4</p>	<p>Some bioactive compounds of achillea spp. And their medicinal uses <u>Orçun Yılmaz, Ünal Karik, İlknur Kösoğlu, Hicran Akaalp, Deniz Kotiloğlu</u></p>
<p>OOP-5</p>	<p>Green veterinary therapies based on pomegranate (<i>Punica granatum</i>) for the control of gastrointestinal nematodes of sheep to improve animal welfare and health <u>Fabio Castagna, Roberto Bava, Carmine Lupia, Antonio Bosco, Laura Rinaldi, Giancarlo Statti, Vincenzo Musella</u></p>
<p>OOP-6</p>	<p>Tarragon (<i>Artemisa dracuncululus</i> L.): Chemistry and biological activities <u>Flavio Polito, Vincenzo De Feo</u></p>
<p>OOP-7</p>	<p>Phenolic and flavonoid content of some mutant <i>Chrysanthemum varieties</i> in Türkiye <u>Gulden Haspolat, Orcun Cinar, Unal Karik, Burak Kunter, Yaprak Kantoglu</u></p>
<p>OOP-8</p>	<p>The efficiency and safty of Bioapifit® wound care ointment in the treatment of wounds <u>Štefica Findri-Guštek, Višnja Oreščanin, Matea Guštek, Ivana Guštek</u></p>

<p>OOP-9</p>	<p>Study of the chemical composition and properties of wheat sprouts <u>Magdalena Ligor, Oliwia Cwalina, Tomasz Ligor</u></p>
<p>OOP-10</p>	<p>Oral microbiota in inflammatory periodontal diseases and prospects of its correction using substances of plant origin <u>Marina Kryvtsova, Kostenko Yevhen, Spivak Mykola, Hoblik Yevhen, Sklar Ivan, Kolesnik Oleksandra, Mariana Savenko</u></p>
<p>OOP-11</p>	<p><i>In silico</i> analysis of safety and efficacy of herbal skin-lightening agents: A toxicological perspective <u>Onur Kenan Ulutaş, Fatma Sezer Şenol Deniz</u></p>
<p>OOP-12</p>	<p>Phytochemical screening and biological activities of <i>Mentha spicata</i> <u>Asma Necib, Aymen Zaafour, Mosbahi Ilhem</u></p>
<p>OOP-13</p>	<p>Chemical composition of essential oils from some Lamiaceae species growing in Albania <u>Tea Mastori, Ina Xhangoli, Entela Haloçi, Aurel Nuro, Vilma Papajani</u></p>
<p>OOP-14</p>	<p>Investigation of antiproliferative and enzyme inhibitory effects of the peels of four potato (<i>Solanum tuberosum</i> L.) genotypes <u>Zühal Bayrakçeken Güven</u></p>
<p>OOP-15</p>	<p>Investigation cytotoxicity and wound healing of <i>Achillea filipendulina</i> extracts <u>Zehra Torun, Gözde Ultav, Emine Şalva</u></p>
<p>OOP-16</p>	<p>Effects of different extraction methods on total phenolic content and bioactivity in <i>Tribulus terrestris</i> L. <u>Hikmet Gülben Güç, Tuğba İduğ</u></p>

<p>OOP-17</p>	<p>Ultrasound-assisted extraction of bioactive compounds from <i>Portulaca oleracea</i>: Exploring natural anti-inflammatory agents and their impact on signalling pathway, Amani Kochbati, Dhouha Krichène, Majdi Hammami, Hédia Manai Djebali, Aziz Hichami, Amira Sayed Khan, Naim Akhtar Khan, <u>Riadh Ksouri</u></p>
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ON-LINE POSTERS

<p>OPP-1</p>	<p>Lemon myrtle (<i>Backhousia citriodora</i>) — delectable Australian traditional herb rich in health-promoting compounds <u>Martin Schneider, Kinya Hotta, Jamie Cox, Melissa Powell, Andrew Menner</u></p>
<p>OPP-2</p>	<p>Exploring the biological activities of <i>Sideritis argyrea</i> P.H.Davis <u>Pervin Soyer, Fatmanur Tunç, Zeynep Gülcan, Yavuz Bülent Köse</u></p>
<p>OPP-3</p>	<p>A-glucosidase and lipase inhibitory activity of sour cherry fruit <u>Tuğba Günbatan</u></p>