Poster Presentation

Auditorio Fernando Díaz Ramírez, Centro Universitario
Universidad Autónoma de Querétaro

Session 1: Ecology, biodiversity, and taxonomy

Keywords: species diversity; habitats/environments; fungal versatility

Poster 1. **Ales Eichmeier**
Mendel University in Brno, Czech Republic
Genome-informed reassessment of commercial Trichoderma biocontrol strains SC1 and I-1237

Poster 2 **Luzmaria Raquel Morales Cedeño**
Instituto de Investigaciones Químico-Biológicas. Universidad Michoacana de San Nicolás de Hidalgo, Mich. Mexico.
Molecular identification of Trichoderma species from diverse soils and crops in Michoacán and Guanajuato and their interactions with the biocontrol bacterium Rouxiella badensis SER3

Poster 3 **Deidra Yunuen Morales Cerrito**
Instituto Politécnico Nacional- UPIIG, Mexico
Isolation, molecular characterization, and biocontrol potential of Trichoderma spp. strains adapted to conservation soils

Poster 4 **Irving Hernández-Hernández**
Tecnológico Nacional de México/ITS de Ciudad Hidalgo, Hidalgo 61100, Mexico
Lineage-dependent antagonism of geothermal *Trichoderma* spp. from Los Azufres against soilborne pathogens of chili pepper

Session 2: Biology-omics

Keywords: fungal genomes; transcript-/proteo-/metabolomics

Poster 5 **Montserrat Rocha Salinas**
CINVESTAV, Guanajuato, Mexico
Design and Implementation of TrichoExpress: A Multi-Experiment R Package for *Trichoderma atroviride* Gene Expression Data

Poster 6 **Víctor Javier García Sánchez**
Universidad Autónoma de Querétaro, Mexico
Transcriptomic profiling of *Trichoderma atroviride* parasitizing the plant pathogen *Phytophtora capsici*

Poster 7 **Francesca Fanelli**
National Council of Research, Institute of Sciences of Food Production (CNR-ISPA), Italy
Metabolic profiling of pathogenic and non-pathogenic Trichoderma isolates inoculated on maize

Session 3: Physiology and development

Keywords: Functional gene/genome analysis; gene regulation; metabolism; signaling

Poster 8 **Melanie Lizbeth Ruvalcaba Villagrán**
CINVESTAV UGA-LANGEBIO
In silico characterization of auxin signaling components in Trichoderma atroviride

Session 4: Interaction with plants

Keywords: chemical communication; growth promotion; nutrient solubilization; elicitors; plant protection and crop resilience

Poster 9 **Mayra Santiago-Velasco**
Instituto Potosino de Investigación Científica y Tecnológica IPICYT, SLP, Mexico
A consortium of plant growth promoting bacteria and Trichoderma enhances plant growth promotion

Poster 10 **María de los Ángeles Bohórquez-Quintero**
Instituto Potosino de Investigación Científica y Tecnológica IPICYT, SLP, Mexico
Characterization of Growth and Defense Responses Induced by the *Trichoderma virens* Elicitor Sm1 in *Arabidopsis thaliana*

Poster 11 **Adrían Ávalos Rangel**
Universidad Michoacana de San Nicolás de Hidalgo, Mich, Mexico
Volatiles from *T. atroviride* promote growth and root branching in Arabidopsis via PEPR2 receptor

Session 5: Interaction with other organisms

Keywords: microbial communities; rhizosphere competence; synergism; antagonism; parasitism; insects; nematodes; bacteria

Poster 12 **Mónica Hernández Rodríguez**
Centro de Investigación en Química Aplicada, Coahuila, México.
Microbial coexistence: Attenuation mediated by volatile organic compounds emitted by *Bacillus subtilis* LPM1 and *Bacillus amyloliquefaciens* MHR24 in phytotoxicity induced by *Trichoderma atroviride* NI-1 in *Arabidopsis thaliana* Col-0.

Poster 13 **Paula Itzel Bautista-Ortega**
Tecnológico Nacional de México/ITS de Ciudad Hidalgo, Hidalgo 61100, Mexico
Culture conditions and microbial interactions shape VOC profiles and reveal 6-pentyl-α-pyrone and 2-oxindole as modulators of *Colletotrichum gloeosporioides* growth and pathogenicity

Session 6: Biotechnological applications

Keywords: bioactive metabolites; protein production; elicitors; bioremediation; inoculant production, new manipulation methods

Poster 14 **Emanuel Carrillo Torres**

Instituto Politécnico Nacional, IPN, Mexico

Green synthesis of zinc oxide nanoparticles with Trichoderma spp., and their evaluation as antifungal agent

Session 7: Trichoderma in action

Keywords: biocontrol, formulation; application methods; patenting; commercialisation; markets

Poster 15 **José Guadalupe Anguiano Aguilar**
Center for Scientific Research and Higher Education of Ensenada, Baja California (CICESE). Department of Microbiology. Ensenada, Baja California 22860, Mexico

Isolation of beneficial Trichoderma from grapevine wood compost for the biocontrol of grapevine trunk diseases