DEAR COLLEAGUES,

With great pleasure I announce the upcoming miCROPe 2024 conference - Microbe-assisted crop production – opportunities, challenges and needs! Becoming a true tradition but based on the feedback and preferences of our conference participants, it is getting a summer conference. miCROPe 2024 will take place again in Vienna, from 15-18 July 2024, giving you the opportunity to enjoy lovely summertime in Vienna and surroundings.

There is unbroken interest in soil and plant microbiomes and their important contribution in agro-systems. Following the ambition of the previous conferences, we aim to link basic understanding with challenges encountered in application and to bring in novel trends how to explore and make use of microbiomes for plant production. Also, miCROPe 2024 aims to provide interesting content to scientists in academia as well as in industry and to facilitate joint discussions. Scientific sessions will address different functions of microorganisms in crop production, ranging from biocontrol to nutrition and stress resilience. Furthermore, we will address plant mechanisms, functional understanding, multipartite interactions and most importantly also address how microbiomes can be translated in field applications.

The symposium will be held in the Apothekertrakt of the famous Schönbrunn castle, easy to reach from the Vienna city center and surrounded by a beautiful park area. We invite you to present exciting results, engage in discussions with experts from academia and industry and enjoy the historic and cultural sites of Vienna.

Looking forward to meeting you in Vienna at the miCROPe 2024!

ANGELA SESSITSCH
on behalf of the Organizing Committee

INTERNATIONAL SCIENTIFIC COMMITTEE:

AHMED ABDELFATTAH
Leibniz Institute for Agricultural Engineering and Bioeconomy, GE

LIVIO ANTONIELLI
AIT Austrian Institute of Technology, AT

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ORGANIZED BY

AIT Austrian Institute of Technology

ÖGMBT - Austrian Association of Molecular Life Sciences and Biotechnology

CONTACT

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miCROPe

INTERNATIONAL SYMPOSIUM

MICROBE-ASSISTED CROP PRODUCTION – OPPORTUNITIES, CHALLENGES & NEEDS

***July* 15th – 18th, 2024**

SCHÖNBRUNN PALACE
ORANGERIE / APOTHEKERTRAKT
VIENNA, AUSTRIA

SATELLITE COURSES & WORKSHOPS AVAILABLE

AIT AUSTRIAN INSTITUTE OF TECHNOLOGY

ÖGMBT

MAIN TOPICS

- Bringing microbial applications into practice
- Climate change, plant microbiomes and plant abiotic stress tolerance
- Microbiomes and plant nutrition
- Plant microbiome functions
- Plant microbiomes and food quality
- Plant mechanisms to interact with plant beneficial microorganisms
- Plant breeding for beneficial plant-microbe interactions
- Multi-partite interactions
- Microbial biocontrol of pests, path-ogens and weeds
- Application of SynComs, new delivery approaches and emerging trends
- Data sciences and microbiome-based precision approaches

IMPORTANT DATES

Abstract Submission: **until March 25th, 2024 for oral & poster presentations**

Early-Bird Registration: **April 8th, 2024**

Late Poster Submission only: **until June 3rd 2024**

KEYNOTE SPEAKERS

SOFIE GOORMACHTIG
University of Gent, BE

JAN LEACH
Colorado State University, US

INVITED SPEAKERS

AHMED ABDELFATTAH
Leibniz Institute for Agricultural Engineering and Bioeconomy, GE

LIVIO ANTONIELLI
AIT Austrian Institute of Technology, AT

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ALEXANDRA KHASSIDOV
ÖGMBT

WALTER GLASER
ÖGMBT

REGISTRATION

www.microp e.org/registration

SYMPOSIUM PROGRAM

DAY 1 | 15 July 2024 | 1PM – 8PM

OPENING LECTURE	SOFIE GOORMACHTIG
SESSION 1	BRINGING MICROBIAL APPLICATIONS INTO PRACTICE
SESSION 2	CLIMATE CHANGE, PLANT MICROBIOMES AND PLANT ABIOTIC STRESS TOLERANCE
SESSION 3	MICROBIOMES AND PLANT NUTRITION
	Poster Session & Networking

DAY 2 | 16 July 2024 | 9AM-3PM

SESSION 4	PLANT MICROBIOME FUNCTIONS
SESSION 5	PLANT MICROBIOMES AND FOOD QUALITY
	Poster Session
SESSION 6	PLANT MECHANISMS TO INTERACT WITH PLANT BENEFICIAL MICROORGANISMS
	Social Events starting at 3:30 p.m.

DAY 3 | 17 July 2024 | 9AM-4:30PM

SESSION 7	PLANT BREEDING FOR BENEFICIAL PLANT-MICROBE INTERACTIONS
SESSION 8	MULTI-PARTITE INTERACTIONS
	Poster session
SESSION 9	MICROBIAL BIOCONTROL OF PESTS, PATHOGENS AND WEEDS
	miCROPe conference dinner

DAY 4 | 18 July 2024 | 9AM-2:30PM

SESSION10	APPLICATION OF SYNCOMS, NEW DELIVERY APPROACHES AND EMERGING TRENDS
SESSION 11	DATA SCIENCES AND MICROBIOME-BASED PRECISION APPROACHES
CLOSING LECTURE	JAN LEACH
	Awards & Closure