

## Poster Presentations



# Woody Roots IX

**3-5 June 2026**

**Como, Italy**

- Poster 1. **Ladislav Bakay, Ján Kollár, Miroslava Kačániová, Tomáš Knotek (Slovakian Agricultural University)** Occurrence of stem burls on london plane tree linked to root problems - 5 case studies from Slovakia
- Poster 2. **Maxi Bergmann, Awaz Mohamed, Jens Dyckmans, Boaz Hilman, Ina C. Meier (University of Hamburg)** Surplus C discharge by alternative root respiration responds to altered water levels in alluvial forests
- Poster 3. **Ewa Błońska, Adam Górski, Jarosław Lasota (University of Agriculture in Krakow)** Effects of simulated drought on C/N/P stoichiometry and lignin decomposition dynamics in the deadwood–soil system temperate forests
- Poster 4. **Jhonathan Ephrath, Xinze Xu, Ofer Ben-Tovim, Faina Khoroshevsky, Simon Barak, Naftali Lazarovitch (Ben-Gurion University of the Negev)** In situ Non-Destructive Imaging of Roots from GFP-Expressing Plants Using a Novel Fluorescence Minirhizotron with Automated Intensity Measurement and CNN-based TRL Estimation
- Poster 5. **Simone Gelsinari, Federico Preti, Sally Thompson, Daniele Penna (UniFI - Università di Firenze)** Unseen Conduits: Inferring Woody Root Function and Hydraulic Redistribution in a Groundwater-Dependent Woodland via Sap Flow Monitoring
- Poster 6. **Jarosław Lasota, Ewa Błońska, Jakub Krzaczkowski, Marzena Kaźmierczak, Anna Ilek (University of Agriculture in Krakow)** Assessing effects of tree root architectures on soil properties in uniform habitat conditions
- Poster 7. **Chiara Pezzuto, Alberto Danieli, Alex Ceriani, Peter Beatrice, Gabriella Sferra, Tsvetana Masante, Gabriella Stefania Scippa, Dalila Trupiano, Antonio Montagnoli (University of Molise)** Root functional traits driving the response of *Populus nigra* L. to combined heat and drought stress
- Poster 8. **Srijna Saxena, Alexandra Weigelt, Karl Andrzejek (Leipzig University)** Fine root traits and their plasticity mediate drought resistance and tolerance in herbaceous plant species
- Poster 9. **Liang Sun, Alexia Stokes, Kang Ji, Catherine Roumet, Florian Fort, Juan Zuo, Zhun Mao (Université de Montpellier)** Yielding is common in tensile-tested roots of herbaceous species: variation in yield strength and a candidate biomechanical indicator of root safety
- Poster 10. **Ján Kováč, Hana Húdoková, Alena Sliacka Konôpková, Veronika Uhrinová, Jaroslav Ďurkovič (Technical University in Zvolen)** Anatomy of Suberin Deposition Patterns in Fine Root Dormancy and Dieback
- Poster 11. **Katrin Pietig, Guntars O. Martinson, Erik A. Günther, Sandesh KC, Christian Ammer, Felix Heitkamp (Northwest German Forest Research**

**Institute)** Functional traits and decomposition dynamics of fine roots across four young and mature temperate forest species

Poster 12. **Alexandra Correia, Alexandra Nunes, António Galla, Joana Martins (INIAV - Instituto Nacional de Investigação Agrária e Veterinária, I.P.)** From Facilitation to Competition: Seasonal Shifts in Belowground Interactions Between Cork Oak and Stone Pine

Poster 13. **Douglas L. Godbold, Daria Ovsianikova, Peter Beatrice, Alex Ceriani, Moldir Zhumagulova, Zhaniya Baimurza, Kuralai Mussayeva, Raushan Ramazanova, Antonio Montagnoli, Boris Rewald, Burenjargal Otgonsuren (Mendel University in Brno)** Ectomycorrhizas and root biomass of *Picea schrenkiana* in the Tian Shan mountains of Kazakhstan (EuAsiaN-ROOT).

Poster 14. **Federico De Angelis, Veronica Giorgi, Letizia Olivieri, Enrico Maria Lodolini, Davide Neri (Polytechnic University of Marche)** Preliminary assessment of localized zeolite and chabazite layers on root growth dynamics and plant performance in kiwifruit rhizotrons

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Poster 17 **Batkhuu Nyam-Osor, Donato Chiatante, Ser-Oddamba Byambadorj, John A. Stanturf, Gabriella S. Scippa, Fabio Divino, Antonio Montagnoli, Enkhchimeg Tsedensodnom (National University of Mongolia)** A dendrometric approach for monitoring the growth and development patterns of both above- and belowground tree organs

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**(Botanical Garden and Research Institute of Mongolian Academy of Science)**

Integrated Approaches for Native Plant Restoration in Degraded Steppe and Gobi Ecosystems