

MONDAY 02, FEBRUARY 2026

14:00 - 14:30

Registration

14:30 - 15:00

Opening session

SESSION 1 - Soil ecology in a changing environment

Moderator: Antonio Caporale, University of Naples

15:00 - 16:00

Microbial growth as a key driver of soil processes

Andreas Richter, University of Vienna

16:00 - 16:30

Coffee Break & Poster Session

16:30 - 17:15

Living dry: microbial physiology under drought

Alberto Canarini, University of Bologna

17:15 - 18:15

Crop diversity modulates nutrient availability, enhancing soil health and yield in Brazil

- Bruna Emanuele Schiebelbein, University of São Paulo

Biological Drivers of Soil Carbon Stabilization under Sustainable Management in Tropical Systems - Victória Santos Souza, University of São Paulo

From Numerical Model to Soil: A Parametric Study of Controlled Nutrient Release for Sustainable Agriculture - Darya Zhuravlova, Brno University of Technology

Effects of regenerative organic agriculture on soil quality and plant biochemistry - Pavel Chechenkov, University of Ferrara

Investigating the impact of warming on soil organic carbon pools and crop yields - Fatma Abdelkefi, University of Verona

*Soil phosphorus levels modulate the effects of *bacillus thuringiensis* inoculation on maize* - Andre Luiz de Freitas Espinoza, University of São Paulo

18:15

Get together - Welcome Aperitif

TUESDAY 03, FEBRUARY 2026

SESSION 1 - Soil ecology in a changing environment

Moderator: Enrico Buscaroli, University of Bologna

09:00 - 10:00

New perspectives on P fertilization: a critical issue

for ensuring food security

Antonio Delgado Garcia, University of Seville

10:00 - 10:45

Soil degradation and threats to soil health

Carlo Porfido, University of Bari

10:45 - 11:15

Coffee Break & Poster Session

Driving innovation for sustainable agriculture

by investing in soil health

Claudio Screpanti, Syngenta Soil Center

11:15 - 12:00

Agroecological management improves soil functionality and enhances ecological resilience under Mediterranean conditions: A case study in apple-based intercropping systems of Sefrou Province, Morocco - Ayat Bouchra, Moulay Ismail University

Compost-mediated retention of organic xenobiotics in amended agricultural soils - Nicola Denora, University of Bari

Enhancing soil resilience through soil nature-based solutions: integrating environmental, social, and economic dimensions of sustainable soil management for climate resilience - Daniel Ruiz Beamonte, Polytechnic University of Catalonia

Anaerobic co-digestion of Brewery' Spent Grain with walnuts from wood-production trees, to achieve optimal C/N ratio and improve the biogas yield - Jessica Di Mario, University of Perugia

Agronomic Evaluation of Phosphate Organomineral Fertilizer Produced from Aquatic Macrophyte Compost - Felipe Carniel, University of São Paulo

From agri-food waste to multifunctional soil improvers: biostimulation and nematode suppression in tomato plants - Chiara Di Natale, University of Bari

13:00 - 14:00

Light Lunch & Poster Session

SESSION 2 - Plant adaptation to climatic stresses

Moderator: Silvia Celletti, University of Turin

14:00 - 15:00

Soybean development on heat and drought stress
Tiago Tezotto, University of São Paulo

15:00 - 15:45

*Contamination by micro and nanoplastics:
what is the effect on plants?*
Costanza Ceccanti, University of Pisa

15:45 - 16:15

Coffee Break & Poster Session

16:15 - 17:00

The role of sulfur in plant adaptation to abiotic stresses
Eleonora Coppa, University of Tuscia

17:00 - 18:00

No-Till Practice Enhances Faba Bean Productivity and Nodulation Resilience under Climate Stress - Wafae Sellami, Morocco National Institute of agronomic research

Climate-driven shifts in olive suitability across the Mediterranean basin - Giacomo Belvisi, University of Palermo

Innovative bacterial bioinoculants based on biopolymers - Martin Súkeník, Brno University of Technology

Isolation and Characterization of Stress-Adapted Plant Growth-Promoting Rhizobacteria Associated with Tomato Under Salinity and Drought Conditions - Amna Chaudhry, Free University of Bolzano

Research and development of amaranth (Amaranthus spp.) cultivation in Castile & Leon throughout the entire value chain - Sandra Macías Naranjo, University of Salamanca

K and Mg partitioning in coffee plants under high K and low Mg supply - Vinícius Resplandes, University of São Paulo

WEDNESDAY 04, FEBRUARY 2026

SESSION 3 - On field experiment and hands-on activities

Moderator: Monica YA Zuluaga (Free University of Bolzen)
Andrea Ciurli (University of Bologna)

09:00

Moving to Cadriano experimental facility

Experimental farm presentation - Claudio Ratti, University of Bologna

Agronomic challenges in Bologna (and beyond...) - Lorenzo Negri, University of Bologna

09:45 - 11:30

Precision Orchard Management - Giulio Perulli, University of Bologna

INTERRA@scan: technologies for measuring the properties of agricultural soils - Giacomo Purromuto, Business Innovation Lead di Syngenta Italia

11:30 - 13:00

Farm visit and return to DAMSLab

Light Lunch

14:00 - 16:00

Participants'activity: Focus group

16:00 - 16:30

Coffee Break & Poster Session

16:30 - 18:00

Round-table: ethics in research and publication
F. Cotrufo, A.D. Garcia, T. Tezotto, F. Adani, L. Ricciardi (Frontiers)

20:00

Social Dinner & Awards

THURSDAY 05, FEBRUARY 2026

SESSION 4 - Organic biomasses valorization and reuse

Moderator: Gianluca Brunetti, University of Marche

09:00 - 10:00

From biomass and organic waste to the bioeconomy
Fabrizio Adani, University of Milan

10:00 - 10:45

*From Afrodite to Armònia: a process that enhances
a matrix to exalt its essence*
Clizia Franceschi & Michele Rossin, Research Center F.O.M.E.T.

10:45 - 11:15

Coffee Break

11:15 - 12:00

*A biorefinery approach for the sustainable reuse
of biomass in agriculture*
Daniela Pezzolla, University of Perugia

12:00 - 12:45

*A Holistic Approach to Nutrient and Biomass Recovery from
Urban and Agro-Industrial Wastewater*
Sofia Maria Muscarella, University of Palermo

12:45 - 14:00

Light Lunch

CLOSING LECTURE
Moderator: Martina Mazzon, University of Bologna

14:00 - 15:30

*Advancing understanding, quantification and forecasting
of soil organic matter dynamics to transform challenges
into opportunities*
Francesca Cotrufo, Colorado State University

15:30 - 16:00

Closing session



School Venue

DAMSLab Auditorium
Piazzetta Pasolini 5b, Bologna
ITALY

