



SOCIETÀ ITALIANA DI FITOCHIMICA E
DELLE SCIENZE DELLE PIANTE MEDICINALI
ALIMENTARI E DA PROFUMO



UNIVERSITÀ
DEGLI STUDI DI BARI
ALDO MORO

dipartimento di farmacia
– scienze del farmaco

**XVII CONGRESS OF THE ITALIAN SOCIETY OF
PHYTOCHEMISTRY
JOINTLY WITH**

rd
3 *International Congress on Edible, Medicinal and Aromatic
Plants (ICEMAP 2022)*

PROGRAMME



22-24 June 2022
Aula Magna "Aldo Cossu"
Università di Bari
P.zza Umberto, 1 – Bari

Programme

WEDNESDAY 22 JUNE 2022

12.00-14.00 Participant Registration

14.30-15.00 Opening Ceremony

15.00-15.45 Plenary Lecture – Chairs: **BILIA AnnaRita – PISTELLI Luisa**

The impact of COVID-19 on the supply chain and quality of botanical ingredients: a case study with elderberry. **Prof. GAFNER Stefan**, *American Botanical Council, Austin, USA*

15.45-17.30 Oral Presentation – Chairs: **BILIA AnnaRita – PISTELLI Luisa**

15.45 Metabolite profiling of *Helichrysum italicum* derived food supplements by ¹H-NMR-based metabolomics. **CERULLI Antonietta**, *University of Salerno*

16.00 Plant waste extracts increase fibroblasts regenerative capabilities. **ADDIS Roberta**, *University of Sassari*

16.15 *Arbutus unedo* L. for the treatment of gastrointestinal stromal tumor (GIST). A phytochemical study by bio-guided fractionation. **CHIOCCHIO Ilaria**, *University of Bologna*

16.30 A promising inhibitor of pancreatic lipase: Tropea red onion. **ARGENTIERI Maria Pia**, *University of Bari*

16.45 Chemical composition, antioxidant and anti-enzymatic activity of golden rose (*Rhodiola rosea* L.) commercial samples. **VIAPIANA Agnieszka**, *University of Gdansk - Poland*

17.00 Eritadenine content of *Lentinula edodes* (BERK.) pegler grown in medium enriched with agri-food by-products. **TACCHINI Massimo**, *University of Ferrara*

17.15 Nature-inspired structures for the multi-target treatment of Alzheimer's disease: a successful approach for drug-design. **PIEMONTESE Luca**, *University of Bari*

17.30-18.15 Plenary Lecture – Chairs: **ARGENTIERI Maria Pia – MARCOTULLIO MariaCarla**

Medicinal Mushrooms in Italy: Current Research and Future Perspective. **Prof. VENTURELLA Giuseppe**, *University of Palermo, Italy*

19.00 Welcome Cocktail

THURSDAY 23 JUNE 2022

8.30-9.00 Participant Registration

9.00-9.45 Plenary Lecture – Chairs: **BENVENUTI Stefania – POLLASTRO Federica**

Medicinal Mushrooms and their Pharmaceutical Applications. **Prof. LINDEQUIST Ulrike**, *University of Greifswald, Germany*

9.45-10.45 Oral Presentation – Chairs: **BENVENUTI Stefania** – **POLLASTRO Federica**

9.45 Target validation of cannabinoids and related proteomic profile in glioblastoma by pulsed-SILAC approach. **BELLONE Maria Laura**, *University of Salerno*

10.00 *Solanum aethiopicum* LINN cv rotonda as a new source of antioxidant molecules. **PONTICELLI Maria**, *University of Basilicata*

10.15 Phytochemical profile and biological activity of *Jatropha curcas* L. and *Jatropha gossypifolia* L. leaf and stem bark extracts obtained by two different extraction methods. **DI SIMONE Simonetta Cristina**, *University of Chieti-Pescara*

10.30 The anti-proliferative activity of flavanones in THP-1 cells is mediated by the inhibition of SIRT2 pathway. **MAUGERI Alessandro**, *University of Messina, Italy*

10.45-11.15 Coffee Break

11.15-12.15 Oral Presentation – Chairs: **BIAGI Marco** – **MENGHINI Luigi**

11.15 The factor of evolution in understanding hypericin productivity and endogenous phytohormonal pools of *Hypericum* tissue culture model. **DANOVA K. and MOTYKA V.**, *Bulgaria and Czech Republic*

11.30 *Melissa officinalis* extracts as potential acetylcholinesterase, tyrosinase and elastase enzyme inhibitors. **MARENCO Arianna**, *University of Turin*

11.45 Influence of choline chloride-based NADES on the composition of *Myristica fragrans* HOUTT. essential oil. **MARCOTULLIO MariaCarla**, *University of Perugia*

12.00 *Morus alba* L. leaf extracts: evaluation of *in vitro* bioactivities and development of delivery strategies for the nutraceutical management of hyperglycemic conditions. **TRUZZI Eleonora**, *University of Modena and Reggio Emilia*

12.15-13.15 Lunch

13.15-14.45 **Annual SIF Meeting**

14.45-16.15 Poster Session

16.15-17.00 Plenary Lecture – Chairs: **BISIO Angela** – **PINTORE Giorgio**

Bio-based ingredients: extraction, stabilization and application. **Prof. BARROS Lillian**, *Instituto Politécnico de Bragança, Portugal*

17.30 Visit to place of historical-cultural interest

21.00 Congress Social Dinner

FRIDAY 24 JUNE 2022

9.00-9.45 Plenary Lecture – Chairs: **DE TOMMASI Nunziatina** – **PISTELLI Luisa**

Macrocyclic diterpenoids from *Euphorbiaceae* as a source of antiviral compounds. **Prof. LITAUDON Marc**, *ICNS-CNRS France*

9.45-11.00 Oral Presentation – Chairs: **BISIO Angela** – **BRACA Alessandra**

- 9.45** *In vitro* evaluation of antiviral mechanism of Italian *Cistus creticus* L. subsp. *eriocephalus* (VIV.) GREUTER & BURDET against H1N1 influenza and SARS-COV-2 pandemic viruses. **BIAGI Marco**, *University of Siena*
- 10.00** Antiviral activity against *ToBRFV* and *PepMV* of *Combretum micranthum* leaf extracts. **IOBBI Valeria**, *University of Genova*
- 10.15** Thymol Chemotype *Origanum vulgare* L. essential oil as a potential bio-herbicide on monocotyledonous plants. **DE MARTINO Laura**, *University of Salerno*
- 10.30** Exploitation of marginal hilly land in Tuscany through the cultivation of *Lavandula angustifolia* Mill.: Characterization of its essential oil and antibacterial activity. **NAJAR Basma**, *University of Pisa*
- 10.45** Oleacein reduces LPS-induced inflammatory responses by the inhibition of TRL4/MYD88/NF-KB pathway in THP-1 derived macrophages. **CIRMI Santa**, *University of Bari*

11.00-11.30 Coffee Break

11.30-12.45 Oral Presentation – Chairs: **ARGENTIERI Maria Pia** – **PISTELLI Luisa**

- 11.30** Essential oil composition in relation to geographical origin in *Salvia* (Lamiaceae). **PIERACCI Ylenia**, *University of Pisa*
- 11.45** Safe and successful escinosome nanovesicles loaded with andrographolide for subcutaneous delivery in a mice model of oxaliplatin-induced neuropathy. **VANTI Giulia**, *University of Firenze*
- 12.00** Protective effects induced by grape (*Vitis vinifera* L.) pomace water extract in SW-480 cells and isolated mouse colon. **FERRANTE Claudio**, *University of Chieti-Pescara*
- 12.15** Microemulsifying drug delivery system for oral delivery of cannabidiol. **GRIFONI Lucia**, *University of Firenze*
- 12.30** Role of red and white wine extracts in counteracting skin cell senescence. **CRUCIANI Sara**, *University of Sassari*

12.45-13.00 Closing Ceremony