



con il supporto di:



BOLZANO, 14-15 LUGLIO 2022

III CONVEGNO AISSA #UNDER40

LA RICERCA SCIENTIFICA NEL PROCESSO DI
TRANSIZIONE ECOLOGICA IN AGRICOLTURA

- 13:30** Registrazione partecipanti
- 14:30** Apertura dei lavori, saluti istituzionali e presentazione sponsor
Dr. Damiano Zanotelli – Coordinatore Comitato Organizzatore
prof. Paolo Lugli – Rettore Libera Università di Bozen-Bolzano
prof. Marco Gobetti – Preside Facoltà Scienze e Tecnologie
prof. Massimo Tagliavini – Presidente AISSA
Sponsors – Bauernbund, VOGproducts, IDM
- 15:00** Invited Lecture 1 (Aula Magna D0.01) – Paolo Bàrberi (Università Sant’Anna Pisa)
Transizione agroecologica e giovani ricercatori: una grande opportunità da non mancare
- 15:30** Coffee break

S1 – AULA D0.01
RESILIENZA, ECONOMIA CIRCO-
LARE E RUOLO DEL CONSUMATORE

Chairs: Carla Cavallo (UNINA) e
Giovanna Sacchi (UNIBZ)

- 16:00** Anna Corradini (UNIMI)
Hunted wild game meat consumption in the modern era: a systematic review

- 16:10** Elisa Giampietri (UNIPD) e
 Giulia Gastaldello (UNIBZ)
Extending the Theory of Planned Behaviour (TPB) to explore Online Wine Tourism intention among consumers

- 16:20** Andrea Dominici (UNIFI)
Organic label and consumer wine choice: the effect of brand equity

- 16:30** Francesco Ferrero (UNITO)
Valorization of slurry to increase efficiency and sustainability of dairy farm

- 16:40** Marina De Bonis (UNIPD)
*Effect of the cultivation substrate on production and quality of *Pleurotus ostreatus**

- 16:50** Giuseppe Todde (UNISS)
The sustainability of agricultural residues valorization for bioenergy production

- 17:00** Michele Zoli (UNIMI)
Life cycle assessment (LCA) of different aquaculture systems: preliminary results from the SIMTAP project

↓ continua

S2 – AULA D1.01
NUOVE TECNOLOGIE, SMART
AGRICULTURE AND FORESTRY

Chairs: Giovanni Caruso (UNIFI) e
Selena Tomada (UNIBZ)

- Sara Francesconi (UNITUS)
*Nanotechnology-based agrochemicals for the control of *Fusarium spp.* disease and boost bread wheat growth and immunity*

- Elisabetta Bizzarri (UNITUS)
Low intensity magnetic fields enhance growth and disease protection in tomato plants

- Giulia Lauria (UNIFI)
*LED light supplementation in strawberry (*Fragaria × ananassa*) plants: leaf physiological responses and fruit resistance to pathogens*

- Raffaele Zanchini (UNITO)
Assessing the effectiveness of sustainability and quality attributes in consumer selection of a wood waste heating product

- Martina Corti (UNIMI)
*Detection of winterkill events of white mustard (*Sinapis alba L.*) by satellite-based remote sensing*

- Luigi Formisano (UNINA)
Between light and selective shading: morpho-biochemical and metabolomics insight into the effect of blue photoselective shading on nursery seedlings

- Saverio Francini (UNIFI)
A Google Earth engine set of tools for forest disturbance mapping and area estimation

↓ continua

S3 – AULA D1.03
BIOTECNOLOGIE, INNOVAZIONE
VARIETALE, BIOSTIMOLANTI

Chairs: Roberta Bulgari (UNITO) e
Carlo Nicoletto (UNIPD)

- Marzia Leporino (UNITUS)
Effects of vegetal-derived protein hydrolysate and its fractions on response of greenhouse tomato under optimal and suboptimal nitrogen conditions

- Matteo Caser (UNITO)
*Development of a new protein hydrolysate from fish by-product. Potential application in the cultivation of *Ranunculus asiaticus L.**

- Gaia Cortinovis (UNIVPM)
Towards the common bean pangenome

- Stefano Ambrosini (UNIVR)
Polyhydroxyalkanoates-protein hydrolysates coupled production: from waste to valuable resources

- Flavia Mascagni (UNIFI)
*A new breeding tool: the haplotype-phased genome assembly for *Ficus carica**

- Sebastiano Conti Taguali (UNICT)
A new natural biostimulant for controlling green mould of citrus fruit

- Fabio Trevisan (UNIBZ)
Root exudates reuptake and alteration of carbon isotope fractionation by tomato plants under phosphorus deficiency

↓ continua

17:10	Giovanni Fiorile (UNINA) <i>Importance of fish traceability and familiarity with fish sustainability labels: evidence from Italy and Spain</i>	Cesar Alvites (UNIMOL) <i>Progress for the timber assortment evaluation through LiDAR. A review</i>	Arianna Lodovici (UNIUD) <i>Iron and Nitrogen nutrition in tomato plants: a physiological and molecular study</i>
17:20	Discussione	Discussione	Discussione
17:50	Presentazione poster Sessione 1	Presentazione poster Sessione 2	Presentazione poster Sessione 3
18:00	Poster session (S1, S2, S3)		
19:30	Cena sociale (Castel Mareccio, Bolzano)		

VENERDÌ 15 LUGLIO 2022

09:00 Invited Lecture 2 (Aula Magna D0.01) – Luca Nerva (CREA & IPST-CNR)
New plant breeding techniques (NPBTs) for a sustainable and resilient agriculture

S4 – AULA D0.01

MICROBIOLOGIA APPLICATA E MICROBIOMA

Chairs: Elisa Salvetti (UNIVR) e Luigi Borruso (UNIBZ)

09:30 Sara Avesani (UNITN)
Understanding of grapevine mechanisms mediated by volatile organic compounds against downy mildew using a metabolomics approach

09:40 Sara Pipponzi (UNIMORE)
*Mitigation of the infection induced by *F. oxysporum* f.sp. *lactucae* by Volatile Organic Compounds (VOCs) produced by a strain of *Streptomyces* sp.*

09:50 Leilei Zhang (UNICATT)
The interaction between strigolactones and mycorrhiza: a morpho-physiological and metabolomics investigation in tomato

10:00 Ida Romano (UNINA)
Development, Formulation and pre-efficacy evaluation of an innovative microbial-based biostimulant

10:10 Roberta Prete (UNITE)
Fermented foods: a reservoir of health-promoting lactic acid bacteria

10:20 Discussione

10:40 Presentazione poster Sessione 4

10:50 Coffee Break

11:10 Invited Lecture 3 (Aula Magna D0.01) – Paolo Trevisi (Università di Bologna)
Impiego di antibiotici nell'allevamento suinicolo nazionale: fattori di rischio e prospettive di riduzione

S5 – AULA D1.01

PRATICHE AGROECOLOGICHE IN PRODUZIONE

Chairs: Vittoria Giannini (UNISS) E Hannes Schuler (UNIBZ)

Emilio Lopresti (UNIRC)
Legumes affect bacterial communities of intercropped wheat due to phosphorus availability

Pierdomenico Spina (UNIMOL)
The fundamental role of Tree-related microhabitats for saproxylic beetles conservation

Cristina Pogolotti (UNITO)
Pheromone-mediated mating disruption to control chestnut tortrix moths

Filippo Sarvia (UNITO)
Mapping melliferous potential and productive honey areas through GIS: a more sustainable approach to beekeeping

Pasquale Napoletano (UNIMOL)
Carbon dynamics in constructed soils of New York City (USA)

Discussione

Presentazione poster Sessione 5

S6 – AULA D1.03

GESTIONE SOSTENIBILE DELLE RISORSE

Chairs: Domenico Ronga (UNISA) e Serena Antonucci (UNIMOL)

Pietro Todde (UNISS)
Spatiotemporal analysis of marginalization drivers in Gennargentu-Mandrolisai inland areas

Antonella Gori (UNIFI)
*Carbohydrate reserves limit *Quercus ilex* ability to recover after severe water stress more than embolism formation*

Giacomo Palai (UNIFI)
*Effect of different regulated deficit irrigation strategies on berry secondary metabolites in *Vitis vinifera* L. cv Sangiovese*

Enrico Pomatto (UNITO)
Evaluation of different ornamental perennial species combinations for weeds' containment in the urban environment

Rafael Dasilveira Bueno (UNIPA)
The role of sustainable agroforestry practices and food consumption to prevent tropical deforestation and increase ecosystem services

Discussione

Presentazione poster Sessione 6/a

**S7 – AULA D0.01
PRODUZIONI ANIMALI SOSTENIBILI**

**Chairs: Angela Costa (UNIPD) e
Valentina Caprarulo (UNIBS)**

- 11:40** Claudia Stellini (UNIMI)
Social Life Cycle Assessment of pig rearing facilities equipped with smart solutions for pollution control
- 11:50** Alice Vanzin (UNIPD)
Cytoflurimetric analyses revealed a pathogen-specific immune modulation in response to intramammary infection in Holstein cows
- 12:00** Giorgia Mantovani (UNIPR)
Effects of organic bedding materials on poultry's growth performances and welfare
- 12:10** Angela Salzano (UNINA)
Influence of biscuit flour administration on buffalo milk quality
- 12:20** Francesco Bordignon (UNIPD)
Polyculture of catfish, rainbow trout and Swiss chard in halaponics
- 12:30** Discussione
- 12:50** Presentazione poster Sessione 7

**S8 – AULA D1.01
RIDUZIONE INPUT ESTERNI**

**Chairs: Ivan Baccelli (CNR-FI) e
Carmelo Maucieri (UNIPD)**

- Monserath Lascano (UNIBO)**
Investment, subsidies, and environmental performance: conflicting effects on farms using Dose-response function
- Virginia Fassa (UNIMI)**
Data fusion of soil and vegetation maps for site-specific nitrogen recommendations
- Daniela Hey (Laimburg R C)**
Impact of defoliation treatments on the nutrient balance of club variety apple trees
- Federico Colombo (UNIMI)**
Low-phytate grains to enhance phosphorus sustainability in agriculture: advances on the lpa1-1 maize mutant
- Elisa Seffin (UNIUD)**
Can the interaction between pollen and toxic compounds affect honey bee survival?
- Discussione**
- Presentazione poster Sessione 8**

**S6 – AULA D1.03
GESTIONE SOSTENIBILE DELLE
RISORSE**

**Chairs: Giovanni Mastrodonato
(UNIFI) e Luca Da Ros (UNIBZ)**

- Ilaria Zorzi (UNIFI)**
Does tree position along a hillslope affect sap flow rates? A case study in a beech forest stand in Central Italy
- Luigi Piemontese (UNIFI)**
Investing in sustainable intensification for smallholders: quantifying large-scale costs and benefits in Uganda
- Abdelhameed Moussa (UNIBZ)**
Role of the bacterial community in the outbreak dynamics of the European spruce bark beetle Ips typographus in Dolomites
- Stefania Diquattro (UNISS)**
Long-term influence of a municipal solid waste compost on the mobility of potentially toxic elements (PTEs) and bio-chemical properties of a contaminated soil: a field study
- Ermes Lopiccolo (UNIPI)**
The dark side of the light: influences of modern nocturnal illumination on urban trees
- Discussione**
- Presentazione poster Sessione 6/b**

13:00 Lunch break

14:00 Poster session (S4, S5, S6, S7, S8)

14:30 La ricerca in EU (Aula Magna D0.01 – online talk)
Dibattito: *Opportunità e modalità di accesso ai finanziamenti europei per la ricerca*
Serena Borgna (APRE – Agenzia per la Promozione della Ricerca Europea)
Modera: Angelo Di Mambro

15:00 Comunicare la scienza (Aula Magna D0.01)
Dibattito: *Il ruolo della divulgazione scientifica nella carriera del ricercatore*
Elisa Weiss (NOI Techpark)
Modera: Angelo Di Mambro

15:30 Coffee break

16:00 Tavola rotonda: *Transizione ecologica: dalla teoria alla pratica*
Intervengono: Herbert Dorfmann (Parlamento EU), Davide Viaggi (prof. UNIBO), Stefano Francia (Pres. Naz. AGIA-CIA), Angelika Springeth (Bauernjugend)
Modera: Angelo Di Mambro

17:00 Conclusione lavori, premiazioni (oral e poster) e presentazione prossima edizione AISSA#under40

