

17TH

WORLD
CONGRESS



Polyphenols Applications

SEPT. 19-20 2024

MILAN

PROGRAM
2024

17th World Congress on Polyphenols Applications

September 19-20, 2024 – Università degli Studi di Milano Statale, Milan, Italy

Day 1 – September 19, 2024

8h00 **Welcoming of Attendees – Registration**

8h50 **Introduction of Polyphenols Applications 2024**

Jan Frederik Stevens, President of Polyphenols Applications, Oregon State University, USA

Sabrina Dallavalle, President of the Local Organizing Committee, University of Milan, Italy



9h00 **Why Demonstrating the Health Benefits of Polyphenols isn't Easy: Considerations on Experimental Design to Enhance the Impact of Future Polyphenols Research**

Daniele Del Rio, University of Parma, Italy

Session 1: Polyphenols in Health & Diseases: Mechanistic Insights & Perspectives



9h30 **Polyphenols & Toxicity: All we need to know in 2024**

Doris Marko, University of Vienna, Austria



9h55 **Antiviral Activity of Polyphenols: Latest Developments**

Sascha Venturelli, University of Hohenheim, Germany

10h20 - Coffee Break, Poster Session & Networking



11h00 **Polyphenols and the Enteroendocrine System: Implications for Obesity**

Anna Ardévol, Universitat Rovira i Virgili, Spain



11h25 **Effects of Polyphenols on in Diabetes: A Mechanistic Insight**

Sonia Ramos Rivero, ICTAN-CSIC, Spain



11h50 **Interplay between Phenolic Compounds and Biological Rhythms**

Begoña Mugerza, Universitat Rovira i Virgili, Spain

12h15 Short Oral Presentations (2 slots)

Dietary Effects of Peanut Skin Extracts (PSE) on Hepatic Energy Reserves and Function in Mice Fed a Long-Term Atherogenic Diet

Ondulla Toomer, U.S. Department of Agriculture (USDA), USA

12h35 - Lunch Break, Poster Session & Networking

Session 2: Polyphenols, Microbiota & Metabolites: Recent Advances & Translation



14h00 **The Gut Microbiota as a Referee of Polyphenol Effects: Metabotypes and Precision Health**
Juan Carlos Espín, Spanish National Research Council, Spain



14h25 **Polyphenols, Satiety, and Gut Health: Bridging the Gut-Brain Connection**
Lianliang Liu, Ningbo University, China



14h50 **2-Ene Reductases of Lactobacilli, an Unexpected Diversity of Enzymes for Conversion of Phenolic Compounds**
Michael Gänzle, University of Alberta, Canada

15h15 Short Oral Presentations (2 slots)

15h35 - Coffee Break, Poster Session & Networking

16h20 Short Oral Presentations & Pitch on Polyphenols Innovations (12 slots)

18h20 End of Polyphenols Applications Day 1

20h00 Polyphenols Applications 2024 Dinner *(for ticket holders only)*



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Day 2 – September 20, 2024

8h00 Welcoming of Attendees - Registration

Session 3: Polyphenols & Food Research: Recent Advances



8h30 Novel Development on the Potential Application of Pyranoanthocyanin as Colorants
Monica Giusti, Ohio State University, USA



8h55 Polyphenols and Food Processing: The Critical Points
Jianbo Xiao, Vigo University, Spain



9h20 Polyphenols & Fermented Food: The Optimization
Pasquale Filannino, University of Bari, Italy

9h45 Short Oral Presentations (3 slots)

Extraction of Phenolic Compounds from *Perilla frutescens* using Choline Chloride – Based Deep Eutectic Solvents

Ana-Maria Mocanu, Dunărea de Jos University, Romania

10h15 - Coffee Break, Poster Session & Networking

Session 4: Polyphenols Applications 2024: Clinical Applications and Future Directions



11h00 Polyphenols in Oncotherapy: Moving forward from the Bench to Clinical Applications
José Estrela, University of Valencia, Spain



11h25 Angiogenesis as a Target of Dietary (Poly)phenols and Derived Metabolites
Juan A. Giménez-Bastida, CEBAS-CSIC, Spain



11h50 **Flavonoids & Critically ill Patients: From Experimental Study to Clinical Practice**
Wojciech Dabrowski, *Medical University of Lublin, Poland*

12h15 **Short Oral Presentations (2 slots)**

12h30 - Lunch Break & Poster Session



13h30 **Senolytic Drug and Polyphenol Combinations for Lung Disease**
Alessandra Gambero, *Pontifical Catholic University of Campinas, Brazil*



13h55 **Contribution of Polyphenols in the Modulation of Intestinal Permeability: Targeting Mechanisms and Clinical Trials**
Cristian Del Bo, *Università degli Studi di Milano, Italy*



14h20 **Xanthohumol in Treating Nephropathy and Autoimmune Kidney Diseases: Clinical Data**
Andrzej Jaroszyński, *Jan Kochanowski University, Poland*



14h45 **Cardiose®, A Natural Flavonoid with Potential Health Benefits**
Teresa Pellicer, *HealthTech Bioactives (HTBA), Spain*

15h10 - Coffee Break, Poster Session & Networking



15h40 **Food-Derived Extracellular Vesicles as Nanocarriers of Bioactive Compounds: Therapeutic Potential**
Alberto Davalos, *University of Madrid, Spain*



16h05 **Resveratrol/Omega-3 Fatty Acids Association: Innovative Nutraceuticals to Counteract Ocular Diseases**
Dominique Delmas, *University of Bourgogne, France*

16h30 **Short Oral Presentations & Pitch on Polyphenols Innovations (8 slots)**

Polyssacharide-Based Films Incorporating Pomegranate Anthocyanins as Intelligent Food Packaging Materials
Ângelo Luís, Universidade da Beira Interior, Portugal

Polyphenols as Active Ingredients in Innovative, Green, and Low Cost Active Wound Dressings
Sara Ferraris, Politecnico di Torino, Italy

17h50 **Concluding Remarks & Awards**

18h00 **End of Polyphenols Applications 2024**