

XII National Conference of the Italian Society of Plant Biology

Dipartimento di Bioscienze, Biotecnologie e Ambiente
Università degli Studi di Bari Aldo Moro

11-14 September 2023

Elevator Pitches

Plant Immunity and Plant Microbe Interaction

German Dario Ahumada, Scuola Superiore Sant'Anna, Pisa

Bacterial endophytes contribute to rice seedling establishment under submergence

Andrea Tonanzi, Sapienza University of Rome

Elicitor-Induced Transgenerational Priming of Defense Responses in *Arabidopsis thaliana*

From signaling to development

Laila Moubayidin, John Innes Centre, Norwich, United Kingdom

Post-translational modification of SPATULA by SECRET AGENT and SPINDLY promotes organ symmetry transition at the gynoecium apex

Sri Amarnadh Gupta Tondepu, University of Pavia

Evidence of miRNA regulation on the DNA damage response during germination of the irradiated wheat seeds

Paolo Maria Triozzi, Scuola Superiore Sant'Anna

Spatiotemporal internal oxygen dynamics define cyclic hypoxia in plants

Biotechnological Approaches for Circular BIO-Economy

Rachele Ingrisano, University of Bologna

Effect of the trophic regime on the growth of microalgae

Antonella Gori, University of Florence

Nutritional and nutraceutical composition of italian wild pear (*Pyrus communis* var. zingaro) at different maturation stages: a comparative analysis of peel and pulp

Plant adaptation to climate changes

Lucia Biruk, University of Trieste

Better safe than sorry: the surprising drought tolerance of a wetland sedge (*Cyperus alternifolius*)

Ilva Licaj, University of Sannio

Digging up through Artificial intelligence how two wheat cultivars response to Polyethylene Glycol-Simulated Drought Stress by analyzing root morpho-anatomical traits

Cristina Pagliano, University of Piemonte Orientale

Physiological responses to salt stress in wild and domesticated rice

Chiara Pagliarani, National Research Council (CNR) of Turin, Institute for Sustainable Plant Protection

Exploiting somaclonal variability to increase drought stress tolerance in grapevine

Improving carbon assimilation for plant production

Sara Natale, University of Padua

Biodiversity of photosynthetic response in various bryophyte accessions

Erika Bellini, Sapienza University of Rome

Efficient utilization of monosaccharides from agri-food by-products supports *Chlorella vulgaris* biomass production

Novel Technology for multiscale level of investigation in plant physiology

Bianca Maria Orlando Marchesano, University of Milan

New state-of-the-art imaging tools to study how crops adapt to environmental changes: *Lycopersicon esculentum* key study

Teodora Chiara Tonto, Campus Bio-Medico University of Rome

Methodological pipeline for monitoring post-harvest quality of leafy vegetables