



AGRICULTURAL CHEMISTRY WINTER SCHOOL

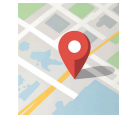


ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

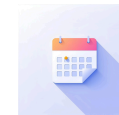
SOIL-PLANT-MICROBIOME FUNCTIONALITY AND ADAPTATION TO ANTHROPOGENIC STRESS AND CLIMATE CHANGE



SCAN the QRcode for more
information and to apply or go to:
<https://site.unibo.it/acws-2026>



BOLOGNA, ITALY
@DAMSLab - Piazzetta Pasolini 5b



02 - 05 FEBRUARY 2026

~~DEADLINE FOR APPLICATION 12/12/2025~~
EXTENDED DEADLINE FOR APPLICATION 19/12/2025



SPONSOR



Frontiers in Soil Science



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 Participants' presentation

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*

11:15 - 12:00 *Driving innovation for sustainable agriculture by investing in soil health*
Claudio Screpanti, Syngenta Soil Center

12:00 - 13:00 Participants' presentation

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 de 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 Participants' presentation

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

09:45 - 12:30 Presentation of the main experimental activities at the experimental farm

12:30 - 13:30 *Light Lunch*

14:00 - 16:00 Participants' activity: Focous group

16:00 - 16:30 *Coffee Break & Poster Session*

16:30 - 18:00 Round-table: ethics in research and publication
A. Richter, A.D. Garcia, T. Tezotto, F. Adani, L. Ricciardi (Frontiers)

20:00 *Social Dinner & Award*

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