

# 11 June 2025

8:00 Registration

## Welcome and Opening of the Congress

9:15 Welcome by Prof. Alceo Macchioni, Director of the Department of Chemistry, Biology and Biotechnology, University of Perugia

9:25 Welcome by Prof. Gaetano Martino, Director of the Department of Agricultural, Food and Environmental Sciences, University of Perugia

9:35 Welcome by Prof. Emidio Albertini, Coordinator of PhD Course in Agricultural, Food and Environmental Science and Biotechnology, University of Perugia

9:45 Welcome by Prof. Manuela Rebora, Coordinator of PhD Course in Biological and Natural Sciences, University of Perugia

*CHAIRS: PAOLO PASTORINO, DANIELE DEL BUONO*

**10:00 Damia Barcelo** - Emerging contaminants and microplastics: risks and challenges for water quality and food under water scarcity.

Department of Chemistry, and Physics, University of Almeria, Spain

**10:30 Monia Renzi** - The role of ecotoxicological analysis to support environmental protection, human health, and production chains.

Dipartimento di Scienze della Vita, University of Trieste, Italy

**11:00-11:30 BREAK**

*CHAIRS: SILVANA PIERSANTI, LORENZO RAGGI*

**11:30 Riccardo Guarino** - Land use change and loss of biodiversity

Dipartimento STEBICEF, University of Palermo, Italy

**12:00 Simona Bonelli** - Decline of butterflies and other pollinators and the challenge of the 2030 European target

Dipartimento di Scienze della Vita e Biologia dei Sistemi, University of Torino, Italy

**12:30-15:30 LUNCH**

*CHAIRS: ROBERTO ROMANI, PIETRO BUZZINI*

**15:30 Priscilla Farina** - Centuries of botanicals in arthropod pest control, but something is still missing

Department of Agriculture, Food and Environment, University of Pisa, Italy

**16:00 Ivan Marchesini** - Modelling and forecasting landslides occurrence at regional/national scale

CNR, Istituto di Ricerca per la Protezione Idrogeologica, Perugia, Italy

**16:30 Enrico Brugnoli** - Climate change and the carbon cycle: implications for agriculture and forest ecosystems

CNR, Istituto di Ricerca sugli Ecosistemi Terrestri - IRET, Porano (TR), Italy

**17:00 Ingrid Garbus** - Non-coding RNAs in Environmental Stress Responses

CERZOS/CONICET, Argentina

Argentina

## 12 June 2025

*CHAIRS: ILARIA BELLEZZA, BERNARDO VALENTI*

**9:00 Luis Pardo** - Role of ion channels in cancer

Oncophysiology Group, Max Planck Institute for Multidisciplinary Sciences, City Campus, Göttingen, Germany

**9:30 Elvio Lepri** - Animals as sentinels for environmental health: the role of veterinary oncology

Dipartimento di Medicina Veterinaria, University of Perugia, Italy

**10:00 Cristian Gallo** - Leveraging satellite data and machine learning for agricultural and environmental insights

CONICET Argentina

**10:30 Andrea Rosati** - Artificial Intelligence in Livestock Farming

European Federation of Animal Science – EAAP, Rome, Italy

**11:00-11:30 BREAK**

*CHAIRS: GIAMPIERO MARCONI, ERMANNO FEDERICI*

**11:30 Sara Zenoni** - Genome editing confers disease resistance in grapevine for a healthier agriculture

Department of Biotechnology, University of Verona, Italy

**12:00 Marco Verani e Ileana Federigi** -Wastewater reuse: balancing sustainability and human health risks

Laboratory of Hygiene and Environmental Virology, Department of Biology, University of Pisa, Italy

**12:30-15:30 LUNCH**

## 16:45-19:00 Tavola rotonda

### Produzione e sostenibilità ambientale: un binomio compatibile?

**Massimiliano Trevisan**, moderatore

**Costanza Spera**, Assessore alle politiche sociali del Comune di Perugia

**David Grohmann**, Assessore all'Ambiente e Rigenerazione Urbana del Comune di Perugia

**Thomas De Luca**, Assessore all'energia, all'ambiente, all'adattamento e mitigazione dei cambiamenti climatici, alle politiche del paesaggio e alla programmazione urbanistica di Regione Umbria

**Matteo Minelli**, Birrificio Flea

**Valentina Dugo**, Consorzio AVO, Umbria biodiversity

**Margherita Tiradritti**, Aboca S.p.A. Società Agricola

**Gabriele Cruciani**, Delegato terza missione Università di Perugia

**Andrea Sisti**, Presidente autorità Umbra Rifiuti e Idrico (AURI)