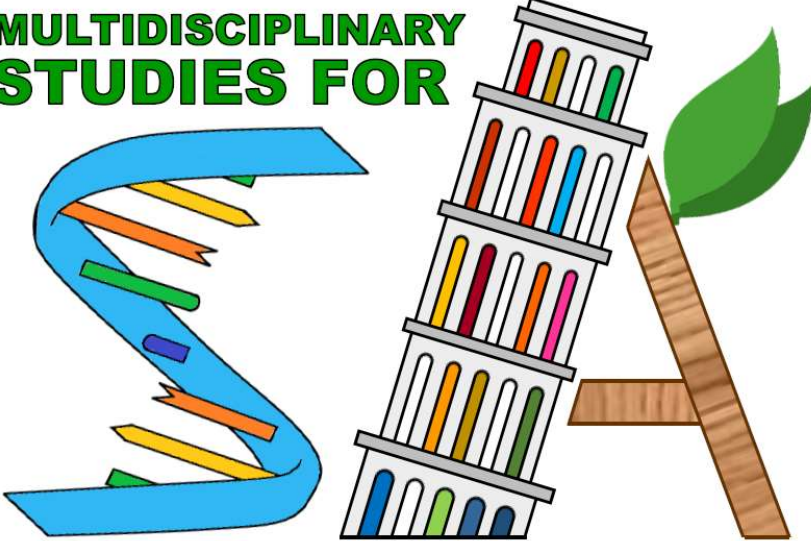




UNIVERSITÀ DI PISA

UNIVERSITY OF PISA
International Web Workshop
MULTIDISCIPLINARY
STUDIES FOR



SUSTAINABLE
AGRICULTURE

International Web Conference

November 19th, 2020
9.00 – 16.00

Soil, Plant and Food - Agri-food waste Recovery and reuse

November 20th, 2020
9.00 – 16.00

The role of sources, data analysis and digitalization for the agri-food sustainability

Follow us on our website:
<https://www.phdagrpisa.space/>



- 9.00 Registration
- 9.30 Welcome address
Marcello Mele, *Director of the Department of Agriculture Food and Environment, University of Pisa*
- Andrea Cavallini**, *Coordinator of the PhD programme in Agriculture Food and Environment, University of Pisa*
- 9.45 **Plenary lecture**
Angela Zinnai, *Department of Agriculture Food and Environment, University of Pisa*
Food technology in food waste reduction

Session I

- 10.15 **Susanna Bartolini**, *Scuola di Studi Superiori Sant'Anna, Pisa*
Apple and potato peels sources of antioxidant compounds
- 10.45 **Luisa Pistelli**, *Department of Agriculture Food and Environment, University of Pisa*
Citrus peel waste as source of high value-added compounds
- 11.15 **Monica Macaluso**, *PhD Student*
Citrus peel as sources of bioactive compounds for the production of nutraceutical olive oils
- 11.25 **Break**

Session II

- 11.50 **Giovanni Antonio Lutz**, *Teregroup srl.*
Biodiesel production and nutrient removal from brewery wastewater by *Scenedesmus dimorphus*
- 12.20 **Tommaso Lotti**, *Department of Civil and Environmental Engineering, University of Florence*
Wastewater Treatment by granular sludge
- 12.50 **Carolina Chielini**, *PhD Student*
Microalgae as potential bioremediation techniques applied in industrial processes: the case study of microalgae in dairy industry
- 13.00 **Carolina Chielini and Monica Macaluso**, *PhD Students*
Application of microalgae for the treatment of vegetation waters derived from unconventional oil extractions enriched with citrus byproducts
- 13.10 **Lunch break**

Session III

- 14.30 **Juan C. Sanchez – Hernandez**, **[KEYNOTE]** *Laboratory of Ecotoxicology, University of Castilla-La Mancha (ES)*
Biochar and earthworms working in tandem: a synergism for improving the sustainability of agriculture processes
- 15.10 **Saverio Barbagli**, *Biodea*
Biodea, the use of wood distillate for a sustainable agriculture
- 15.40 **Michelangelo Becagli**, *PhD Student*
Synergisms between biochar and biostimulants for enhancing soil/plant systems
- 15.50 **Discussion and Conclusions**

9.00 Registration

9.30 **Plenary lecture**

Daniele Antichi, *Department of Agriculture Food and Environment and Centro di Ricerche Agro – Ambientali “E. Avanzi”, University of Pisa*

The role of the University of Pisa and CiRAA in achieving the goals of Agenda 2030

Session I

9.50 **Giuseppe Pulina**, *Department of Agriculture, University of Sassari*
Sustainable meat, communication project

10.20 **Giulia Foggi**, *PhD Student*
Development of dietary strategies to modulate rumen fermentation: effects of Plant Secondary Metabolites (PSM) on methane emission

10.30 **Giulio Vulcano**, *Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA)*,
Ecological resilience and sustainability: the food waste issue

11.00 **Daniel Alpizàr**, *PhD Student*
Trends, challenges and drivers of sustainable food systems in developing countries

11.10 **Break**

Session II

11.40 **Luigi Costanzo**, *Istituto Nazionale di Statistica ISTAT*
The sustainability indicators calculated and disseminated by ISTAT

12.10 **Colomba Sermoneta**, *PhD Student*
Smart farming: The livestock sector digitalization

12.20 **Salvatore Ceccarelli**, *University of Perugia*
Genetic improvement as a tool to support sustainable agriculture

12.50 **Lorenzo Tramacere**, *PhD Student*
Evaluation of agri-environmental dynamics following the introduction of agroforestry systems in arable cropping systems in the Mediterranean area

13.00 **Lunch break**

Session III

14.30 **Gianluca Brunori**, *Department of Agriculture, Food and Environment, University of Pisa*
The contribution of European and global policies to the definition of the concept of Sustainable Bioeconomy and its future scenarios

15.00 **Marco Landi**, *Department of Agriculture, Food and Environment, University of Pisa*
Innovative uses of biomass in the context of circular economy

15.30 **Fabio Lepore**, *PhD Student*
Digital technologies for sustainability: research and case studies to enhance and promote the use of biomass

15.40 **Discussion and Conclusions**