

September 2024

26 Thursday



- **Registration** 7:15 – 12:00
- **Opening the Conference** 8:15 – 8:30
- **Keynote Lecturer: Stéphane Compant (in-person)** 8:30 – 9:00
Austrian Institute of Technology, Austria
"Multipartite interactions within the plant holobiont and impacts on plant growth and health"

Session I "Plant-Microorganisms Interactions in Agriculture and Ecosystem Management"

[Session Chairs: Katarzyna Hryniewicz, Stéphane Compant]

- **Keynote Speaker: Sascha Patz (in-person)** 9:00 – 9:25
Metagenomics, Computomics GmbH, Germany
"Leveraging Machine Learning for Enhanced Soil Microbiome Analysis in Regenerative Agriculture: A Pathway to Optimal Plant Health,"
- **Q&A panel** 9:25 – 9:30

SHORT PRESENTATION PANEL

- **Lecture 1 Katarzyna Hryniewicz (in person)** 9:30 – 9:45
Microbiology Department, Nicolaus Copernicus University in Toruń
„Plant-Microbial interactions and effect on plant growth and bioprotection”
- **Lecture 2 Robert Czajkowski (in-person)** 9:45– 10:00
University of Gdansk, Intercollegiate Faculty of Biotechnology UG&MUG
“Insights from the interaction of virulent and temperate bacteriophages and Soft Rot Pectobacteriaceae (SRP) in agricultural environment”
- **Lecture 3 Marcin Borowicz (in-person)** 10:00 – 10:15
University of Gdansk, Intercollegiate Faculty of Biotechnology UG&MUG
“Tailocins in the rivalry among Soft Rot Pectobacteriaceae”
- **Lecture 4 Giacometti Romina (online)** 10:15 -10:30
INBA-CONICET. Instituto de Investigaciones en Biociencias Agrícolas y Ambientales. Facultad de Agronomía, Universidad de Buenos Aires, Argentina
“Pioneering Green Nanotech Solutions for Soybean Growth and Plant Health”
- **Lecture 5 Praveen Roylawar (online)** 10:30 – 10:45
S.N. Arts, D.J.M. Commerce and B.N.S. Science College (Autonomous)
Sangamner, Maharashtra, India
“Comparative metagenomics analysis to reveal rhizosphere microbial community composition and function in wild and cultivated Alliums”

CONFERENCE SCHEDULE

26 Thursday



- **Discussion** 10:45 – 11:00
- **Poster Session** 11:00 – 12:00
- **Ewa Węgrzyn (in-person)**
Microbiology Department, Nicolaus Copernicus University in Toruń, Poland
“Selection of bacterial endophytes from perennial crops and their potential application in sustainable agriculture”
- **Julia Borówka (in-person)**
University of Silesia, Katowice, Poland
“Assessment of the potential of endophytic bacterial strains to support maize growth under drought stress”
- **Michał Kułakowski (in-person)**
Adam Mickiewicz University, Poznań, Poland
“The effect of fungicides on the mycelial growth of *Epichloë* spp. fungi – an in vitro experiment”
- **Sanket Gaonkar (online)**
P. E. S's R. S.N College of Arts and Science, Farmagudi, Ponda, Goa, India
“Production of Biofortified compost from wine residues for mushroom cultivation and plant growth”
- **Yahaya Yunusa Riko (on-line)**
Umaru Musa Yar'adua University, Katsina, Nigeria
“Coalescence and Diversity in the Identity and Metabolic Functionality of Key Players in the *Sorghum bicolor* Rhizobacteriome during Heavy Metals Phytoremediation”
- **Discussion (15 minutes)**
- **Group photo** 12:00 - 12:10
- **COFFEE BREAK** 12:10 – 13:30

Session II „Plant Metabolism and Signalling”

[Session Chairs: Agnieszka Zienkiewicz, Agnieszka Mierek-Adamska]

- **Keynote Speaker: Giovanni Stefano (in-person)** 13:30 – 13:55
Laboratories of Biomorphologies, Department of Biology, University of Florence, Italy
“Plant Plastid Interactions”
- **Q&A Panel** 13:55 – 14:00

September 2024

CONFERENCE SCHEDULE

September 2024

26 Thursday



SHORT PRESENTATION PANEL

- **Lecture 1 Katalin Solymosi (online)**
 Department of Plant Anatomy, ELTE Eötvös Loránd University, Budapest, Hungary
 14:00 – 14:15
“The effect of salt stress on the structure and function of various plastids”
- **Lecture 2 Tomasz Gulanicz (in-person)**
 Centre for Modern Interdisciplinary Technologies, Nicolaus Copernicus University
 in Toruń, Poland
 14:15 – 14:30
**“The nuclear distribution of Microprocessor core proteins is regulated by RNAPII
 activity in *A. thaliana*”**
- **Lecture 3 Milena Kulasek (in-person)**
 Department of Genetics, Faculty of Biological and Veterinary Sciences, Nicolaus
 Copernicus University in Toruń, Poland
 14:30 – 14:45
**“Guardians of the Seed Quality: Exploring the Role of Stringent Response
 Elements in Seeds of *Arabidopsis thaliana*, *Brassica napus* L., and Other Crops”**
- **Lecture 4 Jakub Michalski (in-person)**
 Department of Biochemistry and Biotechnology, Poznań University of Life Sciences,
 Poland
 14:45 – 15:00
**“Bacterial cyclic dinucleotides elicit stress response in common grapevine (*Vitis
 vinifera* L.) cell cultures and can be hydrolyzed by plant enzymes”**
- **Lecture 5 Hossein Parvizi (online)**
 National Salinity Research Center, Agricultural Research, Education and Extension
 Organization, Yazd, Iran
 15:00 – 15:15
**“Effect of water deficit on canopy expansion and stem water potential of blue
 panic grass”**
- **Discussion** 15:15 – 15:30
- **Poster session** 15:30 – 16:30
- **Justyna Nowakowska (in-person)**
 Cardinal Stefan Wyszyński University in Warsaw
 16:30 – 16:45
**“Long-term abiotic stress affects the expression of selected genes in *Zea mays*
 leaves”**
- **Natalia Krówczyńska (in-person)**
 Poznań University of Life Sciences
 16:45 – 17:00
**“Diadenosine triphosphate and its analogues influence on stilbene biosynthesis in
Vitis vinifera cell suspension culture”**

CONFERENCE SCHEDULE

September 2024

26 Thursday



- **Adriana Szmidt-Jaworska** (in-person)
Department of Plant Physiology and Biotechnology, Nicolaus Copernicus University in Toruń, Poland
“The strigolactone receptor DWARF14 (D14) from *Arabidopsis thaliana* acts as active guanylyl cyclase”
- **Nibras Belgaroui** (in-person)
Centre for Modern Interdisciplinary Technologies, Nicolaus Copernicus University in Toruń, Poland
“Identification and functional characteristics of phosphatidic acid phosphohydrolase (PAH) from oleaginous microalga *Nannochloropsis oceanica*”
- **Mohammad Hossein Banakar** (online)
National Salinity research Center, Iran
“Methyl jasmonate: A new growth regulator to mitigate the adverse effect of salt stress in fenugreek (*Trigonella foenum-graecum* L.)”

Discussion (15 minutes)

Guided Walk Tour of Toruń

18:00 – 19:30

Gala Dinner

19:30 -

CONFERENCE SCHEDULE