

LS-8. Plant science and mycology

10 September, 16:45 - 18:45 / 11 September, 16:30 - 18:30

LS-8-P-1740

Immunofluorescence localization and tertiary structure modeling of Tobacco rattle virus PSG strain replicase in tobacco and pepper generative and vegetative organs.

Presenting author: **Otulak K.**

Authors: Otulak K., Koziel E., Garbaczewska G.

LS-8-P-1761

The level of branching activity: a critical parameter to promote the accumulation of starch-like glucans in a branching enzyme mutant of Arabidopsis complemented with the E. coli GlgB ortholog

Presenting author: **Lancelon-Pin C.**

Authors: Boyer L., Ndjindji O., Lancelon-Pin C., Wattebled F., Roussel X., D'Hulst C., Pontoire B., Putaux J. L.

LS-8-P-1836

Structure and functions of the glandular trichomes of the vegetative and reproductive organs in some Asteraceae species

Presenting author: **Muravnik L. E.**

Authors: Muravnik L. E., Kostina O. V.

LS-8-P-1837

Two different methods of fruit cell size measurements

Presenting author: **Pecinar I. M.**

Authors: Pecinar I. M., Pekić Quarrie S. V., Bertin N. I., Rancic D. V., Cheniclet C. I., Stikic R. I.

LS-8-P-1909

Determination of micro-mechanical properties of apple cells (*Malus domestica*) by means of bio-atomic force microscope (bio-AFM) and analysis of the multidimensional images

Presenting author: **Cardenas S.**

Authors: CARDENAS S., CHANONA J., MENDEZ J., CALDERON G., PEREA M., NERI E.

LS-8-P-1913

Ultrastructural changes in *Barbacenia purpurea* Hook. (VELLOZIACEAE) seedlings influenced by temperature

Presenting author: **Louro R. P.**

Authors: Louro R. P., Andrade I. F., Santiago L. M.

LS-8-P-1951

The diversity of the labellum and gynostemium trichomes in *Polystachya* Hook. (Orchidaceae)

Presenting author: **Narajczyk M.**

Authors: Narajczyk M., Łuszczek D., Kubiak J., Grochocka E.

LS-8-P-1964

Ultrastructure studies of *Polystachya vulcanica* (orchidaceae).

Presenting author: **Richert M.**

Authors: Richert M., Kubiak J., Narajczyk M., Mytnik-Ejsmont J.

LS-8-P-1992

VISUALIZING SYMBIOTIC INTERFACE BIOGENESIS IN LIVING ARBUSCULAR MYCORRHIZAS

Presenting author: **Genre A.**

Authors: Genre A., Chabaud M., Ivanov S., Russo G., Zarsky S., Bisseling T., Barker D., Bonfante P.

LS-8-P-2000

Imaging of vessel wall degradation by *Ophiostoma novo-ulmi* in micropropagated elms using AFM PeakForce quantitative nanomechanical mapping and SEM observations

Presenting author: **Ďurkovič J.**

Authors: Ďurkovič J., Mamoňová M., Lagaňa R., Kučerová V.

LS-8-P-2038

Fluorescence in situ hybridization (FISH) for the investigation of repetitive DNA sequences in lymegrass genome

Presenting author: **Anamthawat-Jonsson K.**

Authors: Anamthawat-Jonsson K.

LS-8-P-2043

Study of storage compounds in beech embryos during dormancy breaking

Presenting author: **Eliášová K.**

Authors: Eliášová K., Vondráková Z.

LS-8-P-2066

Identification of the genetic traits responsible for 'Stabilstroh' phenotype.

Presenting author: **Muszynska A.**

Authors: Muszynska A., Börner A., Melz G., Röder M. S., Rutten T., Hoffie K., Benecke M., Melzer M.

LS-8-P-2246

Effects of kojic acid on the cell wall of filamentous fungal *Curvularia pallescens*

Presenting author: **Farias L. S.**

Authors: Pereira J. L., Rodrigues A. D., Farias L. S., Santos A. S., Silva E. O.,

LS-8-P-2463

Visualization of silica phytoliths in *Sorghum bicolor* (L.) Moench. by fluorescence microscopy

Presenting author: **Soukup M.**

Authors: Soukup M., Cigáň M., Lux A.

LS-8-P-2514

RELIEF, SCHLIEREN AND PHASE-CONTRAST MICROSCOPY OF PLANTS: Label-free imaging and refractive index matching

Presenting author: **Pelc R.**

Authors: Pelc R., Hostounský Z., Kim C. S.

LS-8-P-2561

Effects on the morphology and ultrastructural organization of the red alga *Pterocliadiella capillacea* following exposure to ultraviolet radiation (UVA+UVB) and copper treatment

Presenting author: **Schmidt E. C.**

Authors: Schmidt E. C., Felix M., Kreuzsch M., Pereira D., Costa G., Simioni C., Chow F., Ramlov F., Maraschin M., Bouzon Z. L.

LS-8-P-2572

Leaf anatomy of *Suaeda edulis* and *Suaeda nigra* ; two halophytes with contrasting C3 and C4 metabolism from México.

Presenting author: **Zavaleta-Mancera H. A.**

Authors: Zavaleta-Mancera H. A., Noguez-Hernández R., Carballo-Carballo A.

LS-8-P-2646

Element Analysis by EDX in Aquatic Carnivorous Plants

Presenting author: **Adlassnig W.**

Authors: Koller-Peroutka M., Hefel B., Adlassnig W., Adamec L., Sassmann S., Lichtscheidl I. K.

LS-8-P-3048

White light confocal and Lambda square mapping: a doorway to understanding autofluorescence in phototrophic microorganisms

Presenting author: **Roldán M.**

Authors: Roldán M., Monteagudo J., Hernández-Mariné M.

LS-8-P-3175

Microscopic morphology of ascospore of thermotolerant yeast, UBU-strains

Presenting author: **Pukahuta C**

Authors: Pukahuta C , Kaewsai K , Ruamsook S N.

LS-8-P-3200

Cryofixation of *Candida albicans* Biofilms Ensures the Preservation of Its Extracellular Polymeric Matrix

Presenting author: **Fonseca B. B.**

Authors: Fonseca B. B., Vila T. V., Cunha M. M., De Souza W., Rozental S.

LS-8-P-3250

Unbiased estimation of selected mesophyll structural parameters of Norway spruce needles under ambient and elevated CO2 concentration

Presenting author: **Kubínová Z.**

Authors: Kubínová Z., Janáček J., Lhotáková Z., Kubínová L., Albrechtová J.

LS-8-P-3276

Ultrastructural studies of melanosomes and cell wall on the *Sporothrix schenckii* complex

Presenting author: **Cunha M. M.**

Authors: Cunha M. M., Santos L. P., Rozental S., Marco S., Lopes-Bezerra L. M.

LS-8-P-3283

Sun and shade chloroplast ultrastructure of Norway spruce needles 3D-visualized using dual-axis TEM tomography and serial sectioning

Presenting author: **Albrechtová J.**

Authors: Radochová B., Michálek J., Janáček J., Čapek M., Lhotáková Z., Bílý T., Nebesářová J., Kubínová L., Albrechtová J.

LS-8-P-3313

Ultrastructural characterization of *Sporothrix schenckii* complex species by scanning electron microscopy.

Presenting author: **Rozental S.**

Authors: Borba-Santos L. P., Fonseca B. B., Rozental S.

LS-8-P-3323

Comparative analysis of chloroplast organization and metabolism in the red macroalga *Gelidium floridanum* exposed to cadmium, copper and lead

Presenting author: **Bouzon Z. L.**

Authors: Bouzon Z. L., Santos R. W., Pereira D. T., Costa G. B., Simioni C., Chow F., Ramlov F., Maraschin M., Schmidt E. C.

LS-8-P-3486

Characterising mutants in root-to-shoot mobile silencing: peroxide regulates long-distance cell-to-cell spread

Presenting author: **White R. G.**

Authors: Liang D., Waterhouse P. M., , White R. G.

LS-8-P-3489

Short- and long-distance signal transmission – following tagged proteins and their mRNA across graft junctions in *Arabidopsis*

Presenting author: **White R. G.**

Authors: White R. G.

LS-8-P-3502

An extended analysis of the extracellular matrix of *Candida albicans* biofilms extracted during sample preparation process

Presenting author: **Vila T.**

Authors: Vila T., Fonseca B. B., dos Santos G. R., Bergter E. B., de Souza W., Rozental S.

LS-8-P-3534

Linking xylem anatomy and stem hydraulic conductivity with yield productivity in wheat

Presenting author: **Pecinar I.**

Authors: Rancic D., Pecinar I., Pekic Quarrie S., Bouche P., Morris H., Jansen S.

LS-8-P-5970

Callose deposition plays a crucial role in barley rhizodermis cell differentiation.

Presenting author: **Muszynska A.**

Authors: Marzec M., Muszynska A., Melzer M., Kurczynska E.

LS-8-P-5982

INSECT IDENTIFICATION (Trioza Rusellae Tuthill) IN LEAVES Brosimum alicastrum Swartz IN YUCATAN, MEXICO

Presenting author: **Andrade S.**

Authors: Andrade S., Ascencio A., Martín R., Tucuch J., Huchim E., Larqué A.