

# International Summer School

First Announcement

## Wood and charcoals in Mediterranean forest ecology: anatomical identification and functional traits to interpret past and current climate changes.



21-25 June 2021

Dept. Agricultural Sciences + Online  
University of Naples Federico II  
Portici, Naples (Italy)

**NEW**  
In presence/Virtual  
Hybrid event



centro  
MUSA

### Content

The Summer School will provide an overview of basic and innovative methods, tools and approaches for the analysis of plant samples to reconstruct past vegetation and to evaluate the species plasticity to environmental changes, in order to make projections for the future of Mediterranean forests and shrublands

The course will include field-work training and hands-on laboratory sessions. Students will be involved in all aspects of wood and charcoal research: from sample preparation to data analysis and interpretation.

### Main Topics

- History and biogeography of Mediterranean woody species
- Wood/charcoal identification (sample preparation, microscopy, identification and use as proxies)
- Quantification of wood anatomical functional traits (sample preparation, microscopy, digital image analysis and functional interpretations)
- Radiocarbon dating of samples (accelerator mass spectrometry - AMS) paleopedology and geoarchaeology

### Instructors and Lectures

Angela Balzano	(University of Ljubljana - SI)
Paolo Cherubini	(Swiss Federal Research Institute WSL- CH)
Claire Delhon	(CNRS - Université Nice Côte d'Azur - F)
Veronica De Micco	(University of Naples Federico II - I)
Gaetano Di Pasquale	(University of Naples Federico II - I)
Frederic Lens	(Naturalis Biodiversity Center - NL)
Carmine Lubritto	(University of Campania L. Vanvitelli - I)
Fabio Scarciglia	(University of Calabria - I)

### Registration and Payment

Deadline for expression of interest	15 March 2021
Deadline for registration (max 30 participants):	15 April 2021
Acceptance of registration	30 April 2021
Deadline for payment:	21 May 2021

**To express your interest and receive instruction for registration, please send an e-mail to: [pwalab2020@gmail.com](mailto:pwalab2020@gmail.com)**

**Fees:** Tuition for the 5-day course is 400 euro  
(including: course materials, coffee breaks and lunches)



S.I.E. - Società Italiana di Ecologia

### Organizing Committee

Veronica De Micco  
Gaetano Di Pasquale  
Alessia D'Auria  
Chiara Amitrano  
Nicola Damiano