



1° day  
23<sup>th</sup> November



UNIPI International Workshop

# MULTIDISCIPLINARY STUDIES FOR SUSTAINABLE AGRICULTURE: THE EUROPEAN GREEN DEAL

## Sustainable agriculture to tackle climate change

9:00 – Registration

9:05 - **Welcome address: Prof. Marcello Mele** University of Pisa  
*(Director of the Department of Agriculture Food and Environment)*

9:20 - **Plenary lecture: Prof. Daniele Antichi** University of Pisa  
*“Adaptation to and mitigation of climate change: challenges and innovations in sustainable farming”*

### SESSION I

10:05 – **Dr. Lucie Büchi** University of Greenwich  
*“Conservation agriculture or conservation practices: a case study of cover crops cultivation and reduced tillage in Switzerland”*

10:40 - **PhD student, Gagliardi Lorenzo** University of Pisa  
*“A possibility of integrating conservative organic agriculture techniques in vineyards and in multi-year horticultural systems for the management of weeds”*

10:55 - **Coffee Break**

### SESSION II

11:00 - **Prof. Guido Lingua** University of Eastern Piedmont  
*“New frontiers in AMF plant interactions research”*

11:35 - **PhD student Cela Fatjon** University of Pisa  
*“How Arbuscular Mycorrhizal Fungi influence plant response to sup-optimal or stressful growing conditions in semi-artificial cropping systems”*

11:50 - **Dr. Marco Santin** University of Pisa  
*“UV-B radiation: perception, signalling and responses in plants and fruit”*

12:20 - **PhD student Maria Calogera Sciampagna** University of Pisa  
*“UV-B radiation: a sustainable tool that could improve salt stress resistance in plants”*

12:35 – **Lunch**

### SESSION III

14:00 - **Prof. Nickolas G. Kavallieratos** Agricultural University of Athens  
*“Systematics, host spectrum and expansion of aphid parasitoids (Hymenoptera: Braconidae: Aphidiinae) in Western Asia and North Africa”*

14:35 - **PhD student, Valeria Zeni** University of Pisa  
*“Biological control of harmful insects in greenhouses”*

14:50 - **Dr. Philip T. Letwich** University of East Anglia  
*“Evolutionary biology and genetic techniques for insect control”*

15:25 - **PhD student, Camilla Tani** University of Pisa  
*“Control of Lobesia botrana by means of a molecular approach”*

15:40 - **Discussion and Conclusions**

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2° day  
24<sup>th</sup> November



UNIPI International Workshop

# MULTIDISCIPLINARY STUDIES FOR SUSTAINABLE AGRICULTURE: THE EUROPEAN GREEN DEAL

## Sustainable food and feed production

9:00 - **Registration**

9:10 - **Plenary lecture: Prof. Fabio Mencarelli** University of Pisa  
*“Sustainable production towards a new approach to process control thanks to new green technologies”*

### SESSION I

9:55 - **Dr. Corrado Ferrari and Dr. Ludovica Fazio** Barilla G&R F.lli SpA  
*“Shelf-life, sustainability and waste recovery relations in bakery food chain”*

10:30 - **Dr. Isabella Taglieri** University of Pisa  
*“Innovative and sustainable technologies for the production and preservation of natural leavening products”*

11:05 - **PhD student Alessandro Bianchi** University of Pisa  
*“Evaluation and extension of shelf-life with different packaging atmospheres applied to Tuscan bread”*

11:20 - **Break**

### SESSION II

11:25 - **Dr. Daylan Amelia Tzompa Sosa** Ghent University  
*“Insects as a novel source of fats and proteins: science perspectives”*

12:00 - **PhD student Linda Abenaim** University of Pisa  
*“Hermetia illucens genome editing to improve the nutritional profile of eco-sustainable feed”*

12:15 - **Lunch**

### SESSION III

14:00 - **Dr. Silvia Tavarini** University of Pisa  
*“Multi-Purpose oilseed crops for sustainable farming systems”*

14.35 - **Dr. Federica Zanetti** University of Bologna  
*“Camelina an emerging oilseed crop for the European biobased industry”*

15:05 - **PhD student Clarissa Clemente** University of Pisa  
*“Exploring the potential of Camelina (Camelina sativa L. Crantz): valorization of sustainable and innovative quality products for food and feed applications”*

15:20 - **Discussion and conclusions**

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