

**The 12th International Mediterranean Symposium on
Medicinal and Aromatic Plants**

**MESMAP - 12
PROGRAM BOOK**

15.01.2026

January 21th – 24th, 2026

**Amari Bangsaen Resort Hotel
(Chon Buri) Bangkok-THAILAND**

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MESMAP – 12 ORAL PRESENTATION PROGRAM

21 January 2026, Wednesday

10.00 – 18.00

REGISTRATION

12.30 – 13.00

- **OPENING CEREMONY & OPENING SPEECHES**

Prof. Dr. Nazım ŞEKEROĞLU

Chair of MESMAP Symposiums

Prof. Dr. Jitbanjong TANGPONG

Co-chair of MESMAP-12

President of THAI-MAP 2026

- **PLAQUE PRESENTATIONS**

- **MESMAP SYMPOSIUM GROUP PHOTO**

SALON A / SESSION – I	
13.00 – 15.00	KEYNOTE SPEAKERS
CHAIRS: Ilkay Erdoğan Orhan & Patrícia Rijo	
13.00 – 13.30	Honorary Speaker: PROF. DR. HUSNU CAN BASER Near East University, Pharmacy Faculty Pharmacognosy Department, TRNC "Carvacrol and Its Biological Activities: An Updated Review"
13.30 – 14.00	Keynote Speaker: PROF. DR. ALVARO VILJOEN DSI-NRF Chair in Phytomedicine, Director: SAMRC Herbal Drugs Research Unit, Editor-in-Chief: Journal of Ethnopharmacology Pretoria, SOUTH AFRICA "Healing through Beauty: African Medicinal Flora in Wellness and Skincare"

14.00 – 14.30	Keynote Speaker: PROF. DR. ILKAY ERDOGAN ORHAN Lokman Hekim University, Faculty of Pharmacy, Department of Pharmacognosy Ankara, TÜRKİYE "Nano-Phytocosmeceuticals: A Synergistic Approach to Advanced Skin Solutions"
14.30 – 15.00	Invited Speaker: PROF. DR. GOVIND P. RAO Editor in Chief, Medicinal Plants, ICAR-Emeritus Scientist (Crop Protection), Division of Plant Pathology, Indian Agricultural Research Institute, New Delhi, INDIA "Medicinal Plants of High Significance from the Himalayan Region for Health Benefits"
15.00 – 15.30	COFFEE BREAK

SALON A / SESSION – II**15.30 – 18.00****KEYNOTE & INVITED SPEAKERS****CHAIRS: K. Hünü Can Başer & Alvaro Viljoen****15.30 – 15.50****Keynote Speaker: PROF. DR. UMESH K. PATIL**

Department of Pharmaceutical Sciences
Dr. H.S. Gour University, Sagar, **INDIA**

"Ethnopharmacology and Traditional Indian Healing Practices: A Rasayana Learning Legacy for Sustainable Socioeconomic Development"

15.50 – 16.10**Invited Speaker: PROF. DR. PATRÍCIA RIJO**

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

"From Medicinal Plant to Molecular Target: *Plectranthus Abietanes* Inhibiting P-Glycoprotein"

16.10 – 16.30	Invited Speaker: PROF. DR. HAB. AGNIESZKA SZOPA Department of Medicinal Plant and Mushroom Biotechnology Jagiellonian University Medical College Kraków, POLAND "Biotechnological Biofortification of Kale: Noble Metal Nanoparticles Enhance the Production of Health-Promoting Metabolites"
16.30 – 16.50	Invited Speaker: PROF. DR. RAKEZ KAYED University of Texas Medical Branch Mitchell Center for Neurodegenerative Disorders John Sealy Chair for Parkinson's Research Department: Neurology, USA "Curcumin Derivative CL3 for Targeting Tau Oligomer Toxicity in Neurodegenerative Diseases"

16.50 – 17.10	Invited Speaker: PROF. DR. ALLAN V KALUEFF Department of Biosciences and Bioinformatics, School of Science, Xi'an Jiaotong-Liverpool University, Suzhou, CHINA "Zebrafish Screen for Clinically Relevant Neuroactive Effects of Traditional Chinese Medicine Herbs"
17.10 – 17.30	Invited Speaker: PROF. DR. IVAN SALAMON Department of Ecology, Faculty of Humanities and Natural Sciences, University of Presov, Presov, SLOVAKIA "Chamomile Large-scale Production in Ukraine"
17.30 – 17.50	Invited Speaker: PROF. DR. CHAYAN PICHEANSOONTHON Fellow of the Royal Institute at The Royal institute of Thailand, THAILAND “ ”

22 January 2026, Thursday

09.00 – 12.20

KEYNOTE & INVITED SPEAKERS

SALON A / SESSION – III

CHAIRS: Jitabanjong Tangpong & Nazim Sekeroglu

09.00 – 09.40

Keynote Speaker: PROF. DR. BARRY HALLIWELL

-Senior Advisor, Academic Appointments and Research Excellence,
Office of the Provost

-Distinguished Professor, Department of Biochemistry, Yong Loo Lin
School of Medicine,

National University of Singapore (NUS)

-Chairman, Biomedical Advisory Council (BMAC), Agency for
Science, Technology and Research (A*STAR), SINGAPORE

“Ergothioneine: A Diet-derived Nutrient for Healthy Longevity”

09.40 – 10.00	Keynote Lecturer: PROF. DR. SHI LEI State Key Laboratory of Plant Diversity and Specialty Crops, Institute of Botany, Chinese Academy of Sciences, CHINA “Yili, China: A New Major Global producer of Lavender”
10.00 – 10.20	Invited Speaker: PROF. DR. NILUFAR Z. MAMADALIEVA Institute of the Chemistry of Plant Substances Uzbekistan Academy of Sciences - Faculty of Medicine, Alfraganus University Tashkent, UZBEKISTAN "Unlocking the Potential of Medicinal Plants from Uzbekistan: Phytochemical Insights and Bioactivity Assessment"
10.20 – 10.40	COFFEE BREAK

SALON A / SESSION – IV**10.40 – 12.00****INVITED SPEAKERS & ORAL PRESENTATIONS****CHAIRS: Nilufar Z. Mamadalieva & Shi Lei****10.40 – 11.00****Invited Speaker: PROF. DR. FATMA PINAR TURKMENOGLU**

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

**"Metagenomic Insights into Secondary Metabolite Biosynthesis for
Drug Discovery"**

11.00 – 11.20**Invited Speaker: PROF. DR. TABASSUM ASIF KHAN**

Department of Pharmaceutical Chemistry SVKM's Dr. Bhanuben
Nanavati College of Pharmacy, Mumbai, Maharashtra, **INDIA**

**"Phytoconstituent Contributed Synergy in Dual Drug Loaded
Hollow Gold Nanoparticles in Effective Management of
Glioblastoma"**

11.20 – 12.20	ORAL PRESENTATIONS
OP-1	Phytochemical Profiling, Cytotoxic and Antioxidant Activities of Stolons Extract and Fractions from the Moroccan <i>Searsia albida</i> (Schousb.) Moffett Fatima-ezzahra Derdar, Manal Zefzoufi, Hanane Ennaji, Rabiaa Fdil, Samir Ibenmoussa, Hafida Bouamama
OP-2	Innovative Biovalorization Techniques: Biocatalytic Transformations of Phenolic Compounds Filip Boratyński, Abirami Baskaran, Natale Crisafulli, Weijie Zhang, Elisabetta Brenna
OP-3	Salt-induced Improvement of Medicinal and Nutritional Value in the Halophyte <i>Limbarda crithmoides</i> L. Maria João Rodrigues, Nuno Neng, Luísa Custódio
OP-4	From Traditional Knowledge to Modern Skin Care: Ethnomedicinal Value and Dermatological Potential of <i>Alchemilla speciosa</i> Buser Katarzyna Dos Santos Szewczyk, Sebastian Kanak, Katarzyna Klimek, Sebastian Kanak, Marta Olech, Malgorzata Miazga-Karska, Michał P. Dybowski, Rafał Typek
OP-5	Study on Phenolic Content and Antioxidant Activity of Thai Mulberry Leaves Wannapa Srisantiroj, Wichanee Bankeeree, Achara Chandrachai
12.20 – 13.40	LUNCH BREAK

SALON B / SESSION – V	
11.20 – 12.20	ORAL PRESENTATIONS
	CHAIRS: Marina Spinu & Govind P. Rao
OP-6	Fenugreek (<i>Trigonella foenum-graecum</i> L.) and its Active Compounds, Diosgenin and Trigonelline, in the Prevention of Cancer and Aging: A Systematic Review of Preclinical Studies <u>Niusha Esmaealzadeh, Fatemeh Shahrahmani, Hamed Ahansazan, Elmira Kalantari, Marziyeh Raeispour, Amir hossein Abdolghaffari</u>
OP-7	Garlic Extract (<i>Allium sativum</i> L.) Attenuates Neurodegeneration and Microvascular Damage in Rats with Streptozotocin-induced Diabetic Retinopathy <u>Nasmah K. Bastaki</u>
OP-8	Immune-Enhancing Capacity of <i>Calendula officinalis</i> Ethanolic Extract Depends on the Raising System, Season and Stress Levels in Goats <u>Marina Spînu, Eموke Pall, Diana Olah, Carmen Dana Şandru, Aurel Vasiu</u>
OP-9	Phytochemical, Antioxidant, and Cytotoxic Activity Profile of Parijoto Ethanol Extract (<i>Medinilla speciosa</i>) against Triple-Negative Breast Cancer Cells MDA-MB-231 <u>Ratna Shintia Defi, Gregorius Yoga Panji Asmara, Yohanes Alan Sarsita Putra, Victoria Kristina Ananingsih, Yohanes Kellen Willianto, Roul Cato Wibowo, I Made Jawi</u>

OP-10	Dual-Modal Colorimetric and Fluorescent Sensing of Antineoplastic Drug Fludarabine via Bimetallic-Doped Nitrogen Carbon Dots Nanozyme <u>Rayed Ali A. Alqahtani,</u> Ashraf M Mahmoud, Ali O Alqarni, Mohamed M. El-Wakil
12.20 – 13.40	LUNCH BREAK

SALON A / SESSION – VI**13.40 – 14.30****ORAL PRESENTATIONS****CHAIRS: Fatma Pinar Türkmenoğlu & Hafida Boumama****OP-11**

Effect of Low-Dose Gamma Irradiation Treatment on the Microbiological Quality and Physico-Chemical Characteristics of *Salvia rosmarinus* Spenn.

Safa Mghazli, Nadia Hidar, Ali Idlimam, Mostafa Mahrouz

OP-12

Chemical Profiling and Therapeutic Effects of *Rhanterium epapposum* Oliv.
Seeds: The National Plant of Kuwait

Tareq Madouh

OP-13

Time-Dependent Dynamics of Cell-Mediated Immune Responses to Ethanolic Nettle Plant (*Urtica dioica*) Extract in Immunologically Mature Chickens

Carmen Dana Sandru, Marina Spinu, Silvana Popescu, Eموke Pall, Diana Olah, Aurel Vasii

OP-14

Ssr-Based Molecular Approaches for the Selection and Genetic Characterization of Medicinal and Aromatic Plant

Murat Guney, Muhammet Ali Gundesli

OP-15

Comparative Evaluation of Nano-Curcumin Formulations: A Systematic Review with Translational Insights and Clinical Dose Recommendations

Shirin Sirouskabiri

14.30 – 14.50**COFFEE BREAK**

SALON B / SESSION – VII**13.40 – 14.30****ORAL PRESENTATIONS****CHAIRS: Ivan salamon & Chayan Picheansoonthon****OP-16**

The effect of *Aesculus hippocastanum* L. (Horse chestnut) Extract on the Prevention of Phlebitis Induced by Peripheral Intravenous Catheters: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial
Arpi Manookian, Roodabeh Bahramsoltani, Zahra Lotfolahi, Kimya Amouei, Leila Sayadi

OP-17

Immune-Enhancing Capacity of *Calendula officinalis* Ethanolic Extract Depends on the Raising System, Season and Stress Levels in Goats
Marina Spînu, Eموke Pall, Diana Olah, Carmen Dana Şandru, Aurel Vasii

OP-18

Integrated *in silico*, *in vitro* Evaluation and Phyto-Vesicular Delivery of the Ethanolic Extract of *Convolvulus pluricaulis* Choisy for Breast Cancer Therapy
Deepa Iyer, Jitendra Banweer, Umesh Kumar Patil

OP-19

Urtica pilulifera L. Seed as A Traditional Persian Medicine Supplement, Improves Folliculogenesis in an Animal Model of Diminished Ovarian Reserve (DOR)
Sevede Nargess Sadati Lamardi

OP-20

Integrative Exploration of Environmental and Developmental Drivers of Biflavonoid Biosynthesis in Ginkgo (*Ginkgo biloba* L.)
Dunja Šamec, Iva Jurčević Šangut, Marija Kovač Tomas, Barbara Medvedec

14.30 – 14.50**COFFEE BREAK**

SALON A / SESSION – VIII**14.50 – 16.00****INVITED SPEAKERS****CHAIRS: Štefica Findri Guštek & Allan V Kalueff****14.50 – 15.10****Invited Speaker: PROF. DR. ROJA RAHIMI**

Department of Traditional Pharmacy (Phytopharmaceuticals), School of Persian Medicine, Tehran University of Medical Sciences, Tehran, **IRAN**

"Oral Phytocosmeceuticals in Traditional Persian Medicine"**15.10 – 15.30****Invited Speaker: ASSOC. PROF. DR. FABIO BOYLAN**

Department of Pharmacognosy, School of Pharmacy and Pharmaceutical Sciences, Faculty of Health Sciences, Panoz Institute, Terinity College, Dublin, **IRELAND**

"NRPL3 Inflammasome and the Anti-Inflammatory Action of Essential Oils"

15.30 – 15.50	Invited Speaker: ASSOC. PROF. DR. THERAKAMOL PENGSAKUL Director of Health and Environmental Research Center Prince of Songkla University, THAILAND "The Potential of <i>Archidendron pauciflorum</i> Extraction for Use Against <i>Aedes aegypti</i> Mosquitoes"
15.50 – 16.10	Invited Speaker: ASSIST. PROF. DR. PRADOLDEJ (BOB) SOMPOL Principal Investigator University of Kentucky College of Medicine, USA "Neurotrophic Factor-Mimicking Compounds: Vascular and Neuroprotective Effects"

SALON A / SESSION – IX	
16.10 – 17.10	ORAL PRESENTATIONS
	CHAIRS: Fabio Boylan & Therakamol Pengsakul
OP-21	The Capacity of <i>Salvia officinalis</i> L. (Sage) Leaf Extracts to Absorb Heavy Metals <u>Huri Taşçı, Melek Gül, Ebru Batı Ay, Beril Kocaman</u>
OP-22	Medicinal Plant Extracts for Sustainable Plant Growth and Development <u>Müjgan Güney, Muhammet Ali Gündeşli, Nazim Şekeroğlu</u>
OP-23	Use of Sumac Plant in Foods <u>Akide Özcan, Mehmet Sütümez, Huri Taşçı</u>
OP-24	Rhazes' (865-925 C.E.) Contribution to Herbal Psychopharmacology <u>Hamed Ahansazan</u>
OP-25	Is the Immune Effect of <i>Calendula officinalis</i> Influenced by Regional Geography during Acclimatization in Angora Goats? <u>Diana Olah, Carmen Dana Şandru, Aurel Vasiu, Marina Spînu, Silvana Popescu, Eموke Pall</u>
OP-26	Antifungal Activity of Solid Residue from Hydrodistillation of <i>Salvia rosmarinus</i> Spenn. <u>Meriem Rafya, Ghizlane Zehhar, Aouatif Aboudia, Naïma Zehhar, Allal Douira, Abdellatif Hafidi, Fatiha Benkhalti</u>
17.10-18.00	POSTER SESSION

SALON B / SESSION – X	
16.10 – 17.10	ORAL PRESENTATIONS
	CHAIRS: Marijana Zovko Koncic & Roja Rahimi
OP-27	The Importance of Rosehip Cultivation in the Yozgat Province of Türkiye Aysen Koc
OP-28	Complementary and Alternative Medicine for Sexual Dysfunction: An Umbrella Review of the Systematic Reviews and Meta-Analyses Sana Mashayekhi, Roja Rahimi, Azadeh Zarei, Niusha Esmaealzadeh
OP-29	Optimization of the Rosemary Essential Oil Extraction Protocol by Hydro-Distillation Belleili Mehdi, Hadeef Youcef
OP-30	Effects of Grapes and Grape Products on Human Health Berna Keles, Emine Sema Çetin
OP-31	<i>Argania spinosa</i> Fruit Shell Extract Suppresses Chemically Induced Skin Cancer in A Mouse Model Rachida Makbal, Maroua Ait Tastift, Souad Sellami, Hanane Rais, Chemseddoha Gadhi
OP-32	Mapping Traditional Pharmaceutical Products in Iran: A Descriptive Cross-Sectional Study Roodabeh Bahramsoltani
17.10-18.00	POSTER SESSION

23 January 2026, Friday

09.00 – 10.40

INVITED SPEAKERS & ORAL PRESENTATIONS

SALON A / SESSION – XI

CHAIRS: Ipek Suntar & Ezgi Ersoy

09.00 – 09.20

Invited Speaker: PROF. DR. MARIJANA ZOVKO KONCIC

University of Zagreb, Faculty of Pharmacy and Biochemistry
Department of Pharmacognosy, Marulicev, Zagreb, CROATIA

"Green Extraction Solvents – step forward for Active Cosmetics"

09.20 – 09.40

Invited Speaker: PROF. DR. IPEK SUNTAR

Gazi University, Faculty of Pharmacy, Department of
Pharmacognosy, Ankara, TÜRKİYE

**"Medicinal Plants as Sources of Bioactive Molecules:
Phytochemical Characterization and Preclinical Evaluation"**

09.40 – 10.00	Invited Speaker: PROF. DR. MURAT TUNÇTÜRK Van 100. Yıl University, Faculty of Agriculture, Department of Field Crops, Van, TÜRKİYE "Traditional Van Herby Cheese and Herbs Used its Production"
10.00 – 10.40	ORAL PRESENTATIONS
OP-33	Quantitative HPTLC Analysis of B-Sitosterol from <i>Vanda roxburghii</i> and Development of A Bioactive Film-Forming Spray Kalpesh Solaskar, Prachi Pathak, Radhika Raheja
OP-34	Microwave-Assisted Carbon Quantum Dots from <i>Urtica dioica</i> subsp. <i>dioica</i> L.: Research into their Antioxidant, Anti-inflammatory, and Anti-cancer Potential Ezgi Ersoy, Gökçe Karaotmarlı Güven, Murat Ihlamur, Fatmanur Gürbüzkol Yılmaz, Ali Şen, İsmail Tuncer Değim
OP-35	Antimicrobial Efficacy and Cytotoxicity of <i>Pelargonium graveolens</i> and <i>Pinus sylvestris</i> Essential Oils against Antibiotic-Resistant Bacteria from <i>Sciurus vulgaris</i> Diana Oláh, Carmen Dana Şandru, Marina Spînu, Silvana Popescu, Eموke Pall, Aurel Vasiu
OP-36	<i>In vitro</i> Antibacterial Properties of Peppermint, <i>Salvia fruticosa</i>, <i>Salvia officinalis</i>, and Basil Essential Oils Against Clinically Relevant Pathogens Mahdi Marzi, Ayşe Karacalı Tunc
10.40 – 11.00	COFFEE BREAK

SALON B/ SESSION – XII**10.00 – 10.40****ORAL PRESENTATIONS****CHAIRS: Muhammad Kashif & Luísa Custódio****OP-37**

Essential Oils from Omani Medicinal Plants: Natural Antifungal Agents for Plant Disease and Aflatoxin Management

Abdullah M. Al-Sadi, Yumna Al-Balushi, Aisha Al-Shuali, Jamal N. Al-Sabahi, Majida M.A. Al-Harrasi, Khalid Al-Farsi, Rethinasamy Velazhahan

OP-38

From Folk Remedy to Dermocosmetic Potential: Phenolic-Rich Extracts of *Psidium cattleianum* as Multifunctional Agents for Skin Health

Izabela Bielecka, Katarzyna Klimek, Sebastian Kanak, Arlindo Rodrigues Fortes, Malgorzata Miazga-Karska, Sebastian Granica, Katarzyna Dos Santos Szewczyk

OP-39

An Ethnobotanical Study of Medicinal Plants in Seben and Kibriscik (Bolu-Turkiye)

Kadriye Arslan Baykara, Gizem Emre

OP-40

Conservation and Valorization of Salt Tolerant Plants in Southern Portugal

Maria João Rodrigues, Leonardo Lescano, Carolina Martins, Tiago Braga, Luísa Custódio

10.40 – 11.00**COFFEE BREAK**

SALON A / SESSION – XIII

11.00 – 12.00	ORAL PRESENTATIONS
	CHAIRS: Rakez Kayed & Pradoldej (Bob) Sompol
OP-41	<i>Calendula officinalis</i> and <i>Echinacea angustifolia</i> in vivo Treatment Induced Changes of Immune Organs in Chickens <u>Aurel Vasiu, Carmen Dana Șandru, Eموke Pall, Silvana Popescu, Marina Spinu, Diana Olah</u>
OP-42	The Importance of Sumac (<i>Rhus coriaria</i> L.) Breeding <u>Mehmet Sütyemez, Akide Özcan, İlker Büşah Ayaz</u>
OP-43	Crocetin-Loaded Nanogel from <i>Nyctanthes arbortristis</i> : A Targeted Phytoactive Approach for Improved Treatment of Skin Cancer <u>Devvani Rajput, Umesh K. Patil</u>
OP-44	Herbal Treatment and Alternative Applications in Animal Production (Homeopathy) <u>Orhan Ermetin</u>
OP-45	Antimicrobial Activity of Starch-Based Oral Strips Containing Plant Essential Oils and Fruit Extracts Against <i>Streptococcus mutans</i> <u>Aykut Önder Barazi</u>
OP-46	Comparative Effects of Pure Curcumin and Turmeric Extract on Lifespan Extension in <i>Caenorhabditis elegans</i> <u>Meltem Güleç, Ömer Faruk Tutar</u>

SALON B / SESSION – XIV

11.00 – 12.00	ORAL PRESENTATIONS
	CHAIRS: Pelin Bahadırli & Tabassum Asif Khan
OP-47	Hawthorn (<i>Crataegus</i> spp.) as A Medicinal and Aromatic Plant: Bioactive Profile Hakan Keles, Sezai Ercisli
OP-48	Phenolic Composition and Organic Acid Profile of <i>Rhus coriaria</i> L. (Sumac) from Different Ecological Sites in the Eastern Mediterranean Region of Türkiye Aydan Sezer, Nadire Pelin Bahadırli, Nazım Şekeroğlu
OP-49	Unravelling the Antioxidant and Antiproliferative Potential of <i>Moringa oleifera</i> : An <i>in vivo</i> & <i>in vitro</i> Study Muhammad Kashif, Arfa Shahzad, Ammar Tahir, Amar Nasir, Mazhar Abbas, Farhan Ahmad Atif, Zeeshan Ahmad, Ihtasham Khan
OP-50	Influence of Flowering Stage on Carnosic Acid Content and Bioactive Properties of <i>Salvia rosmarinus</i> Spenn. Meriem Rafya, Rachid Ed-Daoudi, Khadija El Gadali, Aouatif Aboudia, Naïma Zehhar, Abdelaziz Abbad, Fatiha Benkhalti
OP-51	Natural Anti-Quorum Sensing and Dermal-Protective Phytochemicals from <i>Paederia foetida</i> Linn.: An Integrated <i>in silico</i> and <i>in vitro</i> Investigation against Multidrug-Resistant <i>Acinetobacter baumannii</i> Natnicha Sopha, Techit Thavorasak, Dararat Horpet, Thida Kong-Ngoen, Uttapol Permpoon, Chul Young Kim, Tae-Gyu Nam, Nitaya Indrawattana, Sirijan Santajit

OP-52	Integration of Experimental and Molecular Docking Approaches to Evaluate the Antimicrobial Potential of a Polyherbal Gel from <i>Argemone mexicana</i> and <i>Carica papaya</i> <u>Prerna Ganwir</u>
12.00 – 13.00	LUNCH BREAK
SALON A / SESSION – XV	
13.00 – 14.20	ORAL PRESENTATIONS
	CHAIRS: Naïma Zehhar & Govind P. Rao
OP-53	Evaluation of Blood Brain Barrier Permeability of Flavokawain-A in Rats Using LC-MS/MS <u>Sonam Tanwar, Lokesh Bhatt</u>
OP-54	Comprehensive Phytochemical Mapping of <i>Abies Webbiana</i> : Unlocking its Bioactive and Therapeutic Potential <u>Rupa Ganguly, Dildar Husain, Priyanka Singh</u>
OP-55	Conjugation-Based Nanocarrier Drug Delivery for Cancer Therapy <u>Sakshi Soni, Sunny Rathee, Umesh K Patil</u>
OP-56	Phytochemical Constituents and Antioxidant Profiling of <i>Tamarindus indica</i> Aqueous/Methanol Leaves and Pulp Extracts <u>Babangida Sanusi, Aliyu Muhammad1, Auwalu Garba, Abdullahi Balarabe Sallau</u>
OP-57	Agitated <i>in vitro</i> Cultures of <i>Houttuynia cordata</i> as a Source of Phenolic Compounds with Antioxidant Activity <u>Aliaksandra Yafimawa, Julianna Pijaj, Inga Kwiecień</u>

OP-58	Comparative Study of Essential Oil Composition and Biological Activities in Spontaneous and Cultivated <i>Lavandula dentata</i> Siham Houssayni, Oumaima Akachoud, Btissam Zoubi, Meryem Youssfi, Hafida Bouamama, Ahmed Qaddoury
OP-59	Green Hot Extraction Approach Olive Leaf Industrial Waste: Box-Behnken Optimization and Bioactivity Assessment for Skin Anti-Aging Potential Sila Ozlem Sener
OP-60	Determination of the Effect of Ontogenetic Variability on Some Morphological and Physiological Characteristics of the Immortelle (<i>Helichrysum Italicum</i> (Roth) G. Don Fil.) Plant Murat Tuncturk, Ruveyde Tuncturk, Lutfi Nohutcu, Ezelhan Selem
12.00 – 13.00	LUNCH BREAK
SALON B / SESSION – XVI	
13.00 – 14.20	ORAL PRESENTATIONS
	CHAIRS: Abdullah M. Al-Sadi & Kadriye Arslan Baykara
OP-61	“Development and Characterization of Drug Bearing Surface Modified Nanocarriers for the Effective Management of Alzheimer’s Disease” Sunny Rathee, Sanjay K. Jain, Umesh K. Patil
OP-62	Biophysical Characterization of <i>Salvia officinalis</i> and <i>Ocimum basilicum</i> Essential Oils Using Model Lipid Bilayers and Microfluidic Systems Sebnem Marzi, Mahdi Marzi
OP-63	A Polyherbal Approach to Wound Care: Development of A Metered-Dose Film-Forming Spray Using Modified Panchavalkal Extract Divya Iyengar, Prachi Pathak, Chhaya Gadgoli

OP-64	Effects of Mulching Practices on Essential Oil Composition of Zahter (<i>Thymbra spicata</i> var. <i>spicata</i>) <u>Hakan Çetinkaya, Nazım Şekeroğlu</u>
OP-65	Desert Medicinal-Plant Endophytes as Dual-Function Bioprotectants and Stress Modulators: A Translational Pipeline for Arid Agriculture <u>Abdullah M. Al-Sadi, Hamad Al-Nadabi, Fatma Al-Makhmari, Issa H. Al-Mahmooli, Rethinasamy Velazhahan</u>
OP-66	Determination of Some Morphological, Physiological, and Color Values of Castor Bean (<i>Ricinus communis</i> L.) Grown in Van Province <u>Ezelhan Selem, Lutfi Nohutcu, Adnan Yavic, Ruveyde Tuncturk, Murat Tuncturk</u>
OP-67	Under Abiotic and Biotic Stress Condition, Aromatic Diversity among Wild Grown Strawberries (<i>Fragaria vesca</i> L.) <u>Sezai Ercisli</u>
OP-68	Vegetative Growth Response of Lavender to Mulching in Olive–Lavender Intercropping Systems <u>Hatice Gözel, Hakan Çetinkaya</u>
OP-69	LaMYC7-Mediated Transcriptional Regulation of B-Caryophyllene Biosynthesis in <i>Lavandula angustifolia</i> <u>Yanmei Dong, Hongtong Bai, Fei Xia, Hui Li, Lei Shi</u>
OP-70	

	SALON A	
	14.30 – 15.00	
	Closing ceremony	

**MESMAP – 12
POSTER PRESENTATION
PROGRAM**

22 January 2026, Thursday

17.10-18.00

POSTER SESSION

PP – 1	Evaluation of Phenolic Content, Antioxidant Capacity, and Enzyme Inhibition Activities of <i>Nepeta italica</i> L. Ethanol Extract Barış Reşitoğlu, Fethullah Tekin, Mehmet Hüseyin Alkan, Eda Çavuş Kaya, Nesrin İncegören, Mehmet Çavuşoğlu, Işıl Aydın, Abdulselam Ertas
PP – 2	The Influence of Cultivation Practices on the Chemical Composition and Biological Potential of <i>Thymus saturejoides</i> Meryem Youssfi, Siham Houssayni, Oumaima Akachoud, Btissam Zoubi, Hafida Bouamama, Ahmed Qaddoury
PP – 3	Implications for Herbal Medicine Utilization: Prevalence, Practices, and Perceptions of <i>Senna alexandrina</i> Use in Najran, Saudi Arabia Bassam S. M. Al Kazman, Omaish S. Alqahtani, Alaa A. El-Banna, Hany G. Attia, Mohamed A. A. Orabi
PP – 4	Picrocrocin From Crocus Sativus as A Potential Phospholipase A ₂ Inhibitor: An Integrated <i>in silico</i> Admet, Docking and Molecular Dynamics Study Maroua Ait Tastift, Soukayna Baammi, Fatima Zohra Taleb, Chemseddoha Gadhi

PP – 5	Impact of Silver Nanoparticles on Antioxidant Activity of <i>Brassica rapa</i> var. <i>chinensis</i> (Pak Choi) under <i>in vitro</i> Culture Conditions <u>Inga Kwiecień</u>, Aleksandra Łukaszyk, Magdalena Kniaziewicz, Anita Kanik, Eliza Blicharska, Malgorzata Tatarczak-Michalewska, Katarzyna Czarnek, Barbara Kusznerewicz, Agnieszka Szopa
PP – 6	Anti-bacterial and Anti-inflammatory Activities of Cacao extract <u>Isariyaporn Yatha</u>, Busaraporn Disarakano, Lalitphan Duangsom, Chonticha Romyasamit
PP – 7	Phytochemical Investigation of <i>Nepeta italica</i> L. Species By LC-MS/MS and GC-MS Baris Resitoglu, Kureyş Yemen, Serkan Yigitkan, Fethullah Tekin, Mustafa Abdullah Yilmaz, Murat Yolcu, <u>Ismail Yener</u>
PP – 8	Neuroprotective Potential of Medicinal Salt Tolerant Plants Maria João Rodrigues, Catarina Guerreiro Pereira, <u>Luísa Custódio</u>
PP – 9	Repurposing A Medicinal Halophyte: Stress Responses of <i>Limbarda crithmoides</i> L. during Acetaminophen Phytoremediation Hanne Hoornaert, Nuno Neng, <u>Luísa Custódio</u>, Maria João Rodrigues
PP – 10	Determination of Essential Oil and Aroma Content of <i>Lippia citriodora</i> Species Barış Reşitoğlu, Fethullah Tekin, Mehmet Akdeniz, Mehmet Veysi Çağlayan, <u>İsmail Yener</u>, İhsan Alacabey, Mehmet Hüseyin Alkan, Abdulselam Ertaş
PP – 11	Use of Phyto-Proteolytic Enzymes in the Confirmation of Antibodies to Red Blood Cell Antigens <u>Chinorote Suksai</u>, Nateelak Kooltheat

PP – 12	Chemical Composition and Biological Potential of the Components of Various Pomegranate Cultivars from Uzbekistan Azamatillo Mamajonov, Chao Liu, Ningyang Li, Davlat Akramov, Nilufar Mamadalieva
PP – 13	Phytochemical Characterization and Evaluation of the Bioactive Potential of Extractable Fractions from <i>Inonotus obliquus</i> and <i>Phallus impudicus</i> Paulius Kraujalis, Giedrė Jarienė, Asta Aleksandravičienė, Aldona Baltušnikienė, Žaneta Maželienė
PP – 14	Evaluation of Enzyme Inhibitory Activities of Ethanolic Extracts of <i>Lippia citriodora</i> Kunth. Serkan Yigitkan, Baris Resitoglu, Ramazan Tunc, Mehmet Ferit Demirel, Elif Varhan Oral, Abdulsalam Ertas
PP – 15	Selective Antiproliferative Effects and Broad Bioactivity of <i>Curcuma longa</i> L. Extract: Antioxidant and Antimicrobial Insights Emoke Pall, Rares Bejenariu, Olah Diana, Emilia Trif, Aurel Vasii, Marina Spinu, Simona Ciupe
PP – 16	LC-HRMS-Based Phenolic Profile and the Antioxidant and Anti-aging Potential of <i>Daucus carota</i> L. Flower Extract Tugba Aydin, Meltem Gulec, Ebru Erol, Cagla Kızılarslan Hancer
PP – 17	Heavy Metal Accumulation and Essential Oil Composition of Lavender (<i>Lavandula vera</i> L.) Cultivated on Metal-Contaminated Soils Violina Angelova

PP – 18	DESI-MS as a Hyphenated Technique for Identification of <i>Pelargonium sidoides</i> and <i>Pelargonium reniforme</i> <u>Weivang Chen, Kabelo N. Mohlamonyane, Efficient Ncube, Alvaro M. Viljoen</u>
PP – 19	Optimizing Tomato Seed Germination Using Water Residues from <i>Salvia rosmarinus</i> Speen. Hydrodistillation <u>Meriem Rafya, Mohcine Boucetta, Naima Zehhar, Fatiha Benkhalti</u>
PP – 20	Chemical Composition and Quality Assessment of Commercial Immortelle Hydrosols from the Croatian Market <u>Barbara Bilandžija, Lucija Bilandžija, Valerija Dunkić, Marija Nazlić, Lea Pollak, Dario Kremer, Lea Juretić, Renata Jurišić Grubešić, Suzana Inić</u>
PP – 21	Intranasal Administration of Ashwagandha and Brahmi -Loaded Chitosan Nanoparticles: A Novel Approach in Anxiety Management <u>Kulbhushan Sarkate, Tabassum Khan</u>
PP – 22	Characterization and Quality Evaluation of <i>Helichrysum italicum</i> Essential Oils Available on the Croatian Market <u>Lucija Bilandžija, Barbara Bilandžija, Valerija Dunkić, Marija Nazlić, Lea Pollak, Dario Kremer, Lea Juretić, Renata Jurišić Grubešić, Suzana Inić</u>
PP – 23	Development and Evaluation of An Herbal Nanoemulgel for Acne and Post-Inflammatory Hyperpigmentation <u>Mayur Wagh, Tabassum Khan</u>
PP – 24	<i>Acmella oleracea</i> Flowers - Transforming Traditional Tribal Knowledge to Consumer-Friendly Gel for Healing Oral Ulcers <u>Nikita Sanap, Tabassum Khan</u>

PP – 25	Phytochemical Investigations and Cytotoxic Activity of <i>Litsea ghatica</i> , an Endemic Plant from Western Ghats of India Sayali Churi, Sahaya Nadar, Tabassum Khan
PP – 26	Distinction of Chia Genotypes and Rosmarinic Acid Production <i>in vivo</i> and <i>in vitro</i> Using Flow Cytometry Sara Motyka-Pędrak, Sergio J. Ochatt, Agnieszka Szopa
PP – 27	Evaluation of the Adjuvant Quality for Vaccines of Whole Nettle Extract in Immunologically Mature Chickens Carmen Dana Sandru, Marina Spinu, Aurel Vasiu, Silvana Popescu, Eموke Pall, Diana Olah
PP – 28	UHPLC–MS/MS Analysis and Antimicrobial Properties of Stolons Methanolic Extract and Fractions from the Moroccan Endemic Species <i>Searsia albida</i> (Schousb.) Moffett Derdar F.E., Zefzoufi M., Fdil R., Ennaji H., Ibenmoussa S., Bouamama H.
PP – 29	Anti-Aging Properties of <i>Maclura pomifera</i> (Raf.) C.K. Schneid. Green Hot Extract <i>via</i> Collagenase Inhibition Omer Sen
PP – 30	Modulation of Oxidative Stress and Oocyte Developmental Competence by <i>Curcuma longa</i> L. Extract During Bovine <i>in vitro</i> Maturation Emoke Pall, Cenariu Mihai, Borzan Mihai, Simona Ciupe

MESMAP – 12
ON-LINE
PRESENTATION PROGRAM

23.01.2026

13.00-15.00

23 January 2026, Friday

13.00 – 15.00

ON-LINE INVITED SPEAKERS & ORAL PRESENTATIONS

ON-LINE SESSION CHAIRS: Ana Paula de Almeida & Kuntal Das

ON-LINE INVITED SPEAKERS

OIS-1

Prof. Dr. Ana Paula de Almeida

Diretora Científica no Instituto iDeHia, Porto, **PORTUGAL**

“Beyond Information: The Empyrica Ecosystem for Transformative Knowledge”

OIS-2

Prof. Dr. Kuntal Das

Shree Siddaganga College of Pharmacy, Tumkur, Karnataka, **INDIA**

“From Nature to Novelty: Standardized Approaches in Phytochemical Exploration”

ON-LINE ORAL PRESENTATIONS

OOP-1	Protective Role of <i>Cynara cardunculus</i> L. Leaf Extract on Gut Barrier and Inflammation: Insights from <i>in vitro</i> Models <u>Antonio Speciale</u>
OOP-2	Nanocurcumin in Preclinical Research: A Systematic Review of <i>in vitro</i> and <i>in vivo</i> Evidence <u>Danial Ahmadvand</u>
OOP-3	Comparison of the Morphological and Karyological Characteristics of <i>Centaurea anthemifolia</i> and <i>C. sipylea</i> (Compositae) <u>Emrah Sirin</u>
OOP-4	Nutritional Characterization, Fatty Acid Profile and Antioxidant Properties of Supercritical CO ₂ Extracts of <i>Cucurbita moschata</i> Duchesne Ex Poiret Seeds Hatice Banu Kesinkaya, <u>Merve Koçak</u>, Zeliha Ustun Argon, Süleyman Dogu
OOP-5	Comparative Evaluation of Nano-Curcumin Formulations: A Systematic Review with Translational Insights and Clinical Dose Recommendations <u>Shirin Sirouskabiri</u>
OOP-6	Effect of A Medicinal Plant Phytocomposition on Cortisol and Cytokine Levels in Dextran-induced Inflammation <u>Shukhrat Mavlanov, Alisher Rakhmanov, Ziyaviddin Khakimov</u>
OOP-7	Effects of <i>Chenopodium album</i> L. on Enzyme Inhibition Mechanisms <u>Tugba Gunbatan</u>

OOP-8	Antimicrobial Activity of Essential Oils on Oral Microorganisms in Inflammatory Periodontal Diseases <u>Kryvtsova Maryna, Kostenko Yevhen, Sklar Ivan, Goblin Yevhen, Kolesnyk Oleksandra</u>
OOP-9	<i>Cuscuta epithymum</i> L. in Endometriosis: Translational Insights Bridging Persian Medicine and Molecular Mechanisms <u>Saeed Sardari, Zahra Najmi, Ehsan Saboory, Narjes Khavasi</u>
OOP-10	Physicochemical Characterization and Bioactive Compounds of Craft Pale Ale Beer with Addition of <i>Opuntia apurimacensis</i> (Tuna Ayrampo) Extracts and Agro-Industrial Residues <u>Oliver Taype-Landeo, Irina S. Boksha</u>
OOP-11	Plant-Inspired Rational Design and Synthesis of Novel Hybrid Small Molecules Targeting Sod1 and Tdp-43 Proteins <u>Belgin Sever, Masami Otsuka, Mikako Fujita, Rumiana Tzoneva, Halilibrahim Ciftci</u>
OOP-12	Karyomorphological Studies of Three Endemic <i>Aethionema</i> (Brassicaceae) Species in Turkiye <u>Mervem Bozkurt, Kuddisi Ertuğrul, Tuna Uysal</u>
OOP-13	Assessment of the Cytotoxic Effects of <i>Muscari microstomum</i> P.H. Davis & D.C. Stuart Extracts <u>Ela Nur Şimşek Sezer, Tuna Uysal</u>

OOP-14	Synergy of Phytotherapy and Acupuncture for Vitality and Urogenital Health in Perimenopausal and Menopausal Women <u>Štefica Findri Guštek</u> , Višnja Oreščanin, Matea Guštek, Ivana Guštek, Maja Mustać
ON-LINE POSTER PRESENTATIONS	
OPP-1	Extraction of Clove Oil, Isolation of Eugenol, and Antioxidant and Toxicological Evaluations <u>Carolina Maria Cucolo</u> , Livia Maria Cucolo, Claudemir Batalini, Jair Marques Junior ⁴
OPP-2	Structural Insights into HIV-1 Matrix Protein Interactions with Plant-Based IP6-Derived Inhibitors <u>Belgin Sever</u> , Ayça İrgit Calayir, Hasan Demirci, Halilibrahim Ciftci
OPP-3	LC-MS-Based Phenolic Profiling of <i>Centaurea sericea</i> Wagenitz Extracts <u>Hatice Kübra Şentürk</u> , Tuna Uysal, <u>Ela Nur Şimşek Sezer</u>

MESMAP – 12 SYMPOSIUM TOUR

CHARGABLE

24.01.2026

09.00-17.00