

SCIENTIFIC PROGRAM

Monday September 14th – DAY-1

10:00 AM-17:00 PM Auditorium San Domenico - Registration of participants.

14:00 Oratorio del Crocifisso - Italian Intersociety session (Session 1). Chairmen: Raffaele Capasso and Valentina Parisi.

Italian Society of Pharmacognosy

14:00-14:25 Safwa Moheb El Addad (Milan, Italy): Bridging traditional use with scientific evidence: the ethnopharmacological study of *Prosopis africana* (Guill. & Perr.) Taub. in the framework of gastric inflammatory conditions.

Italian Society of Pharmacology

14:25-14:50 Laura Micheli (Florence, Italy): *Commiphora myrrha* and Cannabidiol: A Dual-Targeting Strategy against persistent pain.

Italian Society of Phytochemistry

14:50-15:15 Federica Pollastro (Novara, Italy): Dietary Terpenoid Lactones are Promiscuous Ligands of Bitter Taste Receptors (TAS2Rs).

Italian Society of Phytotherapy

15:15-15:40 Roberto Della Loggia (Trieste, Italy): Rediscovering Myrrh: Scientific Evidence.

Italian Society of Pharmacognosy

15:40-16:05 Annabella Vitalone (Rome, Italy): Traditional use of medicinal plants and phytovigilance for Traditional Uses and a New Perspective on Magi's Gift.

Italian Society of Botany

16:05-16:30 Maria Carla Marcotullio (Perugia, Italy): Resins' healing properties.

14:00-16:30 Sala Stampa Auditorium San Domenico – Early Investigator Forum. Chairmen: Ekaterina-Michaela Tomou and Maria-Eleni Grafakou.

16:30-17:00 Coffee Break

17:00-18:00 Auditorium San Domenico - OPENING CEREMONY with the Choir of the University of Perugia.

18:00-18:45 Plenary Lecture 1 - Chairman: Marco Leonti.

Thomas Hummel (Dresden, Germany): Plasticity in the human olfactory system: clinical aspects.

19:00-21:00 Welcome Cocktail

Tuesday September 15th – DAY-2

08:30-10:30 Auditorium San Domenico - Invited speaker session 1. Chairmen: Emira Ayroldi and Angela Calderon.

08:30-09:00 Guenter Vollmer (Dresden, Germany): Some Reflections on the Molecular Mode of Action of Plant Material in Ethnopharmacological Research.

09:00-09:30 Namrita Lall (Pretoria, South Africa): Plant-Based Drug Development: A Scientific and Ethical Perspective.

09:30-10:00 Yao Ruyu (Kunming, China): Ethnobotany of a well-known medicinal plant: traditional food and medicinal uses of *Panax notoginseng* in southwestern China.

10:00-10:30 Adolfo Andrade-Cetto (Mexico City, Mexico): Could the concept of “hot” and “cold” diabetes in Traditional Persian Medicine correspond to modern classifications of the disease?

10:30-11:00 Coffee Break

10:30-12:00 Cloister Auditorium San Domenico - Poster Session 1 – Chairman: Federica Pollastro

11:00-12:00 Oratorio del Crocifisso - Parallel Session: Ethnopharmacology and Ethnomedicine through Space and Time 1. Chairmen: Michael Heinrich and Danilo D'avino.

11:00-11:20 Chun-Lin Long (Beijing, China): Ethnobotanical Study on Tajik Medicinal Plants of the Pamir Plateau, China.

11:20-11:40 Cuomu Mingji (Lhasa, China): Clinical Efficacy Evaluation of Pilot study of Four Tibetan Medicinal Compounds in the Treatment of Pulmonary Arterial Hypertension.

11:40-12:00 Franz Chlodwig (Vienna, Austria): Sustainable Supply Chain for Herbal Materials from Ethnopharmacology?

11:00-12:00 Sala Stampa Auditorium San Domenico - Parallel Session Ethnopharmacology and Ethnomedicine through Space and Time 2. Chairmen: Guenter Vollmer and Cataldo Arcuri.

11:00-11:20 Stephane Savriama (La Réunion, France): Indian Contribution to Traditional Medicine in Réunion Island.

11:20-11:40 Nicole Maranta (Milan, Italy): A Mediterranean Remedy for Urinary Tract Infections: *In vitro* Anti-Inflammatory and Anti-Adhesive Properties of *Cistus × incanus* L.

11:40-12:00 Min-Chieh Shih (Taichung, Taiwan): Pharmacovigilance and Safety Surveillance of Chinese Herbal Medicine in Taiwan.

12:15-13:00 Auditorium San Domenico - Plenary Lecture 2. Chairman: Namrita Lall.

Alvaro Viljoen (Pretoria, South Africa): Four Decades of Ethnopharmacology: A Bibliometric Lens on Global Scholarship, Africa's Untapped Potential, and South Africa's Emerging Contribution.

13:00-14:30 Lunch

14:30-16:00 Auditorium San Domenico - Invited Speakers session 2. Chairmen: Antonella Smeriglio and Yao Ruyu.

14:30-15:00 Matteo Politi (Tarapoto, Peru): Ayahuasca and Sacred Medicines, Psychedelic-Assisted Therapy, and Regulatory Frameworks: A Reflection on divergent Paradigms.

15:00-15:30 Angela Calderon (Auburn, United States): Ethnopharmacological Perspectives on Herb–Drug Interactions: AÇAÍ Associated Cardiovascular Risk and KRATOM Mediated Modulation of Antiretroviral Therapy.

15:30-16:00 Ekaterina-Michaela Tomou (Athens, Greece): From Greek to European Pharmacopoeias: Continuity of Natural Products.

16:00-16:30 Coffee Break

16:00-18:00 Cloister Auditorium San Domenico - Poster Session 2 – Chairman: Francesca Riuzzi.

16:30-18:00 Oratorio del Crocifisso - Parallel Session: Biodiversity, Ethnobotany and Ethnopharmacology 1. Chairmen: Adolfo Andrade Cetto and Matteo Politi.

16:30-16:50 Andres F. Vasquez (Halle, Germany): Bridging Ethnopharmacological Uses and Molecular Pharmacology: *Orchidaceae* as a Model Family.

16:50-17:10 Claudio Ferrante (Pescara, Italy): *Allium ursinum* L. from the Apennine Region as a Phytoalimurgic Resource Promoting Colon Health.

17:10-17:30 Marce Taku Bessi (London, UK): From Forest to Market: Climate Risk and Sustainability in the Pharmaceutical Value Chain of *Eurycoma longifolia* (Kalimantan, Indonesia).

17:30-17:50 Valentina Parisi (Fisciano, Italy): Roses Through Time: From Tradition to Innovation.

16:30-18:00 Sala Stampa Auditorium San Domenico - Parallel Session: Pharmacological and Clinical Studies with Plant-based Health Products 1. Chairmen: Pulok Kumar Mukherjee and Do Thi Thao.

16:30-16:50 Danilo D'Avino (Naples, Italy): Protective effects of *Eleutherococcus senticosus* root extract in a murine model of acute pancreatitis.

16:50-17:10 Manjula SN (Mysuru, India): Ameliorative Effects of *Syzygium aromaticum* Flower Bud Ethanolic Extract on Amyloid- β -Induced Cognitive Deficits in Mice.

17:10-17:30 Mruthunjaya Kenganora (Mysuru, India): Anti-Metastatic Potential of *Syzygium cumini* & *Syzygium jambolanum*: An Integrative Network Pharmacology, Molecular Docking, MD Simulation, and Experimental Approach.

17:30-17:50 Laura Salvadori (Perugia, Italy): *Vaccinium macrocarpon* Extract Restrains Sarcobesity Driven by the Advanced Glycation End-Products (AGES)/RAGE Axis.

18:00-18:45 Auditorium San Domenico - Plenary Lecture 3. Chairman: Hung-Rong Yen.

Caroline Weckerle (Zurich, Switzerland): From Witchcraft Act to Dialogue: Decolonising and Transmitting Indigenous Health Knowledge in Uganda.

18:45-19:00 Auditorium San Domenico - ROUND TABLE: The Future of Ethnopharmacology.

20:30 Renaissance Dinner (With Reservation)

Wednesday September 16th – DAY-3

08:30-10:30 Auditorium San Domenico - Invited speaker session 3. Chairman: Sayeed Ahmad and Francesco Paolocci.

08:30-09:00 Thi Thao Do (Hanoi, Vietnam): Uncovering the Potential Anticancer Activities of Several Compounds from Vietnamese Medicinal Plants Against Cancer Stem Cells.

09:00-09:30 Anastasia Karioti (Pisa, Italy): Phytochemical Investigations for the Valorization of the Threatened Greek Medicinal Plants *Origanum dictamnus* and *Primula veris* subsp. *veris* During Domestication.

09:30-10:00 Sayeed Ahmad (New Delhi, India): Metabolomics-Based Scientific Validation of Unani Medicine for Chronic Kidney Diseases.

10:00-10:30 Pulok Kumar Mukherjee (Kolkata, India): Ethnopharmacology for Translating Indian Systems of Medicine: Explore, Educate and Empower.

10:30-11:00 Coffee Break

10:30-12:00 Cloister Auditorium San Domenico - Poster Session 3 – Chairman: Marta Palacz-Wróbel.

11:00-12:00 Oratorio del Crocifisso - Parallel Session: Ethnopharmacology and Ethnomedicine through Space and Time 3. Chairmen: Anastasia Karioti and Carla Ghelardini.

11:00-11:20 Jean Faustin Atangana (Milan, Italy): Evaluation of the Anti-inflammatory activities of Plants Traditionally Used in Cameroon to Treat Gastric Ailments.

11:20-11:40 Tolulope Oke (Ibadan, Nigeria): *Chrysophyllum albidum* Improves Insulin Sensitivity in High-Fat Diet-induced Obesity by Regulating Appetite, Glucose and Fatty Acid Metabolism in Wistar Rats.

11:40-12:00 Massimo Tacchini (Ferrara, Italy): Medicinal Mushrooms in Ethnopharmacology: Bridging Traditional Use and Contemporary Research.

11:00-12:00 Sala Stampa Auditorium San Domenico - Parallel Session: Biodiversity, Ethnobotany and Ethnopharmacology 2. Chairmen: Trinh Thi Thuy and Francesco Galli.

11:00-11:20 Naglaa Ashmawy (Dubai, United Arab Emirates): Metabolomics-Guided Profiling of Anticancer-Associated Metabolites in *Indigofera oblongifolia* and *Indigofera colutea*: Organ-Dependent Cytotoxic Activity.

11:20-11:40 Martina Bottoni (Milan, Italy): Peruvian Traditional Medicine in Milan (Italy): The case study of *Mintostachys mollis*: From Ethnobotany to Phytochemistry and Biological activity.

11:40-12:00 Huynh Nhu Mai (Ho Chi Minh, Vietnam): Isolation from Ethyl Acetate Fraction of *Ventilago diffusa* (G.Don) Exell and its Neuroprotective Effects on 3-Nitropropionic Acid-Induced Huntington's Disease-like Model.

12:15-13:00 Auditorium San Domenico - Plenary Lecture 4. Chairman: Jachak Sanjay.

Jürg Gertsch (Bern, Switzerland): Bridging Ethnopharmacology and Drug Discovery to Treat Chagas Disease: Where Translation Really Matters.

13:00-14:30 Lunch

14:30-16:00 Auditorium San Domenico - Invited Speakers session 4. Chairmen: Bob Allkin and Jakobus Eloff.

14:30-15:00 Hung-Rong Yen (Taichung, Taiwan): Big Data, Bench, and Bedside: Traditional Herbal Medicine for Cancer Patients in Taiwan.

15:00-15:30 Michael Heinrich (London, UK): Ethnopharmacology at (nearly) 60: Overcoming challenges in a transdisciplinary field of research.

15:30-16:00 Rudolf Bauer (Graz, Austria): The Role of Gut Microbiota and Microbial Metabolites for the Activity of Herbal Medicine.

16:00-16:30 Coffee Break

16:00-18:00 Cloister Auditorium San Domenico - Poster Session 4. Chairman Maria Laura Belladonna

16:30-18:00 Oratorio del Crocifisso - Parallel Session: Pharmacological and Clinical Studies with Plant-based Health Products 2. Chairmen: Mazid Abdul and Laura Micheli.

16:30-16:50 Danilo Donnarumma (Salerno, Italy): Rug-Supplement Interactions and Virologic Failure in People Living with HIV Receiving HAART.

16:50-17:10 Maria Laura Belladonna (Perugia, Italy): Anti-osteoclastogenic and Pro-osteoblastogenic Effects of Standardized *Vaccinum macrocarpon* Extract in Experimental Models of Bone Loss.

17:10-17:30 Stefania Marzocco (Fisciano, Salerno, Italy): Plumericin, an Iridoid Derived from *Himatanthus sucuuba*, Modulates Indoxyl Sulfate-Induced Intestinal Homeostasis Via NF- κ B/AHR/NRF2 Signalling.

17:30-17:50 Eleonora Spinozzi (Camerino, Italy): Petroselinic Acid from *Apiaceae* Plants: A Rare Fatty Acid with an Anti-Inflammatory and Antiobesity Potential.

16:30-18:00 Sala Stampa Auditorium San Domenico - Parallel Session: Safety, Analytics and Quality Control of Plant-based Products. Chairmen: Do Thi Thao and Teresa Zelante.

16:30-16:50 Antonella Smeriglio (Messina, Italy): Rom Folk Remedy to Pharmacological Evidence: The Case of *Peucedanum ostruthium* (L.) W.D.J. Koch.

16:50-17:10 Ganesh Kumar (Dehradun, India): Self-Nanoemulsifying Delivery of 6-Gingerol: A QBD-Based Strategy for Improved Biopharmaceutical Performance.

17:10-17:30 Mamokete Setshego (Mafikeng, South Africa): Herbal Concoctions Used for Maternal Healthcare in Qwaqwa, Free State.

17:30-17:50 Rita de Cássia Ribeiro Gonçalves (Vitória, Brazil): Study of the Effect of Compounds from *Persea americana* Seeds on the Oncogenic Proteins VacA and CagA of *Helicobacter pylori*.

18:00-18:45 Auditorium San Domenico - Plenary Lecture 5. Chairman: Rudolf Bauer.

Bob Allkin (London, UK): Enhancing the Scientific Integrity and Precision of Research and Regulation of Natural Products.

20:00 The internal courtyard of Palazzo Trinci - Gala Dinner (With Reservation)

Thursday September 17th – DAY-4

09:00-11:00 Auditorium San Domenico - Invited speaker session 5. Chairmen Enrico Sangiovanni and Alvaro Viljoen.

09:00-09:30 Francesco Galli (Perugia, Italy): Multiomics Precision Strategies for Natural Products Discovery and Real-World Medicine Validation.

09:30-10:00 Jachak Sanjay (Mohali, India): Application of AI-Driven Ayurinformatics for Development of AYUSH Medicines.

10:00-10:30 Jakobus Eloff (Pretoria, South Africa): Conclusions from the Antimicrobial Activity of 741 Acetone Leaf Extracts of 537 Different South African Tree Species.

10:30-11:00 Abdul Mazid (Dhaka, Bangladesh): Cytotoxic and Antibacterial Metabolites from Seaweeds Associated Endophytic Fungi.

11:00-11:30 Coffee Break

11:00-11:30 Meet Bob Allkin: A new data portal from "Plants for Health": brief demo and opportunity to trial & feedback.

11:30-12:30 Oratorio del Crocifisso - Parallel Session: Ethnopharmacology and Neglected Diseases. Chairmen: Massimo Tacchini and Stephane Savriama

11:30-11:50 Marta Palacz-Wróbel (Opole, Poland): Herbal Extracts as Modulators of the Immune Response: Evaluation of Selected Medicinal Plants in HCT116, HaCaT, BEAS-2B, and RAW 264.7 Cell Lines.

11:50-12:10 Radka Peckova (Masarik, Czech Republic): Green Medicine from Indonesia: New Perspectives in the Therapy of Giardiasis.

12:10-12:30 Bianca Diedericks (Pretoria, South Africa): The antifungal activity and mechanism of action of the essential oils of *Heteropyxis* spp. against dermatophytes.

11:30-12:30 Sala Stampa Auditorium San Domenico - Parallel Session: Pharmacological and Clinical Studies with Plant-based Health Products 3. Chairmen: Caroline Weckerle and Giorgia Renga.

11:30-11:50 Sophia Aliou (Abomey-Calavi, Benin): Antibacterial, Antioxidant and Toxicological Properties of Fungal Endophyte Extracts from *Khaya senegalensis* A. Juss. and *Pterocarpus erinaceus* Poir.

11:50-12:10 Eric Agbodjento (Abomey-Calavi, Benin): Efficacy of *Mangifera indica*, *Azadirachta indica*, and *Morinda lucida* against Bacteria associated Diabetic Foot Infections and Postprandial Hyperglycemia.

12:10-12:30 Valentin P. Shichkin (Kijv, Ukraine): The use experience of the Herbal Preparation ALBA for the treatment of Thyroid Pathologies in Ukraine.

12:30-13:15 Auditorium San Domenico - Plenary Lecture 6. Chairman: Jürg Gertsch.

Giovanni Appendino (Novara, Italy): On the Trail of Silphion: Modern Science Sheds Light on an Ancient Mystery.

13:15-14:00 CLOSING CEREMONY

16:00-20:00 GUIDED TOUR (With Reservation): Colfiorito Regional Park: In search of spontaneous Medicinal Plants in Umbria.

Friday September 18th

Guided tour of Giotto's frescoes at the Basilica of Saint Francis in Assisi (With Reservation).

PROGRAM FOR THE GENERAL AUDIENCE

Tuesday September 15th – DAY-2 – Palazzo Candiotti

17:00-17:45 Luciano Loschi: La fitoalimenturgia come ponte tra alimentazione, tradizione popolare ed etnofarmacologia.