

## POSTER PRESENTATIONS

### Poster sessions:

*Session I:* Odd numbers (like PP1, PP3, etc.) – Friday, September 14

*Session II:* Even numbers (like PP2, PP4, etc.) – Saturday, September 15

\*Registration Fellowships founded by IFEAT and ISEO2018 Organizing Committee

<b>PP1</b>	<i>Tadaaki Satou</i> (Japan)	<b>The influence of two Lamiaceae essential oils on dementia-related symptoms in animal models</b>
<b>PP2*</b>	<i>Margita Utcás</i> (Hungary)	<b>Cannabis terpene profiling in therapeutic products by means of gas chromatography coupled with mass spectrometry</b>
<b>PP3*</b>	<i>Filomena Silva</i> (Spain)	<b>The use of essential oils for antimicrobial food packaging</b>
<b>PP4</b>	<i>Eleni Stavradi</i> (Greece)	<b>Chemical analyses of truffle flavored (<i>Tuber</i> spp.) olive oils on the Greek market with HS-SPME</b>
<b>PP5</b>	<i>Ana Dobрева</i> (Bulgaria)	<b>On the subcritical extraction of <i>Rosa damascena</i> Mill.</b>
<b>PP6</b>	<i>Ana Dobрева</i> (Bulgaria)	<b>The impact of soil herbicides on the yield and quality of lavender (<i>Lavandula angustifolia</i> Mill.) essential oil</b>
<b>PP7</b>	<i>Alexandra Machado</i> (Portugal)	<b>Volatiles characterization of different commercial honey types from the Azores (Portugal)</b>
<b>PP8</b>	<i>Jelena Aksić</i> (Serbia)	<b>New neryl esters from <i>Helichrysum italicum</i> essential oil</b>
<b>PP9</b>	<i>Jelena Aksić</i> (Serbia)	<b>Antimicrobial and anti-inflammatory potential of different immortelle essential-oil chemotypes</b>
<b>PP10</b>	<i>Suzan Kelly Bertolucci</i> (Brazil)	<b>Effect of macro- and micro-element-deficiency on growth and essential-oil composition of <i>Mentha arvensis</i> L. cultivated in solution</b>
<b>PP11</b>	<i>Paulo R. Moreno</i> (Brazil)	<b>Chemical composition and antimicrobial properties of the essential oils of two <i>Guadua</i> Kunth species (Poaceae-Bambusoideae)</b>
<b>PP12</b>	<i>Eisuke Kuraya</i> (Japan)	<b>Chemical investigation of the volatile compounds of <i>Alpinia zerumbet</i> leaves using DH-TD-GC/MS</b>
<b>PP13</b>	<i>Marcia Ortiz M. Marques</i> (Brazil)	<b>Composition and antimicrobial activity of the essential oils from a wide range of species from the Atlantic Rainforest in Brazil</b>
<b>PP14</b>	<i>Valtcho Zheljazkov</i> (USA)	<b>Carotenoid-related volatile compounds of tobacco (<i>N. tabacum</i> L.) essential oils</b>
<b>PP15</b>	<i>Isiaka Ogunwande</i> (Nigeria)	<b>Chemical constituents of essential oils from some Vietnamese plants</b>
<b>PP16</b>	<i>Noha Mahmud Ayoub</i> (Turkey)	<b>Essential oil composition of <i>Salvia sclarea</i> L. aerial parts and its AChE inhibitory properties</b>

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| <b>PP17</b>  | <i>José Eduardo Brasil</i><br><i>P. Pinto</i><br>(Brazil) | <b>Influence of light quality on <i>in vitro</i> growth and essential-oil composition of <i>Chenopodium ambrosioides</i> L.</b>   |
| <b>PP18</b>  | <i>Marina Dimitrijević</i><br>(Serbia)                    | <b>Anticandidal activity of <i>Inula helenium</i> root essential oil: synergistic potential, anti-virulence efficacy, and mechanism of action</b>                                 |
| <b>PP19</b>  | <i>Eisuke Kuraya</i><br>(Japan)                           | <b>Improving the efficiency of essential-oil extraction from <i>Abies sachalinensis</i> with an underwater shockwave pretreatment</b>   |
| <b>PP20</b>  | <i>Barbara Horváth</i><br>(Hungary)                       | <b>Preparation and <i>in vitro</i> diffusion study of essential oil Pickering emulsions stabilized by silica nanoparticles for <i>Streptococcus mutans</i> biofilm inhibition</b> |
| <b>PP21*</b> | <i>Asit Ray</i><br>(India)                                | <b>Quality evaluation of <i>Hedychium coronarium</i> essential oils by GC-MS fingerprinting associated with chemometrics</b>  |
| <b>PP22</b>  | <i>Éva Zámboriné-Németh</i><br>(Hungary)                  | <b>Small changes in the distillation method result in variable quality of yarrow (<i>Achillea collina</i>) essential oil</b>  |
| <b>PP23</b>  | <i>Remigius Chizzola</i><br>(Austria)                     | <b>Volatiles from <i>Smyrniun perfoliatum</i> (Apiaceae) grown in Austria</b>   |
| <b>PP24</b>  | <i>Elif Güzel</i><br>(Turkey)                             | <b>Essential-oil composition of <i>Isatis floribunda</i> Boiss. ex Bornm. aerial parts from Turkey</b>  |
| <b>PP25</b>  | <i>Mercedes Pérez-Recalde</i><br>(Argentina)              | <b>Lavandin essential oil combined with the biopolymer PHBV, poly(3-hydroxybutyrate-co-3-hydroxyvalerate), for wound treatment</b>  |
| <b>PP26</b>  | <i>Ivan Ilić</i><br>(Serbia)                              | <b>Oregano (<i>Origanum vulgare</i>) essential oil prevents L-arginine-induced rat ileum villi damage</b>   |
| <b>PP27</b>  | <i>Dušan Sokolović</i><br>(Serbia)                        | <b>Effects of a combined thymol and carvacrol application on rat kidney damage parameters after L-arginine application</b>  |
| <b>PP28</b>  | <i>Olivera Politeo</i><br>(Croatia)                       | <b>Medicinal plant <i>Mentha pulegium</i> L.–chemical profile and biological activity of its essential oil</b>  |
| <b>PP29</b>  | <i>Petras Rimantas Venskutonis</i><br>(Lithuania)         | <b>Essential oils from five <i>Nepeta</i> spp. cultivated in Lithuania and toxicological evaluation of their main components</b>  |
| <b>PP30</b>  | <i>Branimir Pavlič</i><br>(Serbia)                        | <b>Hydrodistillation versus microwave-assisted hydrodistillation of sage herbal dust: kinetics, chemical profile and bioactivity</b>  |
| <b>PP31</b>  | <i>Patrizia Rubiolo</i><br>(Italy)                        | <b>High efficiency microfabricated planar columns for analysis of real-world samples of essential oils and plant volatile fraction</b>  |
| <b>PP32</b>  | <i>Patrizia Rubiolo</i><br>(Italy)                        | <b>From medicinal and aromatic plants to herbal teas: quantitative determination of volatile bioactive secondary metabolites</b>  |
| <b>PP33</b>  | <i>Patrizia Rubiolo</i><br>(Italy)                        | <b>Adulterated essential oils: when the chemical composition compliance with the European Pharmacopoeia misleads</b>  |



## 49<sup>th</sup> International Symposium on Essential Oils (ISEO 2018)

13<sup>th</sup> to 16<sup>th</sup> September 2018, Niš, Serbia

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- PP34** *David Lee Nelson* (Brazil) **Effect of the essential oil from *Cantinoa carpinifolia* (Benth.) Harley & J.F.B.Pastore on efflux of potassium ions from *Escherichia coli* and *Staphylococcus aureus* strains**
- PP35** *David Lee Nelson* (Brazil) **Chelating effect of carvacrol and the oregano essential oil**
- PP36** *Cícero Deschamps* (Brazil) **Cones and essential-oil production in hop with different nitrogen levels in the south of Brazil**
- PP37** *Juergen Wanner* (Germany) **Dermal application of oregano essential oil against recurrent urinary tract infections: an *in vivo* human pilot study**
- PP38** *Jelena Arsenijević* (Serbia) **Comparison of hydrodistillation (HD), microwave-assisted hydrodistillation (MHD) and supercritical fluid extraction (SFE) for the isolation of volatiles from chamomile flower**
- PP39** *Daniel Jan Strub* (Poland) **Microbial growth inhibition by oximes derived from natural volatile carbonyl compounds**
- PP40** *Jelena Radović* (Serbia) **The analyses of commercial tea tree oils**
- PP41** *Jelena Radović* (Serbia) **The composition of the essential oils of *Acorus calamus* L. rhizomes from different habitats**
- PP42** *Ana Miltojević* (Serbia) **Metabolism of essential-oil constituents: Determination of methyl and isopropyl *N*-methylantranilates and their metabolites in rat organs**
- PP43** *Eleni Stavradi* (Greece) **Volatiles from seven truffle species (*Tuber* spp.) wild-growing in Greece**
- PP44** *Mariá José Jordán* (Spain) **The composition and antimicrobial activity of the essential oil of *Salvia officinalis* subsp. *oxyodon* (Webb & Heldr.) Reales, D.Rivera & Obón cultivated in the region of Murcia (Spain)**
- PP45** *Mariá José Jordán* (Spain) **Antimicrobial activity and chemical variability of the essential oil of *Thymus hyemalis* Lange cultivated in the region of Murcia (Spain)**
- PP46** *Sunčica Veljković* (Serbia) **The isovalerate and 2-methylbutanoate of artemisia alcohol–new compounds from *Artemisia annua* L. essential oil**
- PP47** *Toshio Hasegawa* (Japan) **Odor of *ar*-turmerone,  $\alpha$ -curcumene, and limonene derivatives depending on their chirality**
- PP48\*** *Ivana Nemeš* (Serbia) **Essential-oil composition of parsley and celery conventionally and organically grown in Vojvodina**
- PP49** *Humberto R. Bizzo* (Brazil) **Scents from the Brazilian Cerrado: The essential oil from *Siparuna brasiliensis* (Siparunaceae)**
- PP50\*** *Ina Aneva* (Bulgaria) **Composition of the essential oil of the Balkan endemic *Thymus longedentatus* (Degen & Urum.) Ronniger**
- PP51** *Valtcho Zheljazkov* (USA) **Organic vs conventional production of peppermint, lemon balm, and lavender; effect on yields and oil**



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		composition
PP52	<i>Humberto R. Bizzo</i> (Brazil)	Scents from the Brazilian Cerrado: The essential oil from <i>Calea hymenolepis</i> (Asteraceae)
PP53	<i>Sonja Filipović</i> (Serbia)	Brasilane sesquiterpenes, bioactive essential-oil constituents
PP54	<i>Ivanka Semerdjieva</i> (Bulgaria)	Juniper essential-oil composition and bioactivity as a function of species and sex
PP55	<i>Milan Dekić</i> (Serbia)	Analgesic activity of dehydrofukinone, a sesquiterpene ketone from <i>Senecio nemorensis</i> L. (Asteraceae)
PP56	<i>Milan Dekić</i> (Serbia)	New natural products from <i>Clinopodium thymifolium</i> (Scop.) Kuntze (Lamiaceae) essential oil
PP57	<i>Ivanka Semerdjieva</i> (Bulgaria)	Oil yield and composition of <i>Juniperus oxycedrus</i> L. from Bulgaria and Serbia
PP58	<i>Sandra M. Garland</i> (Australia)	The effect of steam distillation time on the yield and composition of the oil from <i>Kunzea ambigua</i>
PP59	<i>Ezter Csikós</i> (Hungary)	The effects of Scots pine ( <i>Pinus sylvestris</i> L.) essential oil in an endotoxin-induced acute airway inflammation mouse model
PP60	<i>Kamilla Ács</i> (Hungary)	Essential-oil component combinations: possibilities against respiratory tract pathogens
PP61	<i>Branimir Pavlič</i> (Serbia)	The effect of coriander essential oil on the oxidative stability of cooked pork sausages
PP62*	<i>Verica Aleksić Sabo</i> (Serbia)	<i>Satureja hortensis</i> L. essential oil causes <i>Acinetobacter baumannii</i> membrane disruption
PP63	<i>Daniela Grul'ová</i> (Slovakia)	Composition and phytotoxic activity of the essential oils of two invasive plant species
PP64	<i>Daniela Grul'ová</i> (Slovakia)	Investigation of the potential influence of soil contamination on the phytotoxic activity of the essential oil from <i>Solidago canadensis</i> L.
PP65	<i>İrem Şengür</i> (Turkey)	Essential-oil composition of <i>Zygophyllum fabago</i> aerial parts from Turkey
PP66	<i>Milica Nikolić</i> (Serbia)	Chemical composition of the essential oil from the aboveground parts of <i>Santolina chamaecyparissus</i> L. from Greece: NMR determination of the exocyclic double bond geometry of the major spiroketal-enol ether polyynic constituent
PP67	<i>Milica Nikolić</i> (Serbia)	Identification and 2D NMR structural elucidation of a C <sub>10</sub> -polyacetylenic ester, a previously unreported constituent of <i>Bellis perennis</i> L. essential oil
PP68	<i>Gabriela Widelska</i> (Poland)	Antioxidant activity of lemongrass essential oil and its constituents
PP69	<i>Kamilla Ács</i> (Hungary)	The nanotechnological formulation and anti-biofilm activity of thyme essential oil against <i>Streptococcus pneumoniae</i>

PP70	<i>Aleksandra Dymek</i> (Poland)	Volatile compounds from different species of <i>Lycopodium</i> with anti-tuberculosis activity
PP71	<i>Aleksandra Dymek</i> (Poland)	GC-MS analysis of volatiles from different <i>Lycopodium</i> species with acetylcholinesterase activity
PP72	<i>Jaroslav Widelski</i> (Poland)	Essential oils from the Herba and fruits of <i>Peucedanum luxurians</i> and their antituberculosis activity
PP73	<i>Jaroslav Widelski</i> (Poland)	Volatile constituents of several <i>Seseli</i> species with acetylcholinesterase activity
PP74*	<i>Musa Türkmen</i> (Turkey)	The essential-oil content and components of <i>Thymus syriacus</i> Boiss. at different harvesting periods
PP75	<i>Milan Nešić</i> (Serbia)	Effects of acorenone-type <i>Acorus calamus</i> essential oil on rat gastric fundus contractions and intestinal transit
PP76	<i>Gözde Öztürk</i> (Turkey)	Biological activity evaluation of Carvi aetheroleum and its major components
PP77	<i>Carla M. M. Fernandez</i> (Brazil)	The activity of laurel essential oil (crude and fractions) in the control of adult bovine ticks and larvae
PP78	<i>Betül Demirci</i> (Turkey)	Antimicrobial activity and <i>in vivo</i> toxicity evaluation of <i>Foeniculum vulgare</i> Mill. essential oil
PP79	<i>Fatih Demirci</i> (Turkey)	<i>In vitro</i> antimicrobial and anti-mycobacterial activity of <i>Piper nigrum</i> Linn. essential oil
PP80	<i>Damla Kırıcı</i> (Turkey)	Biological activity and chemical composition of essential oils from the leaves of <i>Myrtus communis</i> L.
PP81	<i>Esra Yıldırım</i> (Turkey)	Chemical composition and antimicrobial activity of <i>Glebionis coronaria</i> (L.) Cass. ex Spach essential oil
PP82	<i>Esra Yıldırım</i> (Turkey)	Chemical composition and antimicrobial activity of <i>Foeniculum vulgare</i> Mill. essential oil
PP83	<i>Sílvia Macedo Arantes</i> (Portugal)	Essential oils of <i>Calamintha nepeta</i> , <i>Origanum vulgare</i> and <i>Thymus mastichina</i> from Alentejo (Portugal): a pharmacological approach
PP84	<i>Milica Todorovska</i> (Serbia)	Chemical composition of the essential oil of <i>Ziziphora clinopodioides</i> Lam. (Lamiaceae) from Georgia
PP85	<i>Milica Todorovska</i> (Serbia)	Composition of the essential oil of fennel ( <i>Foeniculum vulgare</i> Mill.) fruits from Serbia
PP86*	<i>Jovana Ickovski</i> (Serbia)	Differences in the volatile profile of <i>Artemisia scoparia</i> Waldst. & Kit. after a prolonged storage period
PP87*	<i>Jovana Ickovski</i> (Serbia)	Chemical composition and antioxidant activity of the essential oil of <i>Artemisia alba</i> Turra
PP88	<i>Vidak Raičević</i> (Serbia)	Misidentification of an essential-oil constituent due to repeated reporting of wrong RI value: 2-methyl-2-nonen-4-one vs. 6-hydroxy-2,6-dimethyl-2,7-



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- octadien-4-one
- PP89\*** *Milica Stevanović* (Serbia) **The content of  $\alpha$ - and  $\beta$ - thujones in essential oils: the qNMR approach**
- PP90** *Milena Krstić* (Serbia) **New unsaturated lactones from the *Tordylium apulum* L. (Apiaceae) essential oil**
- PP91\*** *Milena Živković* (Serbia) **The chemical composition of the essential oil of *Hypericum hirsutum* L. from Suva planina (SE Serbia)**
- PP92** *Hüseyin Servi* (Turkey) **The essential-oil composition of *Inula helenium* L. subsp. *turcoracemosa* Grierson from Turkey**
- PP93\*** *Marko Mladenović* (Serbia) **Probing the existence of chemotypes of *Helleborus odorus* Waldst. & Kit. ex Willd. by essential oil analysis: a multivariate approach**
- PP94** *Miljana Đorđević* (Serbia) **Lily of the valley flower volatiles: the chemical composition of the flower diethyl ether extract**
- PP95\*** *Marko Mladenović* (Serbia) **Volatiles of *Pulicaria vulgaris* Gaertn. (Asteraceae)**
- PP96** *Nikola Stojanović* (Serbia) **Toxicity of carvacrol and its potential in preventing L-arginine-induced pancreatic damage**
- PP97** *Milenko Ristić* (Serbia) **The floral scent of *Dianthus cruentus* Griseb. (Caryophyllaceae)**
- PP98** *Hilmi Tuğkan Gülen* (Turkey) **Comparison of the essential-oil composition of *Salvia sclarea* L. aromatherapy oils from Turkish markets**
- PP99** *Ana Miltojević* (Serbia) **The chemical composition of chives (*Allium schoenoprasum* L.) essential oil**
- PP100** *Shabnam Kazemzadeh* (Turkey) **The essential-oil composition of *Telekia speciosa* (Schreb.) Baumg. from Trabzon-Turkey**
- PP101** *Hüseyin Servi* (Turkey) **Composition and AChE-inhibitory properties of *Mentha longifolia* (L.) Hudson subsp. *typhoides* (Briq.) Harley var. *typhoides* (L.) Hudson essential oil**
- PP102** *Semra Ekinci* (Turkey) **Composition and AChE-inhibitory properties of *Hypericum calycinum* L. essential oil**
- PP103** *Emine Şen* (Turkey) **The composition of essential oil of *Veronica persica* Poir. from Istanbul**
- PP104** *Emine Şen* (Turkey) **The essential-oil composition of *Crocus pestalozzae* Boiss. from Istanbul**
- PP105** *Cristina Martínez-Conesa* (Spain) **Chemical variability, toxicity, and antibacterial activity against opportunistic pathogens of the essential oils from *Origanum vulgare* (*hirtum* x *viridulum*)**
- PP106** *Cristina Martínez-Conesa* (Spain) **Anti-*Bacillus cereus* activity of three aromatic plants cultivated in the Region of Murcia (Spain)**
- PP107** *Sibel Barbaros* (Turkey) **AChE-inhibitory properties and the chemical**



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|---------------|------------------------------------|---|
|               |                                    | <b>composition of <i>Salvia aethiopis</i> L. essential oil</b>  |
| <b>PP108</b>  | <i>Sibel Barbaros</i><br>(Turkey)  | <b>A new essential-oil chemotype of <i>Tanacetum sorbifolium</i> (Boiss. ex Boiss.) Grierson from Trabzon-Turkey</b>  |
| <b>PP109</b>  | <i>Berivan İlhanlı</i><br>(Turkey) | <b>The composition of the essential oil of the aerial parts of an endemic new species <i>Ferula mervynii</i> Sağiroğlu &amp; H.Duman from Turkey</b>  |
| <b>PP110</b>  | <i>Berivan İlhanlı</i><br>(Turkey) | <b>The chemical composition of <i>Salvia euphratica</i> Montbret &amp; Aucher ex Benth. essential oil from Sivas-Turkey</b>   |
| <b>PP111*</b> | <i>Eleni Fitsiou</i><br>(Greece)   | <b>Evaluation of the anticancer potential of <i>Aloysia citriodora</i> and its major components, isomeric citral, and their potential synergy with conventional chemotherapeutic drugs in human colon carcinoma</b> |
| <b>PP112</b>  | <i>Ananthan Sadagopan</i>          | <b>Effect of pH on the synergism of thymol and carvacrol against <i>Saccharomyces cerevisiae</i></b>  |