



## Workshop

### ***New approaches to enhance crop resilience and sustainable production under a changing climate***

**22 June 2023**

***Aula G. Giovannozzi Sermanni (ex Aula Magna) - Polo di Agraria  
Via San Camillo de Lellis, snc  
University of Tuscia (Viterbo, Italy)***

## Agenda

8.30

***Welcome addresses*** Danilo Monarca, Director of DAFNE (UNITUS)  
Giovanni Gigliotti, President of SICA (UNIPG)

***Chair:*** Zeno Varanini (UNIVR)

8.40 – 9.30

**Marta Vasconcelos** (UCP - Portugal)

***Can science help deliver nutritionally resilient crops in the context of climate change?***

9.30 -10.00

**Gianpiero Vigani** (UNITO)

***Investigating the role of mineral nutrients in the multistress-induced responses of plants***

10.00 – 10.30

**Eleonora Coppa** (UNITUS)

***Interaction between sulfate and selenate in plants***

10.30 – 11.00 **Coffee Break**

11.00 – 11.30

**Laura Zanin** (UNIUD)

***Nutritional deficiencies in plants: interplay between nutritional pathways***

11.30 – 12.00

**Silvia Celletti** (UNISI)

***New fertilizers from biomass recycling to tackle climate change: the potential of combining biochar and wood distillate in vine cultivation***

12.00 – 12.30

**Youry Pii** (UNIBZ)

***Application of microbial and plant-derived biostimulants to enhance the resilience of crops against climate change-derived abiotic stresses.***

12.30 - 14.00 **Lunch break**

14.00 – 14.30

**Biancamaria Senizza** (UNICAT-PC)

***The Trichoderma-mediated mitigation of heat, stress, and their combination in the Arabidopsis holobiont: a metabolomics and metabarcoding approach***

14.30 – 15.00

**Silvia Rita Stazi** (UNIFE)

***Eco-friendly agronomic actions for agricultural production, crop protection, preservation and improvement of soil fertility.***

15.00 – 15.30

**Fabrizio Araniti** (UNIMI)

***Phytotoxic specialized metabolites and their impact on plant metabolism***

15.30 – 16.00

**Marco Landi** (UNIFI)

***Plant pigments, abiotic stress and C metabolism: a long evolutionary journey***

16.00 – 16.30

**Marco Santin** (UNIFI)

***Halophytes like Swiss Army knives: exploring their multiple roles as food, feed, drugs and allies against climate change.***

16.30

**Conclusion**

The workshop is supported by D.I.Ver.So (Digitali, Intelligenti, Verdi e Sostenibili) carried out by the Dept. of Agricultural and Forest Sciences (DAFNE) as Department of Excellence of University of Tuscia.

The official language of the Workshop is English.

**Deadlines**

Participation in the conference is free, upon registration.

Those wishing to participate must register by sending the registration form attached to this notice to [workshop.unitus@gmail.com](mailto:workshop.unitus@gmail.com) not later than 07/05/2023.

For further details and information, please contact Giulia Quagliata ([giulia.quagliata@unitus.it](mailto:giulia.quagliata@unitus.it)).

**Scientific committee**

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Youry Pii

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Nicola Tomasi

Gianpiero Vigani

Anita Zamboni

Laura Zanin

**Local committee**

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## Workshop

### *New approaches to enhance crop resilience and sustainable production under a changing climate*

#### Registration Form

First name: .....

Last name: .....

Institution: .....

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Email: .....