

PROGRAM BOOK



*The 7th International Mediterranean
Symposium on Medicinal and Aromatic Plants
November 18-20, 2021 in Izmir – TURKEY*



www.mesmap.org



**TURKISH
AIRLINES**



**Association of
Cosmetic
Manufacturers
and Researchers**

**The Seventh International Mediterranean Symposium on
Medicinal and Aromatic Plants**

**MESMAP - 7
PROGRAM BOOK**

November 18th – 20th, 2021

Izmir-Turkey



MESMAP SYMPOSIUMS are indexed by
**Web of Science Conference Proceedings Citation Index
SCIENCE (CPCI-S) / Scopus Index**



MESMAP-7 is hosted by
Dokuz Eylul University, Izmir
&
**Torbali Chamber of Commerce,
Izmir-TURKEY**



MESMAP-7 Sempozyumunda sunulan bildirilerin yaklaşık %65'lik kısmı yabancı katılımcılar tarafından sunulacak olup, sempozyuma 25 farklı ülkeden bilim insanı katılım sağlayacaktır. MESMAP-7 Sempozyumu YÖK Akademik teşvik ve yükselme kriterlerini sağlamaktadır.

İlgili YÖK akademik teşvik yönetmeliği; 17/1/2020 tarihli ve 31011 sayılı Resmî Gazete'de yayımlanan 16/1/2020 tarihli ve 2043 sayılı Cumhurbaşkanî Kararı uyarınca:

(9) (Değişik: RG-17/1/2020-31011-CK-2043/3 md.) Tebliğlerin sunulduğu yurt içinde veya yurt dışındaki etkinliğin uluslararası olarak nitelendirilebilmesi için Türkiye dışında en az beş farklı ülkeden sözlü tebliğ sunan konuşmacının katılım sağlaması ve tebliğlerin yarıdan fazlasının Türkiye dışından katılımcılar tarafından sunulması esastır. Ayrıca etkinliğin uluslararası niteliği haiz olup olmadığı hususunda, ödemeye esas teşkil etmek üzere üniversite yönetim kurulu kararının olması gerekir. Tebliğlerin değerlendirilmesinde tebliğin ilgili etkinlikte sunulmuş ve bunun belgelendirilmiş olması (etkinlik programı ve etkinliğe tebliğde ismi yer alan en az bir araştırmacının katılım sağladığını gösterir belge) esastır. Ayrıca değerlendirme için tebliğin elektronik veya basılı olarak etkinlik tebliğ kitapçığında yer alması ve yayımlanmış tam metninin sunulması gerekir.

EDITORS

Prof. Dr. Nazım ŞEKEROĞLU

Assoc. Prof. Dr. Sevgi GEZİCİ

Cover Design by

Mustafa ÖZYAĞLI (Graphic Designer, KİLİS)

MESMAP Official Logo Designed by

Abdulgani BARUTÇU (Kaju Digital, KİLİS)

CHAIRS OF MESMAP-7

Prof. Dr. Nazım ŞEKEROĞLU

Department of Agricultural Engineering, Faculty of Horticulture,
Kilis 7 Aralik University, Kilis, TURKEY
President of AMAPMED
General Coordinator of GOFMAP

Prof. Dr. Anake KIJJOA

Instituto de Ciências Biomédicas Abel Salazar & Interdisciplinary
Centre of Marine and Environmental Research (CIIMAR),
Universidade do Porto, PORTUGAL

SYMPOSIUM SECRETARY

Assoc. Prof. Dr. Sevgi GEZİCİ

Department of Molecular Biology and Genetics,
Faculty of Science and Literature,
Kilis 7 Aralik University, Kilis, TURKEY

HONORARY BOARD

Prof. Dr. Nükhet HOTAR
Rector of Dokuz Eylul University, TURKEY

Prof. Dr. Arif ÖZAYDIN
Rector of Gaziantep University, TURKEY

Prof. Dr. Mustafa Doğan KARACOŞKUN
Rector of Kilis 7 Aralik University, TURKEY

Prof. Dr. Ricardo LOURO BERBARA
Federal Rural University of Rio de Janeiro (UFRRJ), BRAZIL

Prof. Dr. Sumon SAKOLCHAI
President, Khon Kaen University, THAILAND

Prof. Dr. Yusuf BARAN
Rector of Izmir High Technology Institute, TURKEY

Prof. Dr. Paiboon DAOSODSAI
Dean of Faculty of Pharmaceutical Sciences, Khon Kaen University, THAILAND

Bekir KARACABEY
General Directorate of Forestry, Republic of TURKEY

Dr. Mehmet HASDEMİR
General Directorate of Plant Production, Republic of TURKEY

Abdulahap OLGUN
President of Torbalı (Izmir) Chamber of Commerce, TURKEY

ORGANIZING COMMITTEE*

PROF. DR. ANAKE KIJJOA (PORTUGAL)

PROF. DR. ANA PAULA DE ALMEIDA (BRAZIL)

PROF. DR. AYSE BETUL AVCI (TURKEY)

PROF. DR. BERAAT OZCELIK (TURKEY)

PROF. DR. CIMEN KARASU (TURKEY)

PROF. DR. ERNAWATI SINAGA (INDONESIA)

PROF. DR. IVAN SALAMON (SLOVAKIA)

PROF. DR. ILKAY ERDOGAN ORHAN (TURKEY)

PROF. DR. JIANBO XIAO (SPAIN)

PROF. DR. KHAETTHAREEYA SUTTHANUT (THAILAND)

PROF. DR. KOULA DOUKANI (ALGERIA)

PROF. DR. MARIA DAGLIA (ITALY)

PROF. DR. MARYNA KRYVTSOVA (UKRAINE)

PROF. DR. MONICA HANCIANU (ROMANIA)

PROF. DR. MURAT TUNCTURK (TURKEY)
PROF. DR. MUTLU AYTEMIR (TURKEY)
PROF. DR. NAZIM SEKEROGLU (TURKEY)
PROF. DR. NAZLI ARDA (TURKEY)
PROF. DR. RAMAN DANG (INDIA)
PROF. DR. RANDOLPH ARROO (UK)
PROF. DR. TAKASHI WATANABE (JAPAN)
PROF. DR. UFUK KOCA ÇALIŞKAN (TURKEY)
ASSOC. PROF. DR. SEVGİ GEZİCİ (TURKEY)
DR. AHMAD ALI (INDIA)
DR. DECHA KUMLA (PORTUGAL)
DR. FARUK KARAHAN (TURKEY)
DR. HASNA BOUHENNI (ALGERIA)
DR. LAMIA HAMROUNI (TUNISIA)

**Alphabetically ordered*

SUPPORTERS & SPONSORS

Organizing committee would like to thank sincerely to the supporters and sponsors for their valuable support;

- General Directorate of Forestry, Republic of Turkey
- Dokuz Eylul University, Turkey
- Gaziantep University, Turkey
- Izmir Institute of Technology, Turkey
- Kilis 7 Aralik University, Turkey
- Kumamoto University, Japan
- Khon Kaen University, Thailand
- Rural Federal University of Rio de Janeiro (UFRRJ), Brazil
- Instituto Idehia, Portugal
- KUAD – Cosmetic Producers and Researchers Associations
- TURKISH AIRLINES
- Torbalı (Izmir) Chamber of Commerce, Turkey
- ADSI – Austrian Drug Screening Institute
- APTI – Association of Pharmaceutical Teachers of India
- AMAPMED – Association of Medicinal and Aromatic Plants of Mediterranean
- AMAPSEEC – Association for Medicinal and Aromatic Plants of Southeast European Countries
- SILAE – Società Italo-Latinoamericana di Etnomedicina
- CTFC – Centre Forestal Centre Tecnològic Forestal de Catalunya
- INRGREF – National Research Institute of Rural Engineering, Water and Forests
- FIARNS09 – Free International Association of Researchers on Natural Substances 2009
- ESCORENA – The European System of Cooperative Research Networks in Agriculture
- Società Botanica Italiano
- Iranian Medicinal Plants Society
- Istk Spices and Herbs Company
- Talya Herbal Company
- Kilizi Organic Olive Oil
- Altun HUZME Olive Oil
- NS Herbals Company



The 7th International Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-7)

18- 19th November 2021

(Opening & Lectures and Presentations)

Dokuz Eylul University, DESEM Meeting Halls

**20th November (International – Awarded MAPs R&D
Project Market and Fair)**

Torbalı Chamber of Commerce Meeting Halls

MESMAP – 7

ORAL PROGRAM

**18 NOVEMBER 2021, THURSDAY
SALON A**

PROTOCOL & OPENING SPEECHES

Prof. Dr. Nazım ŞEKEROĞLU

Chair of MESMAP International Symposiums

Prof. Dr. Anake KIJJOA

Co-chair of MESMA-7 International Symposiums

Abdulvahap OLGUN

President of Torbalı (Izmir) Chamber of Commerce, TURKEY

Prof. Dr. Yusuf BARAN

Rector of Izmir Institute of Technology, TURKEY

Prof. Dr. Arif ÖZAYDIN

Rector of Gaziantep University, TURKEY

Prof. Dr. Nükhet HOTAR

Rector of Dokuz Eylul University, TURKEY

**IST, TURKEY
TIME ZONE
09.30 – 10.30**

SALON A / SESSION – I	
CHAIRS: Kinzo Matsumoto & Anake Kijjoa	
10.30 – 11.00	Keynote Lecturer: Prof. Dr. Yoshinori Asakawa The President of PSA Director, Institute of Pharmacognosy, Tokushima Bunri University, Tokushima, JAPAN Title: <i>‘Liverworts Are Good Sources of Bio- and Pharmacologically Active Compounds’</i>
11.00 – 11.20	Invited Lecturer: Prof. Dr. Marc F. Diederich Department of Pharmacy, College of Pharmacy, Seoul National University, Building 29 Room 223, 1 Gwanak-ro, Gwanak-gu, Seoul, 08826, SOUTH KOREA Title: <i>‘Natural Compounds Induce Immunogenic Cell Death in Cancer’</i>
11.20 – 11.40	Invited Lecturer: Prof. Dr. Muhsin Konuk Department of Molecular Biology and Genetics, Faculty of Engineering and Natural Sciences; Biotechnology Research and Application Center, University of Üsküdar, Istanbul, TURKEY Title: <i>‘On the Some Remarkable Features of Hesperidin’</i>

11.40 – 12.00	Invited Lecturer: Prof. Dr. Franz Bucar Institute of Pharmaceutical Sciences, Department of Pharmacognosy University of Graz, AUSTRIA Title: <i>‘Aromatic Plants as Antibacterials – more than Inhibitors of Bacterial Growth’</i>
12.00 – 12.20	Invited Lecturer: Prof. Dr. Jianbo Xiao Department of Analytical Chemistry and Food Science, Faculty of Food Science and Technology, University of Vigo, Vigo, SPAIN Title: <i>‘Myricetin Alleviates RAW264.7 Macrophages Damage Induced by High Glucose Levels’</i>
12.20 – 13.30	BREAK (LUNCH TIME)
SALON A / SESSION – II	
CHAIRS: Yoshinori Asakawa & Marc F. Diederich	
13.30 – 14.00	Keynote Lecturer: Prof. Dr. Kinzo Matsumoto Graduate School of Pharmaceutical Sciences, Daiichi University of Pharmacy, Fukuoka 825-8511, Fukuoka, JAPAN Title: <i>‘Experimental Therapeutic Approach to Autism Spectrum Disorder from Kampo Medicines in a Neurosteroid Deficiency Model’</i>

14.00 – 14.20	Invited Lecturer: Prof. Dr. Francesco Cimino Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Messina, ITALY Title: ‘Anthocyanins as Protective Agents Against Metabolic Syndrome-Related Dysfunctions: Potential Mechanisms Underlying Preventive and Therapeutic Benefits’
14.20 – 14.40	Invited Lecturer: Dr. Orawan Monthakantirat Faculty of Pharmaceutical Sciences, Khon Kaen University, 123 Mitraphap Rd., 40002, Maung Khon Kaen, THAILAND Title: ‘Neuroprotective Potential and Phytoconstituents of Thai Traditional Herbal Formula “Kleeb Bua Daeng” Against Neuropsychiatric Diseases and Neurodegenerative diseases’
14.40 – 15.00	Invited Lecturer: Prof. Dr. Riyaz Z. Sayyed Head, Dept. of Microbiology, PSGVPM'S ASC, College, SHAHADA 425409 (KBC North Maha. Univ.), INDIA Title: ‘Role of Endophytic Rhizobacteria in Inducing Systemic Resistance and Bio-Control of Fungal Pathogens of Medicinal Plants’
15.00 – 15.20	Invited Lecturer: Prof. Dr. Alban Ibraliu Department of Agronomic Sciences, Agricultural University, Kodër Kamëz, Tirana, ALBANIA Title: ‘Situation of MAPs in Albania– Trend and Challenges for the future’
15.20 – 15.40	Invited Lecturer: Assist. Prof. Dr. Ali Ammarellou Research Institute of Modern Biological Techniques; University of Zanjan, IRAN Title: ‘Introducing of ‘Spino’ as Domesticated Wild Spinach with High Minerals and Medicinal Biomolecules’
15.40 – 16.00	COFFEE BREAK

SALON A / SESSION – III

CHAIRS: Franz Bucar & Jianbo Xiao

16.00 – 16.30	Keynote Lecturer: Prof. Dr. Irfan Ali Khan ‘Former Director, Nawab Shah Alam Khan Center for Post Graduate Studies and Research’ Osmania University, Mallepally, Hyderabad - 500001, Telangana State, INDIA Title: ‘How Many Discoveries Have Been Lost by Ignoring the Proper Application of Biostatistical Methods?’
16.30 – 16.50	Invited Lecturer: Dr. Mario Licata Department of Agricultural, Food and Forest Sciences Università degli Studi di Palermo Viale delle Scienze 13, 90128, Palermo, ITALY Title: ‘The Influence of Treated Wastewater Irrigation on Growth, Yield and Essential Oil Compounds of Sicilian Oregano (<i>Origanum vulgare ssp. Hirtum</i> (Link) Ietswaart)’
16.50 – 17.10	Invited Lecturer: Assoc. Prof. Dr. Gökhan Zengin Physiology and Biochemistry Research Laboratory, Department of Biology, Science Faculty, Selcuk University, Campus, 42130, Konya, TURKEY Title: ‘Chemical characterization and biopharmaceutical properties of three fruits from Côte d’Ivoire’

17.10 – 17.30	Invited Lecturer: Prof. Dr. Salah Akkal Unit for the Valorization of Natural Resources, Bioactive Molecules and Physico-Chemical and Biological Analyzes, Faculty of Exact Sciences, Department of Chemistry, Mentouri University of Constantine 1, ALGERIA Title: ‘Novel Natural Products from Algerian Medicinal and Aromatic Plants’
17.30 – 17.50	Invited Lecturer: Prof. Dr. Eldar Garayev Department of General and Toxicological Chemistry, Faculty of Pharmacy, Azerbaijan Medical University, AZ-1078, Baku, AZERBAIJAN Title: ‘Phytochemistry of Some Alkaloid Containing Plants from Azerbaijan’
17.50 – 18.10	Invited Lecturer: Dr. Salar Hafez Ghoran Department of Chemistry, Medicinal and Natural Products Chemistry Research Center, Shiraz University of Medical Sciences, Shiraz, IRAN Title: ‘Some Uncommon Bioactive Metabolites from Salvia sp. (Lamiaceae) and Scilla sp. (Liliaceae)’
QUESTION & DISCUSSION	

19 NOVEMBER 2021, FRIDAY

SALON A

SALON A / SESSION – IV

CHAIRS: Jamal Fayazi & Badr E. Kartah

09.20– 10.20	ORAL PRESENTATIONS
OP-1	Fatemeh Hendijani, <u>Jamal Fayazi*</u>, Hedayat-Allah Roshanfekar, Reza Ghorbani <i>Gene Expression Evaluation of Star in Testis and TSPO in Quail Ovaries Under the Influence of Vitamin E</i>
OP-2	<u>Badr E. Kartah*</u>, Fatima Z. Raja, Joana Costa, Joana S. Amaral, Zoubida Charrouf, Hanae El Monfalout, Liliana Grazina, Caterina Villa, M. Beatriz P. P. Oliveira, Isabel Mafra <i>Development of New Molecular Tools to Assess Argan Oil Authenticity: Detection of Olive Oil as a Potential Adulterant</i>
OP-3	E. Duyuşen Güven, Serpil Özmişçi, Ayşenur Özuysal, <u>Görkem Akıncı*</u> <i>Metals Accumulation and Transfer in Portulaca oleracea L. Samples as Edible Wild Plants in Aegean Region of Mediterranean Area</i>
OP-4	<u>Noshin Ilyas*</u>, Fatima Batool, Nosheen Akhtar <i>Effect of Plant Growth Promoting Rhizobacteria on Biochemical and Physiological Parameters of Basil</i>
OP-5	<u>Višnja Oreščanin*</u>, Štefica Findri Guštek <i>The Performance of BIOAPIFIT® Anti Atopic Ointment in The Treatment of Psoriasis vulgaris</i>
10.20 – 10.30	COFFEE BREAK

SALON A / SESSION – V	
CHAIRS: Ivan Salamon & Muhsin Konuk	
10.30– 11.30	ORAL PRESENTATIONS
OP-6	<u>Ivan Salamon*</u> <i>Essential Oil German Chamomile (Matricaria recutita L.) in Ukraine and Its Composition of Essential Oil</i>
OP-7	<u>Ivan Salamon*</u>, Worrapan Poomanee, Augustin Lapos <i>Qualitative and Quantitative Analysis of High-Level Chemical Constituents of Chamomile and Peppermint Grown in Eastern Slovakia</i>
OP-8	<u>Yaowared Chulikhit*</u>, Maneenet J, Monthakantirat O, Daodee S, Boonyarat C, Chotritthirong Y, Kwankhao P, Pitiporn S, Awale S <i>Merging the Multi-Target Effects of Kleeb Bua Daeng, A Thai Traditional Herbal Formula in Unpredictable Chronic Mild Stress-Induced Depression</i>
OP-9	<u>Cornelia Mircea*</u>, Monica Hăncianu, Flavia Burlec, Oana Cioancă, Cristina Iancu, Andreia Corciovă <i>Improving the Biological Properties of Plant Extracts by the Synthesis of Metal Nanoparticles</i>
OP-10	<u>Oana Cioanca*</u>, Cornelia Mircea, Remo Dorneanu, Ioana Humulescu, Ionut Iulian Lungu, Silvia Robu, Dana Tutunaru, Monica Hancianu <i>Biological Characterization of Anthocyanins in Oxidative Stress and Urinary Infections</i>
11.30– 11.40	COFFEE BREAK

SALON A / SESSION – VI	
CHAIRS: Khaetthareeya Sutthanut & Nina Djapic	
11.40 – 12.40	
ORAL PRESENTATIONS	
OP-11	Manuschanok Jampa, <u>Khaetthareeya Sutthanut*</u>, Wipawee Tukummee, Jintanaporn Wattanathorn, Natthida Weerapreeyakul <i>Cosmeceutical potential of Manihot esculenta leaf: UV filter, antioxidation, anti-melanogenesis, collagen synthesis enhancement, and anti-adipogenesis</i>
OP-12	<u>Davide Farruggia*</u>, Giuseppe Virga <i>Morphological and Qualitative Evaluation of Clary Sage Populations from Sicily (Italy)</i>
OP-13	<u>Nicolò Iacuzzi*</u>, Giuseppe Virga <i>Effects of Irrigation and Type of Substrate on the Morphological and Production Characteristics of Biotypes of Rosmarinus officinalis L. Grown in Pots</i>
OP-14	<u>Claudio Ferrante*</u>, Alessandra Acquaviva, Simonetta Cristina Di Simone, Giustino Orlando, Luigi Menghini <i>Phytochemical and Pharmacological Effects of Two Industrial Hemp Varieties from Italian Cultivation</i>
OP-15	<u>Nina Djapic*</u> <i>Autumn Leaves Fragrance Oil</i>
12.40 – 13.45	
BREAK (LUNCH TIME)	

SALON A / SESSION – VII	
CHAIRS: Marina Spînu & Irfan Ali Khan	
13.45– 14.45	ORAL PRESENTATIONS
OP-16	<u>Ahlem Ben Sassi*</u>, Sana Zerai, Imed Ben Aissa, Maha Mastouri, Messaoud Mars <i>Effect of Osmotic Stress on Germination, Seedling Growth and Physiological Parameters of Brassica oleracea L.</i>
OP-17	<u>Marina Spînu*</u>, Diana Olah, Carmen Dana Şandru, Páll Emöke, Constantin Cerbu, Monica Suătean, Emilia Ungureanu, Sergiu Zăblău, Gheorghiță Duca, Mariana Rusu, Aurel Vasiu <i>Is In Vitro Plant Extracts' Activity Conditioned by Phylogenetic Differences between Target Species?</i>
OP-18	<u>Ciprian Ilaşcă*</u>, Diana Olah, Gheorghiță Duca, Mariana Rusu, Adrian Potârniche, Sergiu Zăblău, Páll Emöke, Constantin Cerbu, Aurel Vasiu, Marina Spînu, Carmen Dana Şandru <i>Hippophae Rhamnoides Alcoholic Extract's Potential Use as a Non-Specific Phagocytosis Enhancer in Cows with Clinical Mastitis</i>
OP-19	<u>Antonio Speciale*</u> <i>A Pinitol-Rich Glycyrrhiza glabra L. Leaf Extract as Functional Supplement with Potential in the Prevention of Metabolically Induced Inflammation and Insulin-Resistance</i>
OP-20	<u>Elham Nezarat, Mohammad Hossain Gharineh*</u>, Seyed Amir Moosavi, Saman Abdanan Mehdizade <i>Treatments to Overcome Seed Dormancy in Caper (Capparis spinosa)</i>
14.45– 15.00	COFFEE BREAK

SALON A / SESSION – VIII**CHAIRS: Sura Baykan Ozturk & Gorkem Akinci**

15.00 – 16.00	ORAL PRESENTATIONS
OP-21	<u>Narin Sadıkoğlu*</u> <i>The Status of Herbal Products in Pharmacies in Kahramanmaraş/Turkey</i>
OP-22	<u>Gokay Albayrak*</u>, Serdar Demir, Halil Koyu, Sura Baykan Ozturk <i>Anticholinesterase Compounds from Endemic Prangos uechtritzii Boiss & Hausskn</i>
OP-23	<u>Sibel Kerem, Nezahat Koşar, Fetullah Tekin, Ayşe Semra Güreser, Özlem Özbek*</u> <i>Investigation of Antimicrobial Activities of the Species Belong to The Genera of Tymbra, Thymus and Origanum in Lamiaceae Family from Turkey</i>
OP-24	<u>Merve Göre, Ayşe Betül Avcı*</u> <i>Jojoba Cultivation and Industrial Use Case</i>
OP-25	<u>Alper Dilek*</u>, Ebru Bati Ay, Muhammed Akif Açıkgoz, Beril Kocaman <i>Changes of Antioxidant Activity, Total Phenolic and Flavonoid Contents in Safflower According to Development Periods of Sorbitol Foliar Applications</i>
16.00 – 16.15	COFFEE BREAK

SALON A / SESSION – IX	
CHAIRS: Ramazan Çakmakçı & Ali Ammarellou	
16.15 – 17.15	ORAL PRESENTATIONS
OP-26	<u>Ramazan Çakmakçı*</u> <i>Effect of Inorganic Fertilizer and Microbial Consortium to Growth and Production of Sweet Basil (Ocimum basilicum L.)</i>
OP-27	<u>Songül Çakmakçı*, Ramazan Çakmakçı</u> <i>An Important Natural Resource for Health and Nutrition: Oleaster (Elaeagnus angustifolia L.)</i>
OP-28	<u>Ali Ammarellou*</u> <i>In vitro and field experiments on plant cultivation and propagation of Galbanum (Ferula gummosa L.)</i>
OP-29	<u>Ali Ammarellou*</u> <i>Establish of a national Live Collection of Viola sp. (LCV) in Iran and organizing program for its internationality coverage</i>
OP-30	<u>Riyaz Z. Sayyed*</u> <i>Application of inorganic Fertilizer Promotes Nutrients in the Ginger Rhizome and Soil Enzymes Activities</i>
17.15 – 18.15	POSTER SESSION (IST, TURKEY TIME ZONE) Poster dimensions should be 50x70 The poster session will be held online with the ZOOM application
	DISCUSSION & CLOSING

19 NOVEMBER 2021, FRIDAY
SALON B

SALON B / SESSION – I

CHAIRS: Ahmad Ali & Ela Nur Simsek Sezer

09.20– 10.20	ORAL PRESENTATIONS
OP-31	Dinesh Kumar, Nidhi Shah, <u>Ahmad Ali</u>* <i>Antiglycation and Antioxidant Properties of Tribulus terrestris</i>
OP-32	<u>Meryem Bozkurt</u>* <i>Comparative Karyotype Analysis of Populations in The Muscari massayanum (Asparagaceae) in Turkey</i>
OP-33	<u>Ela Nur Şimşek Sezer</u>* <i>Assessment of the In Vitro Cytotoxic Effects of Tanacetum haradjanii (Rech.Fil.) Grierson</i>
OP-34	Abdullah Naci, Hamza Alaşalvar, Bülent Başyigit, Pelin Salum, Zafer Erbay, <u>Mustafa Çam</u>* <i>Microencapsulation Process Affects Aroma Profile of Hibiscus sabdariffa</i>
OP-35	Mubasshira Mazharul Haque, Geeta Ibrahim, <u>Priya Sundarrajan</u>* <i>Utilization of Potato Peel Extract as a Source of Natural Antioxidant and Incorporation into Value Added Products</i>
10.20 – 10.30	COFFEE BREAK

SALON B / SESSION – II	
CHAIRS: Riyaz Z. Sayyed & Farida Fernane	
10.30– 11.30	ORAL PRESENTATIONS
OP-36	<u>Farida Fernane*</u>, Fella Gaad, Zahra Lhadjmohand <i>Phytochemical Analysis of Aerial and Underground Parts of Urtica dioica</i>
OP-37	<u>Kanber Kara*</u>, Abdullah Özbilgin, S. Ercüment Önel <i>Determination of silage quality of different Plantago species (Plantago major L., Plantago lanceolata L. and Plantago media L.)</i>
OP-38	<u>Mustafa Can*</u>, Belgin Sever, Halil Ibrahim Ciftci <i>Thiadiazole Derivatives as Potential EGFR Targeted Anticancer Agents</i>
OP-39	<u>Gökhan Erkan</u>, <u>Gizem C. Türkoğlu*</u>, A. Merih Saruışık, Ayşegül Ç. Bakadur, Burçin Ütebay <i>Medicinal and Aromatic Plants Extracts Use in Textiles</i>
OP-40	<u>Nurten Abacı*</u>, Ferhat Celep, Ilkay Erdoğan Orhan <i>Evaluation of Anti-Tyrosinase and Antioxidant Activities of Lamium L. Taxa Growing in Turkey</i>
11.30– 11.40	COFFEE BREAK

SALON B / SESSION – III**CHAIRS: Koula Doukani & Nuttinee Teerakulkittipong**

11.40 – 12.40	ORAL PRESENTATIONS
OP-41	<u>Nuttinee Teerakulkittipong*</u>, Santi Phosri, Monsiri Chetkhetkran <i>Bioactive Compounds from Ipomoea Pes-Caprea (L.) R. Br.: Extraction Methods, Chemical Characterizations, and Anti-Inflammation of Toxic Effects from the Jellyfish Venoms</i>
OP-42	<u>Tuğba Günbatan*</u>, H. Nazlı Gök, Burçin Özüpek, Sultan Pekacar, Didem Deliorman Orhan, İlhan Gürbüz <i>Investigation of the Effect of Six Plant Species on Enzymes Associated with Diabetes and Obesity</i>
OP-43	<u>Gulsum Yildiz*</u>, Halide Edip Temel, Betül Demirci <i>Cyclooxygenase Inhibitory Activity and Composition of Echinophora tenuifolia L. Subsp. Sibthorpiana (Guss.) Tutin L</i>
OP-44	<u>Fatma Uysal Bayar*</u>, Muharrem Gölükcü <i>Effect of Plant Age on Essential Oil Content and Composition of Salvia fruticosa (Mill.)</i>
OP-45	<u>Bouhenni Hasna*</u>, Doukani Koula <i>Combined Effect of Two Medicinal Plants; Fenugreek (Trigonella foenum-Graecum L.), Cumin (Cuminum cyminum L.) with Probiotics Against Helicobacter pylori</i>
12.40 – 13.45	BREAK (LUNCH TIME)

SALON B / SESSION – IV**CHAIRS: Kuntal Das & Salah Akkal**

13.45– 14.45	ORAL PRESENTATIONS
OP-46	<u>Kuntal Das*</u> <i>Herbal Cosmetic formulations with honey plant as skin care products and their clinical evaluation for commercialization</i>
OP-47	<u>Gheorghită Duca*</u>, Mariana Rusu, Emöke Páll, Diana Ioana Olah, Constantin Cerbu, Adrian Valentin Potârniche, Sergiu Dan Zăblău, Aurel VasIU, Carmen Dana Șandru, Marina Spînu, Florina Marian <i>Plant Essential Oils as an Alternative Therapy of Infectious Pododermatitis in Sheep</i>
OP-48	<u>Aurel VasIU*</u>, Carmen Dana Șandru, Diana Olah, Sergiu Zăblău, Pall EmoKE, Emilia Ungureanu, Adrian Potârniche, Constantin Cerbu, Gheorghită Duca, Mariana Rusu, Marina Spînu <i>Differences in Adjuvant Activity of an Oily Hippophae rhamnoides Extract in Aves and Mammalia</i>
OP-49	<u>Nazan Uysal Harzadın*</u> <i>The Place of Plants in Protecting our Health and Treating Diseases</i>
OP-50	<u>Mahmut Camlica, Gulsum Yaldiz*</u> <i>Correlation and PCA analysis results in 6 morphological properties of different fenugreek genotypes</i>
14.45– 15.00	COFFEE BREAK

SALON B / SESSION – V	
CHAIRS: Fatima Zohra Guellouma & Narimane Segueni	
15.00 – 16.00	ORAL PRESENTATIONS
OP-51	<u>Fatima Zohra Guellouma*</u> , Hadjer Boussoussa, Ihcen Khachba, Mohamed Yousfi <i>Antibacterial Activity Testing of Natural Extracts; Essential Oil, Phenols and Alkaloids of Some Medicinal Plants and Fungus against Multiresistant Drug Bacteria</i>
OP-52	<u>Fadime Eryılmaz Pehlivan*</u> <i>A Study of Medicinal Halophytes Native to the Gulf of Saros</i>
OP-53	<u>Narimane Segueni*</u> , Merve Keskin, Şaban Keskin, Benlabeled Kadour, Sevgi Kolaylı, Akkal Salah <i>Correlation Between Antibacterial Antioxidant and Phenolic and Flavonoid Contents of Different Algerian and Anatolian Propolis</i>
OP-54	<u>Narimane Segueni*</u> , Amina Daikh, Farid Nasirli, Nazime Mercan Doğan, Şevki Arslan, Doğukan Mutlu <i>In Vitro Inhibition of Human Breast Cancer Adenocarcinoma Cell by Propolis via Induction of Intrinsic Pathway of Apoptosis</i>
OP-55	<u>Sevgi Gezici*</u> , Nazim Sekeroglu <i>Pharmacology and Molecular based Bioinformatics Analysis on Carvacrol</i>
OP-56	<u>Hakan Çetinkaya*</u> <i>The Effect of Harvest Time on Squalene Content in Two Olive Cultivars' Oils</i>
16.00 – 16.15	COFFEE BREAK

SALON B / SESSION – VI	
CHAIRS: &	
16.15 – 17.15	ORAL PRESENTATIONS
OP-57	Selin Ozhan, Ayse Saygun, Nese Sahin Yesilcubuk* <i>Antimicrobial Effects of Pea Protein Based Edible Films with the Incorporation of Thyme, Eucalyptus, Lemon and Niaouli Oils</i>
OP-58	Merve Aydin*, Ali Ozturk, Tugce Duran, Ummuhan Ozdemir Ozmen, Esra Sumlu <i>Effect of New Sulfonyl Hydrazone Compounds Against Candida Biofilms</i>
OP-59	Cigdem Kahraman*, Kubra Sener, Ekrem Murat Gonulalan <i>Correlation Between Cytotoxic Activities and Metabolomic Profiles of Selected Lamiaceae Species</i>
OP-60	Safiye Özer*, Emine Bayram Determination of Some Morphological, Physiological and Quality Properties of Bay Laurel (<i>Laurus nobilis</i> L.) Populations
OP-61	Nazim Sekeroglu, Ilknur Ucan Keceyapan*, Sevgi Gezici <i>LC-MS/MS Profiling and Biological Activities of the flowers of Kilis Yağlık and Gemlik Olive Cultivars</i>
OP-62	Nazim Sekeroglu*, Sevgi Gezici <i>A Novel Herbal Coffee: Olive Stone Coffee</i>
17.15 – 18.15	POSTER SESSION (IST, TURKEY TIME ZONE) Poster dimensions should be 50x70 The poster session will be held online with the ZOOM application
DISCUSSION & CLOSING	

MESMAP – 7 POSTER PROGRAM

19 NOVEMBER 2021, FRIDAY
TIME: 17.15 – 18.15 (IST, TURKEY TIME ZONE)
POSTER SESSION

PP – 1	<u>Farida Fernane*</u>, Yasmine Messara, Ghenima Adlani, Dyhia Baik, Katia Bourkache, Saida Ramdani <i>Effect of Several Parameters on the Chemical Composition of Essential Oils and Secondary Metabolites Extracted from Aerial Parts of Three Lamiaceae Species</i>
PP – 2	<u>Benseghier- Hadjaidji Fatiha*</u>, Derridj Arezki <i>Ecology of the Medicinal Phytodiversity in Central Northern Sahara (Region of Ouargla)</i>
PP – 3	<u>Helali Amal*</u>, Benchachou Khadidja, Terbeche Mustapha, Yakoub Sid-Ahmed <i>Knowledge and Acceptance of Algerian Physicians toward Phytotherapy and Herbal Remedies</i>
PP – 4	<u>Helali Amal*</u>, Benchachou Khadidja, Hammadi Meriem Wafaa, Houalef Manel <i>Plant-Derived Natural Compounds and Coronavirus: A Review</i>
PP – 5	<u>Irina Ielciu*</u>, Eموke Pall, Mihaela Niculae, Neli-Kinga Olah, Sanda Andrei, Ilioara Oniga, Daniela Benedec, Daniela Hanganu <i>Biological Activities of a Polyphenolic Enriched Extract of Rosmarinus officinalis L.</i>

PP – 6	<u>Gulsum Yaldiz*</u>, Mahmut Camlica <i>Yield and Essential Oil Composition Diversity of Different Basil Genotypes</i>
PP – 7	<u>Gulsum Yaldiz*</u>, Mahmut Camlica <i>Morphological, Yield and Essential Oil Content of Sage Grown with Different Organic Manure</i>
PP – 8	<u>Mustafa Can*</u>, Halil Ibrahim Ciftci, Belgin Sever, Nilüfer Bayrak, Mahmut Yıldız, Hatice Yıldırım, Hiroshi Tateishi, Masami Otsuka, Mikako Fujita, Amaç Fatih Tuyen <i>Evaluation of Plastoquinone Analogs as Anti-Colorectal and Anti-Breast Cancer Agents</i>
PP – 9	<u>Victoria Buza*</u>, Emöke Páll, Daniela Hanganu, Mihaela Niculae, Maria-Cătălina Matei Lațiu, Ion Vlasiuc, Ștefănuț Laura Cristina <i>Cytotoxicity Evaluation of Inula helenium and Gentiana asclepiadea Ethanolic Extracts on Rat Intestinal Epithelial Cells</i>
PP – 10	<u>Gözde Öztürk, F. Pinar Turkmenoglu*</u> <i>Phenolic Profile and Evaluation of Bioactive Properties of Two Halophytes</i>
PP – 11	<u>Fatma Nur Onal*</u>, Gulay Der, Emrah Kılinc, Sura Baykan Ozturk <i>Phytochemical Compounds and Antioxidant Capacity of Cistus L. Species</i>
PP – 12	<u>Tugce Demiroz Akbulut*</u>, Fadime Aydin Kose, Sura Baykan Ozturk <i>Cytotoxicity Evaluation of Marrubium vulgare L. from Different Populations of Turkey</i>
PP – 13	<u>Fatma Nur Onal, Halil Koyu, Serdar Demir*</u>, Sura Baykan Ozturk <i>Tyrosinase, Acetylcholinesterase and Butyrylcholinesterase Enzyme Inhibitory Activities of Cistus creticus L.</i>

PP – 14	Tugce Demiroz Akbulut, Halil Koyu, <u>Sura Baykan Ozturk*</u> <i>Phenolic Compounds and Enzyme Inhibitory Potentials of Marrubium peregrinum from Turkey</i>
PP – 15	<u>Fadime Eryılmaz Pehlivan*</u> <i>An Ethnobotanical Study of Medicinal Halophytes in Keşan (Turkey)</i>
PP – 16	Esra Elçin-Aytemur, <u>Neşe Şahin-Yeşilçubuk*</u> <i>Effects of wall materials on aromatic profile of spray dried clary sage oil (Salvia sclarea)</i>
PP – 17	<u>Doukani Koula*</u>, Bouhenni Hasna, Bouhenni Rania Chahinez, Benslimane Chaimaa <i>Antioxidant and Antibacterial Activity of Essential Oils and Hydrosols from Salvia officinalis L.</i>
PP – 18	<u>Motunrayo Mayowa Onayo*</u>, Yıldız Özalp, Fogang Voungmo, Dudu Özkum Yavuz <i>Formulation and Evaluation of Herbal Oral Gel with Matricaria recutita</i>
PP – 19	<u>Benjemaa Mariem*</u>, Hafsi Chokri, Falleh Hanen, Serairi Beji Raja, Ksouri Riadh <i>Essential Oils as Food Preservative: Encapsulation, Biological Activities, and Sensory Impact</i>
PP – 20	<u>Hanen Falleh*</u>, Mariem Benjemâa, Riadh Ksouri <i>Cinnamomum zeylanicum and Myrtus communis Essential Oils: Chemical Investigation and Biological Potencies</i>

20 NOVEMBER 2021, SATURDAY

**INTERNATIONAL – AWARDED MAPs R&D
PROJECT MARKET AND FAIR**



Venue: Torbalı [Chamber of Commerce Meeting Halls](#), Torbalı Mh,
Aydın Cd. No:74, 35860, Torbalı, Izmir – TURKEY

Contact: www.mesmap.com/innova
mesmap.innova@gmail.com

MESMAP.1



MESMAP INNOVA

R&D Market – Exhibition

November 20, 2021

Torbalı, İzmir - TURKEY