



Summer School

Catania, June 27-28, 2024

LIFE EBP



Università  
di Catania

## Eco-Friendly strategies for Sustainable Agriculture and Environmental Resilience: Bio-Based Products application.

In collaboration with

allegriini:  
ITALIAN SOLUTIONS

HYSYTECH

aceqa  
L'INNOVAZIONE È IL NOSTRO SUPERPOWERS

Tetmar  
Simetria



Cyprus  
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Technology

Barbier  
Plastic solutions



Dipartimento  
Scienze Chimiche ed Economiche  
UnitelmaSapienza  
Università degli studi di Roma

POOLITI  
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DEGLI STUDI  
DI TORINO

*Sustainable agriculture and environmental resilience are critical components of addressing global challenges. With a spotlight on the application of bio-based products, this Summer School aims to delve into cutting-edge research and practices that promote environmental stewardship while ensuring agricultural productivity. Bringing together PhD students and researchers from diverse backgrounds, this program will examine the role of bio-based products in fostering sustainable agricultural practices. Through interactive sessions, and discussions, participants will have the opportunity to explore the scientific foundations, practical applications, and implications of these eco-friendly strategies. We are excited to promote collaboration, knowledge exchange, and skill development among participants as we collectively work towards a more sustainable future for agriculture and the environment.*

*Thank you for joining us on this journey of exploration and discovery.*

*Andrea Baglieri and Ivana Puglisi*  
(Organising Committee)

Enrolment for the Summer School will be open from the 5<sup>th</sup> April 2024, and the deadline for application is the 15<sup>th</sup> May 2024 (not extendable deadline). Applicants will be asked to provide a cover letter and a short abstract of the work they would like to present. The school will be limited to 40 participants in order of entry. The school will be addressed to PhD students, young researchers and post-graduate students with a strong motivation to attend. The registration fee of €40 will include participation to the sessions (coffee break and light lunch included), course materials and social dinner.

### Scientific Committee:

- Andrea Baglieri, University of Catania, Italy
- Ivana Puglisi, University of Catania, Italy
- Elio Padoan, University of Turin, Italy
- Michela Schiavon, University of Turin, Italy
- Michele Vincenzo Sellitto, University of Timisoara, Romania

### Registration information

The application to LIFE EBP Summer School is available at the link:  
<https://www.consorzio-cometa.it/?p=1010>

Consorzio Cometa will manage the applications and administrative aspects.

<b>Agenda of Summer school</b>	
<b>Thursday 27<sup>th</sup> June 2024</b>	
9,00-9,30	Registration
9,30-9,40	Welcome speech
9,40-10,20	<b>Freddy Liendo</b> , Hysitech, Italy <i>Soluble bio products (BP) perspectives and opportunities</i>
10,20-11,05	<b>Enzo Montoneri</b> , Hysitech, Italy <i>Municipal biowastes as feedstock for the development of the biobased chemical industry</i>
11,05-11,45	Coffee break
11,45-12,30	<b>Elio Padoan</b> , University of Turin, Italy <i>Biowaste-derived products and biomass residues for the remediation of contaminated soils</i>
12,30-13,15	<b>José María Gómez Palacios</b> , Biomasa peninsular S.A., Spain <i>Bio-based and recovered fertilisers, from cities to farms: 12 years experimental developments through EU R&amp;D&amp;</i>
13,15-14,45	Lunch break
14,45-15,30	<b>Michail Koutinas</b> , Cyprus University of Technology, Cyprus <i>Immobilized Biocatalyst Technologies: Novel Biochar-Based Carriers as Toolbox for Sustainable Bioethanol Production in Waste Biorefineries</i>
15,30-16,15	<b>Emanuele La Bella</b> , University of Catania, Italy <i>Microalgal Biomasses: a green strategy for sustainable agriculture and environmental remediation</i>
16,15-17,00	<b>Farzad Rasoli</b> , University of Maragheh, Iran <i>Bioinformatics Tools in Sustainable Agriculture</i>

Friday 28<sup>th</sup> June 2024

9,00-11,15	Participant's presentations*
11,15-11,45	Coffee break
11,45-12,30	<b>Michele Vincenzo Sellitto</b> , University of Timisoara, Romania <i>The Soil Microbiome: a new paradigm for innovative agriculture, from Biostimulation to Microbial Biocontrol</i>
12,30-13,15	<b>Sofia-Maria Ioannidou</b> , Agricultural University of Athens, Greece <i>Sustainability assessment of bio-based chemical and polymer production using food supply chain side streams</i> <b>Dimitrios Ladakis</b> , Agricultural University of Athens, Greece <i>Life cycle assessment of biorefinery electrification using non-thermal air plasma treatment of lignocellulosic resources for biopolymer production</i>
13,15-14,45	Lunch break
14,45-15,30	<b>Michela Schiavon</b> , University of Turin, Italy <i>Unlocking the Potential of Plant Biostimulants: Physiological, biochemical and molecular markers of Effectiveness</i>
15,30-16,15	<b>Piergiuseppe Morone</b> , University of Rome, Italy <i>Good Economics for Hard Times - Let's talk about sustainability and the circular bioeconomy</i>
16,15-17,00	<b>Mohammad Bagher Hassanpouraghdam</b> , University of Maragheh, Iran <i>Medicinal plants production in drylands (Arid and Semi-arid) regions of Iran.</i>
17,00-17,45	<b>Giovanni Gigliotti</b> , University of Perugia, Italy <i>Biostimulants, Biofertilizers, Bioplastics and Biogas from the olive oil production chain.</i>
Closing remarks	

\*Dear Participants,

as part of our collaborative journey towards exploring eco-friendly strategies for sustainable agriculture and environmental resilience, selected participants to the Summer School will have to present their research endeavors, through a concise presentation, comprising 5-6 slides, with the aim of promoting a scientific discussion.

The presentations are designed to encapsulate the essence of your research, providing insights into your methodologies, findings, and implications of sustainable practices in agriculture and environmental conservation. Through this platform, we aspire to cultivate a vibrant exchange of ideas, encouraging cross-disciplinary dialogue and collaboration among participants from diverse academic backgrounds.

The presentation serves as a catalyst for succinct communication, challenging you to distill your research into key points that resonate with your peers. The subsequent discussion session aims to delve deeper into the nuances of your research, inviting constructive feedback, and stimulating thought-provoking conversations.

Embrace this opportunity to share your insights, learn from others, and collectively contribute to our vision of a more sustainable future.

We look forward to your engaging presentations and the enriching discussions they will inspire.

Warm regards,

*Andrea Baglieri*  
*Ivana Puglisi*

## How to reach Catania

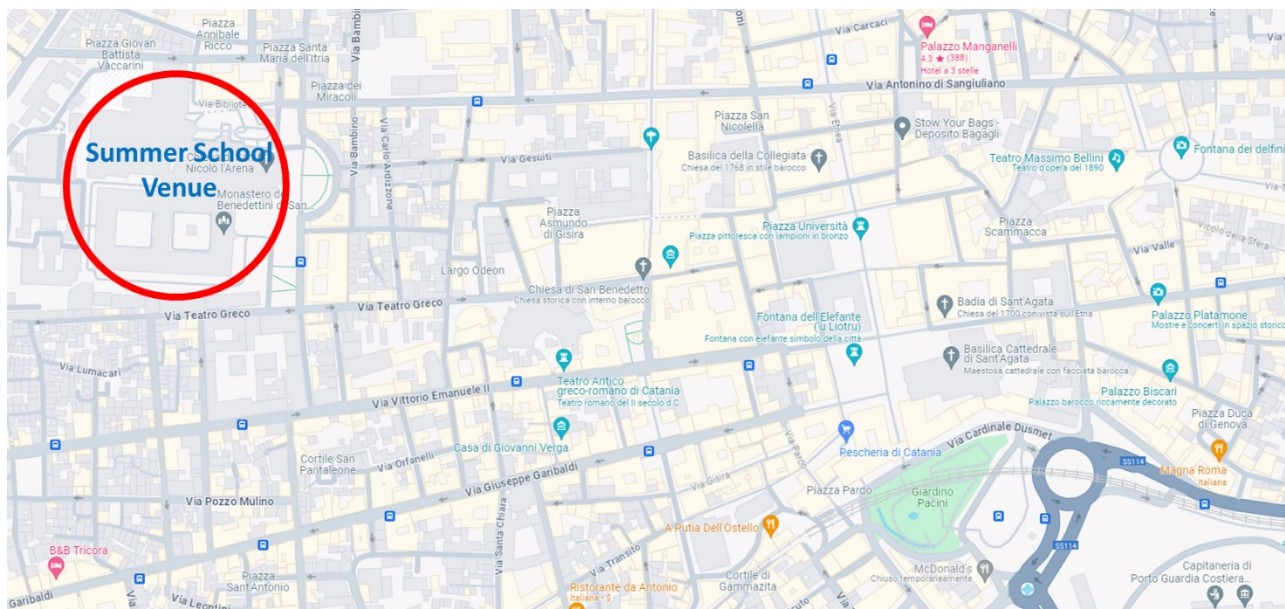
Catania has an airport linked on a daily basis to the most important Italian and International airports.

The international “Fontanarossa” airport is only 5 km away from the city centre, the Summer school venue and the hotels/accomodation.

A bus service is available from the airport to the city centre; terminating at Catania railway station. The trip lasts about 15 minutes. Taxis are also available from the airport to the city centre.

## Summer School Venue

The school will be held at the Monastero dei Benedettini (Monastery of Benedettini)-Piazza Dante, 2, Catania (<https://www.monasterodeibenedettini.it/>).



## Possible accommodation near the summer school venue

- **Benedettini - Exclusive Suites & Monastery View** (1-minute walk to the Summer School venue)
- **Be happy Rooms** (3-minute walk to the Summer School venue)
- **Catania Inn** (7-minute walk to the Summer School venue)
- **Bellini Inn Deluxe** (8-minute walk to the Summer School venue)
- **Home dentro il teatro** (4-minute walk to the Summer School venue)
- **Etna Suite** (16-minute walk to the Summer School venue)
- **Hotel Pietranera Apartments** (7-minute walk to the Summer School venue)
- **B&B HOTEL Catania City Center** (15-minute walk to the Summer School venue)

