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POLISH MYCOLOGICAL SOCIETY





5th EDITION OF INTERNATIONAL CONFERENCE PLANT PRODUCTIVITY AND **FOOD SAFETY:**

MICROBIOLOGY, SOIL SCIENCE, FOOD QUALITY AND AGRICULTURAL GENETICS

23-24 June 2025

THE EVENT HELD IN CONJUNCTION WITH THE **ANNUAL MEETING OF** SUSTAIN COST ACTION 22144

SESSION I: PLANT-MICROORGANISMS INTERACTIONS IN AGRICULTURE AND ECOSYSTEM MANAGEMENT

SESSION II: PLANT METABOLISM AND SIGNALLING

SESSION III: SOIL THREATS AND SECURITY

SESSION IV: THE GLOBAL PROBLEM OF SALINITY -AN INTERDISCIPLINARY APPROACH

Keynote Lecturer Prof. David B. Collinge

Department of Plant and Environmental Sciences (PLEN), Faculty of Science, University of Copenhagen, Denmark **ON SITE ONLY**

Nicolaus Copernicus University in Toruń **Faculty of Biological and Veterinary Sciences Faculty of Earth Sciences and Spatial Management** Lwowska 1 Street, 87-100 Toruń www: https://soil-micro.umk.pl/pages/Konferencja_2025/







Sponsors









23th JUNE 2025







OBSIDIÁN | SUSTAIN |



FUNDACIA AKADEWA BIOLOGI I OCHRONY SRODOWISKA

| F | th Edition of International Conference PLANT PRODUCTIVITY AN ICROBIOLOGY, SOIL SCIENCE, FOOD QUALITY AND AGRICULTU | June 2025 | | |
|--|---|--|--|--|
| 7:15 - 12:00 | Registration | | | |
| 8:15 - 8:30 | Openinig the Conference | | | |
| 8:30 - 9:00 | Keynote Lecturer's speech <u>PROF. DAVID B. COLLINGE</u> (University of Copenhagen, Denmarl Presentation Title: "Fungal endophy | | | |
| * - OBSIDIAN Conference Participants can select and take part in parallel events | | | | |
| CONFERENCE OBSIDIAN 2025 | | COST SUSTAIN ANNUAL MEETING | | |
| | | Ice-Breaker Session SESSION CHAIRS: <u>KATALIN SOLYMOSI</u> (Eötvös Loránd University (ELTE), Hungary) / <u>LUÍSA CUSTÓDIO</u> (Centro de Ciências do Mar CCMAR, Portugal) (7:45 - 8:15) | | |
| in Agriculture (Lancaste <u>KATA</u> I | SESSION I * croorganisms Interactions and Ecosystem Management Session Chairs: <u>IAN DODD</u> r University, United Kingdom) RZYNA HRYNKIEWICZ emicus University in Toruń, Poland) | WORK GROUP 3 * (COST Action 22144) Total value of saline ecosystems and landscapes Session Chairs: <u>ZENEPE DAFKU</u> (Agricultural University of Tirana, Albania) (9:00 – 12:00) | | |
| 9:00 - 9:25 | IAN DODD (Lancaster University, United Kingdom) | | | |
| 9:25 - 9:30 | Q&A Panel | During this interactive session, we will explore valuation techniques for salt-affected lands with practical examples in selected countries. | | |
| SHORT PRESENTATION PANEL | | We will also conduct meta-analysis exercise showcasing economic potential of salt-affected land. | | |
| 9:30 - 9:45 | Lecture 1 | | | |
| 9:45 - 10:00 | Lecture 2 | | | |

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| | | | _ |
|---------------|----------------|--|---|
| 10:00 - 10:15 | Lecture 3 | | |
| 10:15 -10:30 | Lecture 4 | | |
| 10:30 - 10:45 | Lecture 5 | | |
| 10:45 - 11:00 | Discussion | | |
| 11:00 - 12:00 | Poster Session | | |
| 12:00 - 12:10 | Group Photo | | |
| 12:10 - 13:00 | Coffee Break | | |











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SESSION II *

Plant Metabolism and Signalling

Session Chairs: YONGHUA LI-BEISSON

(Environment, Bioenergy, Microalgae and Plants", CEA Cadarache, France)

AGNIESZKA ZIENKIEWICZ

(Centre for Interdisciplinary Technologies, Nicolaus Copernicus University in Toruń, Poland) WORK GROUP 4 & 5 * (COST Action 22144)

Knowledge sharing and stakeholders' engagement & Policy framework for the salinisation management

Session Chairs: HENRIK PER ARONSSON

(University of Gothenburg, Sweden)

VÍTOR JOÃO PEREIRA DOMINGUES MARTINHO

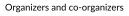
(Polytechnic Institute of Viseu, Portugal)

(13:00 - 16:00)

| 13:00 - 13:25 | <u>YONGHUA LI-BEISSON</u> (CEA Cadarache, France) | | |
|--------------------------|--|--|--|
| 13:25 - 13:30 | Q&A Panel | | |
| SHORT PRESENTATION PANEL | | | |

13:30 - 13:45Lecture 113:45 - 14:00Lecture 214:00 - 14:15Lecture 314:15 - 14:30Lecture 414:30 - 14:45Lecture 514:45 - 15:00Discussion15:00 - 16:00Poster Session

During this interactive session, we will address topics related to both stakeholder empowerment and governance. This group will discuss effective ways to engage various stakeholders via workshops, sustainable saline agriculture value chain to support national and international agricultural policies and future research agenda at local and international scale.



PAN

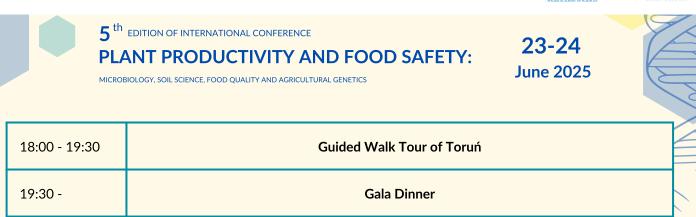












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SESSION IV*

The Global Problem of Salinity - An Interdisciplinary Approach

Session Chairs: <u>KATE NEGACZ</u> (Vrije Universiteit Amsterdam, Netherlands)

KATARZYNA HRYNKIEWICZ

(Nicolaus Copernicus University in Toruń, Poland)

WORK GROUP 1 * (COST Action 22144)

Soil and water salinity: physical and biochemical characteristics at different scales

Session Chairs: MICHAIL ORFANOUDAKIS

(Democritus University of Thrace, Greece)

(12:30 - 15:30)

| 12:30 - 12:55 | Kate Negacz (Virije Universiteit Amsterdam, Netherlands) | | | |
|--------------------------|---|--|--|--|
| 12:55 - 13:00 | Q&A Panel | | | |
| SHORT PRESENTATION PANEL | | | | |
| 13:00 - 13:15 | Lecture 1 | | | |
| 13:15 - 13:30 | Lecture 2 | | | |
| 13:30 - 13:45 | Lecture 3 | | | |
| 13:45 - 14:00 | Lecture 4 | | | |
| 14:00 - 14:15 | Lecture 5 | | | |
| 14:15 - 14:30 | Discussion | | | |
| 14:30 - 15:20 | Poster Session | | | |

During this interactive session, we will discuss the most promising technologies to monitor soil and water salinity and how they can be featured on open-access platforms. The group will also formulate preliminary guidelines on soil mapping to capture heterogeneity, sustainable agricultural practices and identifying gaps and new innovations/technologies.











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| 15:20 - 15:40 | Sponsorship presentations | |
|---------------|--|--|
| 15:40 - 16:00 | Closing Ceremony and Awarding | |
| 16:00 - 18:00 | Management Committee Meeting (COST Action 22144) | |











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200 zł Doctoral Students / Students

No Registration Fee

Yours Sincerely On behalf of the Conference Organising Committee, Katarzyna Hrynkiewicz