



**3<sup>rd</sup> National Conference of the  
Italian Society for Research on Essential Oils  
(S.I.R.O.E. Società Italiana Ricerca Oli Essenziali)**

*Co-organized by*

**pending authorization**

Rome, 6-7-8 November 2015  
Palazzo Santa Chiara – Piazza Santa Chiara, 14

*Under the patronage of:*



## Friday, November 6<sup>th</sup>

- 13:00-14:00 **Registration**
- 14:00-15:30 **Welcome to the conference**  
Welcome speeches
- 1<sup>st</sup> Session: Essential Oils in Arts, Culture and Tradition**  
**Chairs:** Domenico Monteleone, Paolo Campagna
- 14:30-14:50 **Maria Grazia Bellardi:** “Aromatic” flower decor in the 15<sup>th</sup> century Italian paintings.
- 14:50-15:10 **Maura Di Vito:** Application of essential oils in cultural heritage: state of the art.
- 2<sup>nd</sup> Session: Essential Oils in Agricultural Botany**  
**Chairs:** Maria Grazia Bellardi, Gianfranco Romanazzi, Marco Michelozzi
- 15:10-15:30 **Sebastiano Delfino:** Relation between cultivation environment and essential oil yield in medicinal plants.
- 15:30-15:50 **Marco Michelozzi:** *Pinus pinea* essential oils as biochemical shield against infection by *Heterobasidion irregulare*, an invasive pathogen fungus from North America.
- 15:50-16:10 **Mercedes Verdeguer Sancho:** The essential oil of *Thymbra capitata* (L.) Cav. as a possible alternative for both weed and scab control caused by

*Fusicladium eriobotryae* (Cav.) Sacc. in the loquat cultivation [*Eriobotrya japonica* (Thunb.) Lindl.].

16:10-16:30 **Gianfranco Romanazzi:** Essential oils as alternatives to synthetic fungicides to control pre- and post-harvest fungal diseases of plants.

16:30-16:50 **Paola Minardi:** Pre-infection treatment with *Monarda didyma* essential oil in *Actinidia deliciosa* plants: effect on the disease caused by *Pseudomonas syringae* pv. *actinidiae*.

### **3<sup>rd</sup> Session: Essential Oils in Veterinary Medicine and Foods**

**Chairs:** Antonello Paparella, Federico Infascelli, Sebastiano Delfine

16:50-17:10 **Carla Da Porto:** Analysis of the volatile compounds of the aerial parts and essential oil *Thymus serpyllum* L. cultivated in North East Italy and evaluation by HS-SPME/GC-MS of its flavouring effects on ricotta cheese.

17:10-17:30 **Francesco Beatini:** Aromatic cooking.

17:30-17:50 *Coffee Break and Poster Session*

17:50-18:10 **Vasil Pirgozliev:** The effect of essential oils when integrated in chicken diet.

18:10-18:30 **Roberta Deiana:** Essential oils in cooking: sensory experiences with essential oils in food.

18:30-18:50 **Maurizio Scozzoli:** Essential oils in Veterinary Medicine.

18:50-19:10 **Antonello Paparella:** Essential oils from spices in food preservation.

19:10 *Closing works*

## Saturday, November 7<sup>th</sup>

9:00 **Opening**

**4<sup>th</sup> Session: Essential Oils and Research**

**Chairs:** Annarita Stringaro, Vivian Tullio, Stefania Benvenuti

9:00-9:20 **Daniela Scalas:** Essential oil of *Mentha piperita* (Huds) (Lamiaceae) from Pancalieri (Turin): preliminary evaluation of antifungal activity and synergistic interaction with synthetic antifungal agents.

9:20-9:40 **Andreana Marino:** Antibacterial, antifungal and antiviral activity of *Coridothymus capitatus* (L.) Rchb. f. hydrolate from Scoglitti (Ragusa).

9:40-10:00 **Annarita Stringaro:** Increased therapeutic effectiveness of essential oils in oncology, by means of drug delivery systems.

10:00-10:20 **Giuseppe Fracchiolla:** First preliminary *in vivo* determination of the efficacy and safety profile of a combination therapy based on probiotics and tea tree oil in vaginal mycosis.

10:20-10:40 **Francesca Mondello:** Comparative assessment of the antimicrobial activity of some essential oils against multidrug resistant bacteria of clinical origin.

10:40-11:00 **Paola Moliccotti:** Antifungal activity of essential oils of lavender and its hybrids against different fungi of

environmental isolation.

11:30-12:00 *Coffee Break and Poster Session*

***Workshop***

**Chairs:** Mauro Serafini, Giuseppe Salvatore, Giorgio Pintore  
12:00-13:00 The market of essential oils for cosmetic use: quality, production and distribution.

13:00-14:00 *Lunch*

**5<sup>th</sup> Session:** **Essential Oils: from Chemistry to Microbiology up to Human Health**

**Chairs:** Francesca Mondello, Stefania Zanetti, Filomena Corbo

14:00-14:20 **Marco Valussi:** Quali-quantitative characterization of essential oils according to different extraction parameters.

14:20-14:40 **Vivian Tullio:** Essential oils and conventional drugs: compared activity.

14:40-15:10 *Keynote*

**Dominique Baudoux:** Aromatherapy and paediatric infections. (*in English*)

15:10-15:30 **Hedayat Bouzari:** Prospective, randomized and monocentric clinical study on the treatment of idiopathic anal fistulae with *Lavandula angustifolia* essential oil: preliminary results.

15:30-16:10 **Paolo Campagna, Vincenzo Savini and Daniela Onofrillo:** Case report in paediatric oncology: essential oil treatment in an integrative

medicine protocol.

- 16:10-16:40 *Coffee Break and Poster Session*
- 16:40-17:00 **Letizia Angiolella:** Synergic activity of essential oils.
- 17:00-17:20 **Laura Savo:** Aromatherapy message in schools.
- 17:20-17:40 **Gloria Giussani:** Essential oil carriers evaluation.
- 17:40-18:40 Meeting *SIROE* members
- 20:30 *Social Dinner*

### Sunday, November 8<sup>th</sup>

- 9:00 **Opening**
- 6<sup>th</sup> Session:** **Essential Oils in Bio-Natural Medicine**  
**Chairs:** Leonardo Paoluzzi, Antonio Scafuri
- 09:00-09:20 **Paolo Brici:** Topical essential oil of *Lavandula angustifolia* in a Hippocratic melancholic constitution/Chinese metal constitution paediatric subject.
- 09:20-09:50 *Keynote*

**Jean Claude Lapraz:** Integrated physiology and endobiogenic and algorithmic approach to essential oils use in human medicine. (*in English*)

09:50-10:10 **Francesco Deodato:** Topical use of essential oils on constitutional basis according to Chinese medicine.

10:00-10:30 *Coffee Break*

**7<sup>th</sup> Session: Essential Oils in Galenics and Cosmetology**

**Chairs:** Franco Bettiol, Paolo Campagna

10:50-11:10 **Franco Bettiol:** Cosmetic and dermo-galenic preparations.

11:10-11:30 **Giorgio Pintore:** Essential oils and artisan soaps.

11:30-11:50 **Elena Cobež:** Emotional aromatherapy and cosmetics.

11:50-12:20 **SIROE Award for Young Researchers**

**Chairs:** Maria Grazia Bellardi, Hedayat Bouzari, Maura Di Vito

12:30 **Closing**

14:30 *Guided tour to Pantheon (Santa Maria ad Martyres Church)*



## SCIENTIFIC COMMITTEE

**Bellardi Maria Grazia:** Department of Agricultural Sciences, University of Bologna

**Campagna Paolo:** SIROE President, Rome. Master in Phytotherapy and Medicinal Plants, Tuscia University, Viterbo

**Di Vito Maura:** Department of Infectious, Parasitic and Immune-Mediated Diseases (MIPI), National Institute of Health-Istituto Superiore di Sanità (ISS), Rome

**Mondello Francesca:** MIPI, ISS, Rome

**Pantosti Annalisa:** MIPI, ISS, Rome

**Ricci Maria Luisa:** MIPI, ISS, Rome

**Scafuri Antonio:** Department of Translational Medicine, University of Rome Tor Vergata

**Stringaro Annarita:** Department of Technology and Health (TESA), ISS, Rome

## SPEAKERS AND CHAIRS

**Angiolella Letizia:** Associate Professor, Department of Public Health and Infectious Diseases, University of Rome Sapienza

**Baudoux Dominique:** Director of the Research Laboratory, Pranarom, Belgium

**Beatini Francesco:** Expert and examiner for professional certifications

**Bellardi Maria Grazia:** Professor, Department of Agricultural Sciences, University of Bologna

**Benvenuti Stefania:** Professor, Department of Life Sciences, University of Modena Reggio-Emilia

**Bettiol Franco:** Technical Director, Galeno Srl and Kos Srl Comeana, Carmignano

**Bouzari Hedayat:** Surgeon, General and Oncologic Surgery, Mauriziano Umberto I Hospital

**Brici Paolo:** Physician acupuncturist. OU first aid, medical acceptance and urgencies. Ceccarini Hospital, Riccione – Ravenna

**Campagna Paolo:** Physician, Coordinator of the Master in Phytotherapy, Tuscia University, and SIROE President, Rome

**Cobez Elena:** Trainer in Aromatherapy and Perfumery, Milan

**Corbo Filomena:** Associate Professor, Department of Pharmacy – Drug Sciences, University of Bari

**Da Porto Carla:** Associate Professor, Department of Food Science, University of Udine

**Deiana Roberta:** Writer, author of cooking books and food stylist

**Delfine Sebastiano:** Professor, Department of Agriculture, Environment and Food, University of Molise, Campobasso

**Deodato Francesco:** Odontologist, Master in Clinical Gnathology, Grosseto

**Di Vito Maura:** Grant Researcher, MIPI, ISS, Rome

**Fracchiolla Giuseppe:** Adjunct Professor, Department of Pharmacy – Drug Sciences, University of Bari

**Giussani Gloria:** Scientific Director of Erboristeria Magentina, Poirino – Torino

**Infascelli Federico:** Professor. Department of Veterinary Medicine and Animal Production, Federico II University, Napoli

**Lapraz Jean Claude:** Specialist in Clinical Phytotherapy, France

**Marino Andreana:** Researcher, Department of Drug Sciences and Health Products, University of Messina

**Michelozzi Marco:** First Researcher, National Research Council - Consiglio Nazionale delle Ricerche, Florence

**Minardi Paola:** Researcher, Department of Veterinary Medical Sciences, University of Bologna

**Molicotti Paola:** Researcher, Department of Biomedical Sciences, University of Sassari

**Mondello Francesca:** Researcher, MIPI, ISS, Rome

**Monteleone Domenico:** Functionary, Ministry of Health, Rome

**Onofrillo Daniela:** Physician, Paediatric Hematology and Oncology Unit, Department of Hematology Spirito Santo Hospital - Pescara

**Paparella Antonello:** Professor, Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo

**Paoluzzi Leonardo:** Physician. Higher Research Institute of Traditional Medicine and Anthropology, Terni

**Pintore Giorgio:** Professor, Department of Chemistry and Pharmacy, University of Sassari

**Pirgozliev Vasil:** Research, The National Institute of Poultry Husbandry, Harper Adams University, Shropshire England

**Romanazzi Gianfranco:** Associate Professor, Department of Agricultural, Food and Environmental Sciences, University of Ancona (Università Politecnica delle Marche)

**Salvatore Giuseppe:** Academy of History of Sanitary Art, Rome

**Sancho Mercedes Verdeguer:** Researcher, University of Valencia, Spain

**Savini Vincenzo:** Physician, President “Nastro d’Argento” Association, Santo Spirito Hospital, Pescara

**Savo Laura:** Aromatherapist, Trainer in leader companies

**Scalas Daniela:** Biologist, Department of Public Health and Paediatric Sciences, University of Turin

**Scafuri Antonio:** Professor, Department of Translational Medicine. Tor Vergata University, Rome

**Scozzoli Maurizio:** Veterinary Doctor, APA-CT Experimental Centre, Forlì

**Serafini Mauro:** Professor, Department of Environmental Biology. Sapienza University, Roma

**Stringaro Annarita:** Researcher, Department of Technology and Health, ISS, Rome

**Tullio Vivian:** Associate Professor, Department of Drug Sciences and Technology, University of Turin

**Valussi Marco:** Phytotherapist, Member of the European Herbal & Traditional Medicine Practitioner Association (EHTPA)

**Zanetti Stefania:** Professor, Department of Biomedical Sciences, University of Sassari

## **SCIENTIFIC SECRETARIAT**

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