

41st International Symposium on Essential Oils



POSTER PRESENTATIONS SESSION A Chemical composition of essential oils

Variation of the composition of *Asarum canadensis* essential oil cultivated under forest canopy

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Chemical Composition and Antibacterial Activity of Blue Cypress Essential Oil, *Callitris intratropica*

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Composition of essential oil and hydrolate from lemon balm (*Melissa officinalis* L.)

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Essential oil from different parts and *in vitro* shoots of *Telekia speciosa*

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Essential oil and hydrolate from *Chamaemelum nobile* (L.) All. flowers

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Determination of the chemical composition of the essential oil from *Pinus sibirica* nuts

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Essential oil of *Phellodendron lavalleyi* Dode

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New data of the essential oils of new aromatic species *Artemisia* from Mongolian Gobi

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New linear ketone from *Chamaemelum mixtum* essential oil

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Chemical investigations of *Xanthium italicum* Moretti essential oil from Corsica

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Evolution of volatile composition during fruit ripening of *Citrus medica* L. var. corsican

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Quality assessment of Corsican chestnut honey (*Castanea sativa*) using melissopalynological and volatile composition analysis

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Characteristic Volatile Components of Japanese Sour Citrus Fruits, Yuzu, Sudachi and Kabosu

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Essential oil composition of *Teucrium divaricatum* Sieb. subsp. *villosum* growing wild in Lebanon

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Composition of the essential oils in the different plant parts of wild parsnip (*Pastinaca sativa*) from the urban area of Vienna, Austria

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Chemotaxonomy of Serbian *Teucrium* species inferred from essential oil chemical composition: the case of *Teucrium scordium* L. subsp. *scordioides* (Schreb.) Maire & Petitm (Lamiaceae)

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New fragranyl esters from the essential oil of *Tanacetum coccineum* (Willd.) Grierson

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Volatile constituents of the essential oils of *Satureja kitaibelii*

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A detailed analysis of essential oils of *Lamium garganicum* L. and *Lamium maculatum* L. from Serbia

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Characterisation of volatile profile of *Stachys recta* L. subsp. *baldaccii* (K. Malý) Hayek var. *chrysophaea* (Pančić) Hayek from Serbia

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The volatile profile of *Hypericum annulatum* Moris (Hypericaceae) essential oil from Serbia

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Volatiles of four *Parmeliaceae* species growing on the same host tree

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Chemical Characterisation of Hungarian Wild Chamomile (*Matricaria recutita* L.) Populations

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Essential oil composition of SELECTED *Thymus vulgaris* L. clones belonging to five chemotypes

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Chemical Composition of Essential Oils from Leaves and Stem of *Parkia biglobosa*

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Chemical and morphological variability from Portuguese *Mentha aquatica* L. progeny accessions

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Chemical composition of the essential oil from *Lippia triplinervis* Gardner (Verbenaceae) from Minas Gerais, Brazil

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Influence of genetic materials and seeding density on chamomile essential oil production

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Essential Oil Composition of *Salvia nemorosa* L. (Labiatae) Growing in Turkey

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Composition of Essential Oils of Two Endemic *Anthemis* Species from Turkey

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Composition of the Essential Oils of *Artemisia annua* L. and *Artemisia vulgaris* L. from Turkey

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The effect of indol-3-acetic acid and gibberellic acid on composition the essential oil of *Lavandula angustifolia* Mill

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Chemical composition of the essential oil of *C. sinensis* cv. valencia and quantitative structure-retention relationship study for prediction of retention indices by multiple linear regression

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Chemical composition of the essential oil separated from the stems of *Prangos serpentinica* (RECH.F., AELL. ESFAND.) HERNNSTADT&HEYN in the marginal parts of Semnan province by using gas chromatography-mass spectrometry

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Essential Oil Composition Aerial Parts of *Perovskia Abrotanoides* Karel in Shahkuh Mountaine, North of Iran

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Chemical composition and antimicrobial effects of essential oils of Ten *Eucalyptus* species against *Micrococcus luteus* and *Escherichia coli*

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Comparison of three analytical methods for the extraction of the volatile fraction from stem and leaf of *Helichrysum Aucheri*

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Essential oil composition of fresh and dried flowers of Musk rose (*Rosa moschata*) from Iran

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Composition of the essential oil of *Libanotis transeucasica* from Iran

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Chemical Composition and Biological Activity of Essential Oils of *Dionysia taptodes* & *Dionysia diapensifolia* Species

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Composition of essential oil from *Oenothera biennis* L. of Iran

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Chemical Composition from *Thymus Kotschyanus* Cultivated in Iran

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Essential oil composition and in vitro antibacterial activity of essential oils from two *Satureja* species growing in Iran

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The Chemical Constituents of Essential Oil of *Thymus trautvetteri* Klokov & Desj-Shost. Aerial parts (Lamiaceae).

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POSTER PRESENTATIONS

SESSION B

Isolation and methods of analysis of essential oils

Detecting traces of methyl eugenol in essential oils

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Binary mixture thermal studies based on a minor compound extracted from *Syzygium aromaticum* L.

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Hydrodistillation versus Steam Distillation

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Authentication of bergamot essential oil by Gas-Chromatography-Combustion-Isotope Ratio Mass Spectrometer (GC-C-IRMS)

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Cellulosic-based liquid chromatographic enantiomeric separation for determination of coumarins in *Citrus* essential oils

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Conventional and Fast Gas Chromatography Analysis Of Essential Oils Using An Ionic Liquid Stationary Phase.

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Extraction of essential oil using ILs

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Estimation of odour active compounds of marjoram and caraway after decontamination by GC/MS, SPME/GC and GC/O

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Efficient method of isolation of pure (-)- α - and (+)- β -thujone from *Thuja occidentalis* essential oil

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Comparison of different types of distillation on chemical and sensorial properties of 12 selected essential oils.

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Study on the Odor of α -Santalol and Its Side-Chain Modified Derivatives

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Structure-odor Relationship on Sandalwood Odorants: Synthesis and Olfactory Analysis of β -Santalol Analogues

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The strategy of sample preparation step exemplified by the volatiles of *Teucrium marum* L.

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Artificial Crushing Finger (ACF) : a versatile device for rapid evaluation of native oils from fresh aromatic plants

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An UPLC-MS/MS method for the quantification of furocoumarins. Comparison with classical methods.

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Volatile compounds of thyme infusion

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Encapsulation of cinnamon oil in β -cyclodextrin

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Average Mass Scan of the Total Ion Chromatogram vs. Percentage Chemical Composition in Multivariate Statistical Comparison of Essential Oils

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α -Linalool as a constituent of sweet basil (*Ocimum basilicum L.*) essential oil: the first report

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Title: Some Theoretical Studies on the Structural Property of a Group of Essential Oils of Salvia

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Evaluation of Simultaneous Hydrodistillation and Extraction for Isolation of Volatile Oils from *Salix aegyptiaca.L.*

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POSTER PRESENTATIONS

SESSION C

Biological activity of essential oils and their components

Inhibition of LPS Induced Inflammatory Cytokines in Murine RAW macrophage-like Cells by Oregano Oil (*Plectranthus amboinicus*)

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Biological activities of essential oil of *Nepeta glomerata* Montbret et Aucher ex Bentham from Lebanon.

Piozzi F¹, Apostolides Arnold N², Formisano C³, Rigano D³, Senatore F³, Menichini F⁴, Conforti F⁴

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Cytotoxic activity of essential oils, fractions and constituents of *Curcuma longa* and *Curcuma xanthorrhiza*

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Chemical composition, olfactory analysis and antibacterial activity of *Thymus vulgaris* L. chemotype “geraniol”

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Aroma-profile and antioxidant activity of 14 cultivars of basil (*Ocimum basilicum* L.) as affected by drying.

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Deterrent and repellent activities of selected monoterpenoids against lesser mealworm , *Alphitobius diaperinus* Panzer (Coleoptera: Tenebrionidae).

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Microbiological activity of caraway essential oil obtained from different origin.

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Kombucha – new active ingredient using in cosmetic preparations

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Activity of essential oils against food spoiling yeast

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Tea tree and lemon oils as active agents in facial skin cosmetics

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Geranium macrorrhizum* L. (Geraniaceae) Essential Oil: A Potent Agent Against *Bacillus subtilis

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Free radical scavenging, antioxidant, antimicrobial and antifungal capacity of extracts from the leaves of *Eremophila longifolia* (F. Muell) (Myoporaceae): an indigenous Australian medicinal plant with high geographic chemovariability

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Phytochemistry and Pharmacology of Volatile Components of *Plectranthus graveolens* R. Br.

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Preliminary Investigation into the Phytochemistry and Pharmacology of Volatile Oil of *Plectranthus* sp. 'Hann Tableland'

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Inhaling essential oils of two *Santalum* species affects physiological parameters in humans

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Composition and Antimicrobial Effect of Essential Oils Isolated from Different Lavender Species

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The Chemical Characterisation of some *Salvia* Essential Oils and their Inhibitory Effects on Acetylcholinesterase and Butylcholinesterase

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Antimicrobial and antioxidant evaluation of *Vitex agnus castus* essential oils

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The effects of *Nigella sativa* L. and its constituents against plant pathogenic fungi

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Chemical Composition and Antimicrobial Activity of Essential oils of Roots from *Centaurea virgata* Grown in Kakhk area in Iran

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POSTER PRESENTATIONS

SESSION D

Synthesis and biotransformations of isoprenoids

***R*-(-)-Carvone and *S*(+)-carvone biotransformation and glycosylation capacity of *Anethum graveolens* hairy roots: effect on morphology, growth and volatile components**

D.A. Geraldes, J.M.S. Faria, J.G. Barroso, L.G. Pedro, A.C. Figueiredo

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Biotransformation of (-)- and (+)-Menthone by the Larvae of Common Cutworm (*Spodoptera litura*)

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Metabolism of (-)-*cis*- and (-)-*trans*-Rose oxide by Human Liver Microsomal P450s

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Biotransformation of 4-*tert*-butylcyclohexanone by fungi.

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Synthesis of new bicyclic lactam from (+)-3-carene via Beckmann rearrangement

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Synthesis and odor characteristics of racemic and optically active oxy-derivatives of *gem*-dimethylcyclohexene.

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The plant-mediated biotransformation of α - and γ -terpinene

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Bioconversion of cyclic terpenoid ketones by fungal strains

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Biotransformation of Myrcene by Two Species of *Pseudomonas*

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Application of menthol for the enzymatic resolution of α -halopropionates

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Organization of a Proficiency Testing Scheme on Aromatic Products

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