



Program and List of Posters



50TH
INTERNATIONAL
SYMPOSIUM ON
ESSENTIAL OILS

September 9th – 12th,
Vienna, Austria

Sponsors



Scientific program

Sunday, September 8th

14.00		Registration	Building CA
15.00-18.00	WS	Philip Wenig (Lablicate GmbH, Germany) <i>Analysis of chromatographic fingerprints - Workshop on Openchrom, an open source software for chromatography and mass spectrometry</i>	Building FA Lecture Hall A
18.00-20.00		Welcome Reception	Building CA
19:00-19:45	Concert	Marc Aurel Quartet	Building CA Banquet Hall
20.00-20.45	WL	Honorary Lecture on the occasion of the 50th ISEO Carlo Bicchi (University of Torino, Italy) <i>Essential oils: Are these traditional/national products the “seed” of a multitask future discipline</i>	Building CA Banquet Hall
20.45-21.15		Award of the ISEO Medal of Honor	

Monday, September 9th

8.00-9.00		Registration	Building CA
9.00-9.30		Opening Ceremony	Building CA Banquet Hall
SESSION I 9.30-10.30		Industrial Aspects of Essential Oils I Chairs: Daniel Joulain, Gerhard Buchbauer	Building CA Banquet Hall
9.30-10.10	PL1	Eva Heuberger (Forum Essenzia, Germany) <i>Essential oils: From marketing to psychopharmacology</i>	
10.10-10.30	OP1	Antonello Paparella (University of Teramo, Italy) <i>Essential oils application in food environments: a potential weapon to fight microbial adhesion</i>	
10:30-10.55		Coffee break	
SESSION II 10.55-12.50		Industrial Aspects of Essential Oils II Chairs: Alain Chaintreau, Patrizia Rubiolo	Building CA Banquet Hall
10.55-11.40	PL2	Michel Meneuvrier (Société Anonyme des Plantes Aromatiques du Diois (SAPAD) – Robertet, France) <i>The industrial production of essential oils: From theory to reality</i>	
11.40-12.10	IS1	Alastair Hitchen, Wlodek Brud (IFEAT, United Kingdom) <i>Industrial uses versus scientific research on essential oils</i>	

12.10-12.30	OP2	Daniel Joulain (SCBZ Conseil, France) <i>The sesquiterpene hydrocarbons of patchouli and their contribution to the odour of the essential oil</i>	
12.30-12.50	OP3	Stephen Johnson (The Aromatic Plant Research Center, USA) <i>Chemistry and industry implications of Boswellia occulta, a new species of frankincense from Somaliland</i>	
12.50-14.15		<i>Lunch</i>	Building DA Canteen (Mensa)
SESSION III 14.15-16.30		Essential Oil Activity Chairs: Ana Cristina Figueiredo, Agnieszka Ludwiczuk	Building CA Banquet Hall
14.15-15.00	PL3	Sandy Van Vuuren (University of the Witwatersrand, South Africa) <i>Antimicrobial activities of essential oils: Lessons from the past and recommendations for the future</i>	
15.00-15.30	IS2	Nurhayat Tabanca (United States Department of Agriculture, Agricultural Research Service, Subtropical Horticulture Research Station (USDA-ARS-SHRS), USA) <i>Tea tree essential oil: A source of potential new attractants for Mediterranean fruit fly</i>	
15.30-15.50	OP4	ZhiZhi Du (Kunming Institute of Botany, China) <i>Bioassay-guided investigation of Adenosma buchneroides essential oil as mosquito repellent against Aedes albopictus</i>	
15.50-16.10	OP5	Isiaka Ogunwande (Lotto College, Nigeria) <i>Chemical compositions and larvicidal activity of essential oil from the leaf and fruits of Manglietia dandyi (Gagnep.) Dandy growing in Vietnam</i>	
16.10-16.30	OP6	Adam Feyaerts (Katholieke Universiteit Leuven, Belgium) <i>Essential oils: A largely unexplored source of potentially novel medicines</i>	
16.30-18.00		POSTER SESSION I (odd numbers) & Coffee break	Building CA Banquet Hall- Extension

Tuesday, September 10th

SESSION IV 8.45-10.30		Essential Oil Chemistry Chairs: Györgyi Horvath, Nicolas Baldovini	Building CA Banquet Hall
8:45-9.30	PL4	Niko Radulović (University of Niš, Serbia) <i>Essential oils are a gold mine for an organic/medical chemist</i>	
9.30-9.50	OP7	Daniel Strub (Wrocław University of Science and Technology, Poland) <i>Combinatorial synthesis of fragrant volatiles from natural raw materials - a sustainable approach towards discovery of new odorants</i>	
9.50-10.10	OP8	Yoshinori Asakawa (Tokushima Bunri University, Japan) <i>Volatile components of several South American liverworts and their biological activity</i>	

10.10-10.30	OP9	Nicolas Lebouvier (University of New Caledonia, New Caledonia) <i>Chemosystematic significance of essential oils obtained from characteristic taxonomic groups of the New Caledonian flora</i>	
10.30-10.55		<i>Coffee break</i>	
SESSION V 10.55-12.40		Analytical Aspects of Essential Oils Chairs: Niko Radulović, Carlo Bicchi	Building CA Banquet Hall
10.55-11.40	PL5	Ivana Bonaccorsi (University of Messina, Italy) <i>Carbon Isotope ratios of volatiles as a powerful parameter for genuineness assessment of essential oils</i>	
11.40-12.00	OP10	Agnieszka Ludwiczuk (Medical University of Lublin, Poland) <i>Essential oils of Marchantia polymorpha L. from Serbian populations</i>	
12.00-12.20	OP11	Elena Stashenko (Universidad Industrial de Santander, Columbia) <i>Comprehensive study of volatile secondary metabolites from Verbenaceae plants grown in Colombia</i>	
12.20-12.40	YS1	Leila Gimenes (Agronomic Institute of Campinas, Brasilia) <i>Chemical composition of essential oils from Lippia alba genotypes analyzed by GC-MS and Flow-Modulated Comprehensive Two Dimensional Gas Chromatography</i>	
12.40-14.05		<i>Lunch</i>	Building DA Canteen (Mensa)
SESSION VI 14.05-16.30		Young Scientists: The Future of Essential Oil Research Chairs: Humberto Bizzo, Daniel Strub	Building CA Banquet Hall
14.05-14.25	YS2	Francesca Capetti (University of Turin, Italy) <i>In vitro permeation kinetics, skin layers distribution and emission in the surrounding environment of biologically active Melaleuca alternifolia (Tea Tree) essential oil components from topic formulations</i>	
14.25-14.45	YS3	Ebadi Mohammad (Tarbiat Modares University, Iran) <i>Packaging methods and storage duration affect essential oil content and composition of hyssop (Hyssopus officinalis L.)</i>	
14.45-15.05	YS4	Stefanie De Rapper (University of the Witwatersrand, South Africa) <i>Therapeutic blending: The use of essential oils in combination against pathogens of the respiratory tract</i>	
15.05-15.25	YS5	Dilek Türkmen (Hatay Mustafa Kemal University, Turkey) <i>Volatile compounds of some raw pistachio nut varieties with solid phase micro-extraction technique</i>	
15.25-15.45	YS6	Francesca Maggio (University of Teramo, Italy) <i>Sub-lethal concentrations of Origanum vulgare essential oil exert inhibitory activity on Listeria monocytogenes strains in different environmental conditions</i>	

15.45-16.30	PD	Alain Chaintreau, Daniel Joulain, Carlo Bicchi (FFJ) <i>The survival of essential oils calls for a revolution!</i>	
16.30-18.00		POSTER SESSION II (even numbers) & Coffee break	Building CA Banquet Hall- Extension
20.00		<i>Symposium Dinner at „Weingut Klager“</i> http://www.weingutklager.at/weingutklager/home.html	„Weingut Klager“ Stammersdorferstr. 14, 1210 Vienna

Wednesday, September 11th

SESSION VII 8.45-10.10		Essential Oils in Animal Health and Welfare Chairs: Chlodwig Franz, Hüsnu Can Baser	Building CA Banquet Hall
8.45-9.30	PL6	Johanna Fink-Gremmels (University of Utrecht, The Netherlands) <i>Essential oils in veterinary medicine and animal nutrition</i>	
9.30-9.50	OP12	Klaus Teichman (BIOMIN Research Center, Austria) <i>Impact of a phytogetic feed additive on inflammation markers and microbiota composition of weaned piglets as assessed by NGS</i>	
9.50-10.10	YS7	Carmen Sinche (University of São Paulo, Brasil) <i>Effect of a microencapsulated citrus essential oil on in vitro fermentation kinetics of pig gut microbiota</i>	
10.10-10.35		<i>Coffee break</i>	
SESSION VIII 10.35-12.40		Essential Oils in Plant Biology Chairs: Yoshinori Asakawa, Eva Zámboriné-Németh	Building CA Banquet Hall
10.35-11.20	PL7	Massimo Maffei (University of Torino, Italy) <i>Plant volatiles: The language of plants</i>	
11.20-11.40	OP13	Marie-Laure Fauconnier (Laboratory of Chemistry of Natural Molecules, Belgium) <i>Molecular biophysics: a novel integrative approach to investigate the bioherbicide mode of action of essential oils</i>	
11.40-12.10		<i>Closing Ceremony</i>	Building CA Banquet Hall
12.15		<i>Excursion</i> Departure: 12.30	Main Entrance in front of CA-Building

Key of Abbreviations:

WS	workshop
WL	welcome lecture
PL	plenary lecture
IS	invited speaker
OP	oral presentation
YS	young scientist presentation
PD	panel discussion
PP	poster presentation
YS PP	young scientist poster presentation

Poster Presentations

7 odd numbers = Session I

8 even numbers = Session II

YS PP01	A rare santolina-type monoterpene ketone acetate found in Georgian <i>Artemisia</i> sp. essential oil	Milica G. Nikolić
YS PP02	A synthetic approach to the identification of (iso)bornyl esters in the essential oil of feverfew (<i>Tanacetum parthenium</i> L.)	Milica Stevanović
YS PP03	Antimicrobiological properties of essential oils obtained from selected <i>Mentha</i> species against <i>Helicobacter pylori</i>	Bartłomiej Piasecki
YS PP04	Authentication of the naturalness of wintergreen (<i>Gaultheria</i> genus) essential oils by gas chromatography, isotope ratio mass spectrometry and radiocarbon assessment	Aurélien Cuchet
YS PP05	Common conifer tree's essential oils in Mongolia: chemical profile, antioxidant and antimicrobial properties	Javzmaa Namshir
YS PP06	A comparative study on the essential oil composition of <i>Clinopodium vulgare</i> L. and <i>Micromeria dalmatica</i> Benth.	Ina Aneva
YS PP07	Effects of immortelle essential oil on macrophage NO production	Jelena Aksic
YS PP08	Gender-related differences in the xenobiotic metabolism of two <i>Choisya ternata</i> essential-oil constituents, methyl and isopropyl N-methylantranilates	Ana Miltojevic
YS PP09	Hyssop essential oil improves quality of cooked pork sausages	Maja Ivic
YS PP10	Identification of new 3-phenylpropyl esters from the essential oil of <i>Pleurospermum austriacum</i> (L.) Hoffm. (Apiaceae) through the preparation of a synthetic library of isomeric hexanoates	Marko Mladenovic
YS PP11	Lemon balm (<i>Melissa officinalis</i> L., Lamiaceae) essential oil prevents spontaneous and induced rat ileum contractions	Nikola Stojanovic
YS PP12	Odor-active compounds of yuzu (<i>Citrus junos</i> Sieb. ex Tanaka) peel oil	Ayaka Uehara
YS PP13	Phytotoxic effect of different essential oils on <i>Eragrostis plana</i> germination	Ângela Pawlowski
YS PP14	Potent odorants contributing to the characteristic flavor of <i>Panax Notoginseng</i> Flower Buds	Hongxia Zhang
YS PP15	Structure elucidation of new monoterpene dimers from the essential oil of French marigold (<i>Tagetes patula</i> L.)	Milan Nešić
YS PP16	Study of patchouli essential oil chemical composition as a function of part of the plant, distillation time and enzymatic treatment	Cristian Andrés Oliveros
YS PP17	Trans-methyl cinnamate: Marker compound of stressed <i>Conocephalum conicum</i>	Nurunajah Ab. Ghani
YS PP18	Use of essential oils and natural extracts of plants that grow in Santander as antioxidants in a cosmetic product.	Juan Henríquez
PP19	A comparative study of the chemical and aroma profile of <i>Rosa damascena</i> essential oil from Saudi Arabia and Bulgaria: An effect of the technology and geographic origin	Daniela Nedeltcheva-Antonova
PP20	Amazon & Madagascar: Two tropical regions for essential oils production and opportunities for species diversification	Jennifer Bufalo
PP21	Analysis of essential oils residues in egg albumen and yolk	Federico Cozzi
PP22	Antibacterial activity and essential oil composition of <i>Calendula arvensis</i>	Hüseyin Servi
PP23	Antibacterial activity of EU approved plant-bearing essential oils in vapour phase against respiratory pathogens using broth microdilution volatilization method.	Julien Antih
PP24	Antibacterial, antioxidant activity and volatile composition of essential oils extracted from crude organic propolis and its residues from propolis extract production	Eduardo M. Da Gloria
PP25	Antibiofilm effect of pickering nano-emulsion of <i>Zataria multiflora</i> Boiss essential oil against <i>Streptococcus pneumoniae</i>	Viktoria Lilla Balázs

PP26	Antimicrobial activity of essential oil-bearing plants against microorganisms causing spoilage of agricultural products in vapor phase	Ingrid Faltová
PP27	Antimicrobial activity of <i>Lavandula stoechas</i> subsp. <i>luisieri</i> essential oils against strains of fungi isolated from strawberry tree	Joana Domingues
PP28	Antimicrobial activity of selected essential oils against airborne microbes	Sabine Krist
PP29	Antimicrobial effect of edible coating incorporated with microemulsion containing essential oil of basil (<i>Ocimum basilicum</i> L.) against <i>Listeria monocytogenes</i> in ham	Arie Fitzgerald Blank
PP30	Antioxidant and cytotoxic activities from essential oils of <i>Ocotea indecora</i> (Schott) Mez. (Lauraceae)	Paulo R. H. Moreno
PP31	Antiradical and enzyme inhibitory potential of essential oil obtained from aerial part of <i>Centaurea pterocaula</i> Trautv. and its GC-MS profile	Ali Sen
PP32	Aroma characteristics of <i>Alpinia zerumbet</i> grown in the Ryukyu Islands using DH-TD-GC-MS	Eisuke Kuraya
PP33	Aroma compounds and their distribution in leaves and flowers of Macedonian <i>Hypericum perforatum</i>	Marija Karapandzova
PP34	Atypical chemical profiles of Lithuanian mugwort (<i>Artemisia vulgaris</i> L.) essential oils	Asta Judzentiene
PP35	Biological activities of commercial <i>Cistus ladanifer</i> essential oil from Portugal	David Franco Frazão
PP36	Brazil and essential oils: panorama	Renata Silva
PP37	Chemical and biological profiles of essential oil from different parts of <i>Myrtus communis</i> L. subsp. <i>communis</i> from Turkey	Ali Sen
PP38	Chemical characterization of essential oils of <i>Eplingiella fruticosa</i> accessions	Maria de Fátima ArrigoniBlank
PP39	Chemical characterization of the essential oil of dried <i>Hyptis suaveolens</i>	Juliana De Fátima Sales
PP40	Chemical composition and antibacterial activity of <i>Daucus carota</i> (wild carrot) essential oil	Esra Yildirim Servi
PP41	Chemical composition and antioxidant activity of <i>Mentha x piperita</i> cultivars	Mateusz Stelmasiewicz
PP42	Chemical composition and antioxidant activity of <i>Cedrela odorata</i> L. from the north of Guatemala	Juan Francisco Pérez-Sabino
PP43	Chemical composition of essential oil isolated from Macedonian St. John Wort (<i>Hypericum perforatum</i> L.)	Arijeta Shabani
PP44	Chemical composition of the leaves essential oil of three black pepper cultivars from Amazon (Brazil)	Alessandra Ramos
PP45	Chemical composition, antioxidative and cytotoxic activities of essential oil of <i>Eugenia patrisii</i> Vahl (Myrtaceae) from Brazilian Amazon	Joyce Kelly da Silva
PP46	Chemical compositions, larvicidal and antimicrobial activity of essential oil from <i>Amomum rubidum</i> Lamxay & N. S. Lý (Zingiberaceae) growing in Vietnam	Isiaka Ogunwande
PP47	Chemical profile of essential oils from indigenous plant species of Leyte, Philippines	Genesis Albarico
PP48	Chemical constituents, anti-inflammatory and anti-nociceptive activities of essential oils from Nigeria	Isiaka Ogunwande
PP49	Chemodiversity of essential oils from wild populations: challenges and opportunities	Juan Antonio Llorens-Molina
PP50	Chemometric exploration of <i>Rhododendron groenlandicum</i> reveals complex patterns	Alexis St-Gelais

PP51	<i>Clinopodium vulgare</i> L. essential oil – chemical composition, antioxidant and anticholinesterase potential	Olivera Politeo
PP52	Comparative evaluation of selected essential oils in liquid and vapor phase against <i>Streptococcus mutans</i>	Kamilla Ács
PP53	Comparison of aroma components by steam distillation for each part of <i>Pinus luchuensis</i> Mayr	Ayumi Takemoto
PP54	Composition and antifungal and antioxidant evaluation of two chemotype-oils from <i>Cinnamomum verum</i> J. Presl occurring in Maranhão, Brazil	Jose Guilherme Maia
PP55	Composition of <i>Calocedrus decurrens</i> essential oil and hydrolate	Karolina Wawrzynczak
PP56	Composition of clary sage (<i>Salvia sclarea</i> L.) hydrodistillation products	Agnieszka Krajewska
PP57	Composition of the essential oil from the needles and twigs of organic Swiss stone pine (<i>Pinus cembra</i> L.) from Tyrol	Alin Bosilcov
PP58	Determination of antibacterial activity of fennel (<i>Foeniculum vulgare</i>) aerial parts essential oil	Esra Yildirim Servi
PP59	Compositional analysis of <i>Boswellia dalzielii</i> frankincense oleoresin essential oils from Nigeria and Burkina Faso	Stephen Johnson
PP60	Creation of nature – identical and non allergen bergamot oil bergaptene free	Ceyhun Arman
PP61	Cytotoxic effect of <i>Rosmarinus officinalis</i> essential oil on <i>Lactuca sativa</i> root meristem	Ângela Pawlowski
PP62	Creation of nature – identical and non allergen lemon oil distilled	Zeynep Derya Mazici
PP63	Composition of the essential oil o accesses of <i>Lippia alba</i> in Uberlândia-MG, Brazil	José Magno Luz
PP64	Determination of aroma characteristics of <i>Alpinia formosana</i> via DH-TD-GC-MS	Eisuke Kuraya
PP65	Diverse phytotoxic effect of commercial <i>Origanum vulgare</i> essential oil against monocot and dicot model plant species	Daniela Grulova
PP66	Effect of edaphic and climatic factors on <i>Thymus pulegioides</i> α -terpinyl acetate chemotype	Vaida Vaiciulyte
PP67	Effect of harvest time on the drug yield and quality of Moldavian dragonhead (<i>Dracocephalum moldavica</i> L.)	Beáta Gosztola
PP68	Effect of planting densities, pruning techniques and shelf life on <i>Malus domestica</i> (Maçã de Alcobaça) headspace volatiles	Ana Cristina Figueiredo
PP69	Effect of <i>trans</i> -cinnamaldehyde, carvacrol and carvones on the efflux of K ⁺ ions from <i>Staphylococcus aureus</i>	Maria das Graças Cardoso
PP70	Effects of arbuscular mycorrhizal fungi and phosphorus levels on the essential oil chemical composition of <i>Piper divaricatum</i> (Piperaceae)	Alessandra Ramos
PP71	Effects of <i>Lavandula angustifolia</i> essential oil and <i>Mentha piperita</i> essential oil on body fat and autonomic nerve system	Chia-Lin Lo
PP72	Effects of thyme essential oils on LPS-induced inflammatory cytokines in BV-2 microglial cells	Györgyi Horváth
PP73	Essential oil composition of <i>Ballota nigra</i>	Selin Erdem
PP74	Essential oil composition obtained from <i>Cannabis sativa</i> growing wild in the urban area of Vienna, Austria	Remigius Chizzola
PP75	Essential oil composition of <i>Galium verum</i>	Hüseyin Servi
PP76	Essential oil composition of <i>Hypericum adenotrichum</i> Spach., an endemic Turkish species	Nagehan Saltan
PP77	Essential oil composition of <i>Juniperus oxycedrus</i> in Bulgaria	Valtcho Zheljzakov
PP78	Essential oil composition of <i>Prasium majus</i> L. from Northern Cyprus	K. Hüsnü Can Baser
PP79	Essential oil contents and components of <i>Artemisia annua</i> L.	Musa Turkmen

PP80	Essential oil of <i>Citrus sinensis</i> (L.) Osbeck: chemical characterization and antifungal activity	Adelir Saczk
PP81	Essential oil of <i>Lavandula pedunculata</i> from Portugal: chemical profile and biological activities	Fernanda Delgado
PP82	Essential oil volatile profile and antibacterial activity of <i>Salvia x accidentalis</i> , a hybrid described in the region of Murcia (Spain)	Cristina Martinez-Conesa
PP83	Essential oil yield and composition of <i>Satureja montana</i> subsp. <i>kitaibelii</i> and <i>S. coerulea</i> (Lamiaceae) from Bulgaria	Ivanka Semerdjieva
PP84	Essential oil, aqueous and ethanol extracts of <i>Mangifera indica</i> (L.) bark: Potentiality as phytomedicine	Chantal Menut
PP85	Essential oils and biological activities of Malaysian piper species (Piperaceae)	Wan Mohd Nuzul Hakimi, Wan Salleh
PP86	Essential oils and hypoglycemic activity: bio-guided fractionation approach looking for plant bioactive secondary metabolites with alpha-amylase inhibition capacity	Barbara Sgorbini
PP87	Essential-oil composition of <i>Cnidium silaifolium</i> (Jacq.) Simonk. from Serbia	Miljana Dordevic
PP88	Evaluation of antimicrobial activity of oximes derived from natural volatile compounds	Alicja Surowiak
PP89	Evaluation of essential oils from piper species - potential use in the control of phytopathogen <i>botrytis cinerea</i> of strawberry	Beatriz Maia
PP90	Evaluation of hemolytic activity of methyl and isopropyl N-methylantranilates	Pavle Randjelovic
PP91	Evaluation of lavender (<i>L. angustifolia</i> Mill.) and lavandin (<i>L. x intermedia</i> Emeric.) cultivars in Hungary	Zsuzsanna Pluhár
PP92	Exploiting ionic liquids as GC stationary phases in the essential oil field, the uncommon selectivity of trihexyl(tetradecyl)phosphonium chloride	Cecilia Cagliero
PP93	Extraction of phytochemicals from feed mixed with essential oil based feed additives	Georg Weingart
PP94	Histochemical evaluation of <i>Campomanesia rufa</i> leaves, chemical characterization of their essential oil	Moacir Pasqual
PP95	Hypericum species in Bulgaria as sources of valuable essential oils	Ivanka Semerdjieva
PP96	Identification of volatile compounds in seeds, flowers and leaves collected from <i>Elaeagnus angustifolia</i> tree	Dilek Türkmen
PP97	Implementation of an ultrasound-assisted extraction/dispersible liquid-liquid microextraction method to study diurnal changes in volatile composition of <i>Mentha longifolia</i> (L.) L.	Juan Antonio Llorens-Molina
PP98	Improved characterisation of fragranced products by GCxGC-TOF MS with Tandem Ionisation	Laura McGregor
PP99	Influence of the essential oil from <i>Lippia origanoides</i> on ergosterol synthesis	Maria das Graças Cardoso
PP100	Injection of essential oils: new tool for the management of sap-sucking pest in apple and pear orchards	Pierre-Yves Werrie
PP101	Integral use of <i>Lippia origanoides</i> grown in Colombia	Diego Camilo Durán García
PP102	Interpopulation diversity of essential oils from arnica (<i>Lychnophora pinaster</i> Mart.)	Marcia Marques
PP103	Intraspecific chemical variability of <i>Salvia lavandulifolia</i> Vahl. (Spanish sage) - The need for a revision of Norma UNE 84310.	María J. Jordán
PP104	Is <i>Santalum yasi</i> a promising source of sandalwood essential oil?	Daniel Joulain
PP105	Modelling of fractional batch distillation of <i>Lippia origanoides</i> essential oils	Elena Stashenko
PP106	New 3-methoxycumyl esters from the essential oil of <i>Pulicaria dysenterica</i> (L.) Bernh.	Marko Mladenovic
PP107	New natural products from <i>Asphodelus albus</i> Mill. essential oil	Milan Dekic

PP108	OILPROTECT – Use of essential oil as insecticides for grain storage	Henri Martin
PP109	New volatile free fatty acids from Balkan immortelle essential oil	Jelena Aksic
PP110	Ovicidal activity of essential oils and their components on phytoparasitic nematodes	Trifone D'Addabbo
PP111	Phytochemical analysis of the <i>Anthriscus caucalis</i> M. Bieb volatiles	Vladan Tomic
PP112	Phytochemical profiles and antioxidant properties of hydrosols, obtained from Bulgarian <i>Rosa alba</i> L. and <i>Rosa damascena</i> Mill.	Ana Dobрева
PP113	Variability in the composition of essential oils from fresh aerial parts of <i>Anthemis arvensis</i> L. collected in the beginning and the end of the flowering phase	Milica Nikolić
PP114	Potential anti-quorum sensing activity of selected essential oils against <i>Chromobacterium violaceum</i>	Maxleene Sandasi
PP115	Relationships between amount of essential oil and anatomical characters of leaves in <i>Thymus pulegioides</i>	Kristina Loziene
PP116	Rose and lavender essential oils chiral components as important markers for quality and authenticity assessment	Daniela Nedeltcheva-Antonova
PP117	Scent from <i>Cattleya wallisii</i> , an Orchid from the Amazon	Humberto Bizzo
PP118	Seasonal variation of essential oil composition in <i>Thymus caespititius</i> , carvacrol chemotype	Ana Cristina Figueiredo
PP119	Soil influence on the chemical composition of the <i>Geranium macrorrhizum</i> L. rhizome essential oil	Vladan Tomic
PP120	Spicaria divaricata as a novel source of sesquiterpenes	Paulina Lyczko
PP121	Structure-odor relationships of pinene derivatives	Toshio Hasegawa
PP122	The effect of aroma compounds on airborne microbes for the enhancement of the comfort of vehicle interior	Kei Sato
PP123	The effect of thyme (<i>Thymus vulgaris</i> L.) essential oil in endotoxin-induced acute airway inflammation model of knock-out mice	Eszter Csikós
PP124	The effect of aroma compounds on the discomfort while icing	Miki Takimoto
PP125	The essential oil composition of <i>Croton gratissimus</i> Burch	Guy Kamatou
PP126	The impact of plant volatiles on bacterial quorum sensing	Alvaro Viljoen
PP127	The impact of soil herbicides on the yield and chemical composition of rose oil	Ana Dobрева
PP128	The influence of various dehydrating techniques on quality of yarrow (<i>Achillea millefolium</i> L.) essential oils obtained from flowers	Jacek Lyczko
PP129	The volatile components emitted from <i>Marchantia paleacea</i> subsp. <i>diptera</i>	Kazutoshi Sakurai
PP130	Three new sesquiterpene alcohols from the essential oil of the liverwort <i>Conocephalum conicum</i> (L.) Dum.	Sonja Filipovic
PP131	The volatile components of <i>Lindera umbellata</i> , "Kuromoji" oil, and its application for the touch care treatment	Kazutoshi Sakurai
PP132	Thymol, a monoterpenoid phenol, moderately ameliorates high-dose L-arginine-induced rat gastric damage	Ivan Ilic
PP133	Three seemingly compositionally identical pine essential oils (<i>Pinus nigra</i> , <i>P. mugo</i> and <i>P. sylvestris</i>) possess differing cytotoxic and antimicrobial potentials	Nikola Stojanovic
PP134	Thymol, carvacrol, and cuminal are ligand-specific antagonists of human aryl hydrocarbon receptor (AHR)	Iveta Bartonkova
PP135	Use of essential oils from invasive species as vector control agents in Vietnam	William Setzer
PP136	<i>Pinus cembra</i> essential oils from three sites in the Austrian Alps	Remigius Chizzola
PP137	Variability of thujone content and accumulation of essential oil due to plant development and organs of sage (<i>Salvia officinalis</i> L.)	Huong Nguyen Thi
PP138	Variation of essential oil composition within the <i>Pinus cembra</i> tree and between trees from a population in Salzburg	Remigius Chizzola

PP139	Volatile compounds and phenolic compounds and phenylalanine ammonium liase activity in <i>Peperomia pellucida</i> (Piperaceae) after rhizobacteria inoculation	Joyce Kelly da Silva
PP140	Volatile compositions and antifungal activities of native American medicinal plants; focus on the Asteraceae	Sims Lawson
PP141	Volatile compounds of wild-growing <i>Rosa canina</i> fruit	Ani Radonic
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