

## PLANT PHYSIOLOGICAL ECOLOGY

WEDNESDAY JULY 18, AFTERNOON

**20** N and P resorption in trees of different ecological groups of the Mexican tropical rain forest

**Martinez-Sanchez Jose Luis and Rivas Acuna Guadalupe**

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**102** Stem and leaf hydraulics of congeneric tree species from adjacent tropical savanna and forest habitats

**Hao Guang-You, Hoffmann William, Scholz Fabian, Bucci Sandra, Meinzer Frederick, Franco Augusto, Cao Kun-Fang and Goldstein Guillermo**

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**108** Are leaf and stem hydraulics determinants of dieback in tall *Sclerolobium paniculatum* savanna trees?

**Zhang Yongjiang, Hao Guangyou, Goldstein Guillermo, Scholz Fabian, Bucci Sandra, Meinzer Frederick**

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**122** Hydraulic Architecture and Reverse Sap Flow in dwarf *Rizophora mangle* plants

**Manzane Eric, Hao Guangyou, Zhang Yongjiang and Goldstein Guillermo**

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**200** Environmental controls over foliar nutrient concentrations in tropical rainforests

**Alvarez-Clare Silvia and Mack Michelle**

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**220** Characteristics and controlling factors of photosynthesis of *Camellia sinensis* leaves in rubber-tea community in Xishuangbanna

**Shen shougen and Zheng zheng**

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**275** Ecological interactions between columnar cacti and perennial plant along a stress gradient

**Ruiz Nunez Nadia del Carmen and Valiente Banuet Alfonso**

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**282** Diurnal variation of chlorophyll fluorescence in leaves of the "Bana" vegetation of the Amazon

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**388** Characteristics of plant photosynthesis, soil respiration and their effects on diurnal change of overstory carbon flux in a tropical rain forest in Xishuangbanna, Southwest China

**Zhang Yiping, Song Qinghai, Sha Liqing, Yu Guiru, Cao Min, Zheng Zheng, Wang Yuesi, Tang Jianwei, Zhao Shuangju and Wang Rui**

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456 Ecology and ecophysiology of tropical hemiepiphytes

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514 Comparison of physiological responses of deciduous and evergreen species in a tropical dry deciduous forest

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533 Transplant of palms xate (*Chamaedorea elegans* and *Chamaedorea ernesti-augustii*) in forests sucesional in Frontera Corozal, Chiapas.

**Gudino Gonzalez Whaleeha Abril and Martinez Ramos Miguel**

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552 Tropical legume seeds and seedlings: initial nitrogen allocation of Inga seedlings

**Palow Danielle**

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568 Soil quality and allometry in *Syagrus glaucescens* Becc., an endemic and threatened palm of the EspinhaCo Mountains, Brazil

**Miola Deise T. B., Fernandes G. Wilson and Silveira Fernando A. O.**

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574 Fluctuating asymmetry on leaves of *Calotropis procera*

**Bastille-Rousseau Guillaume, Almeida-Cortez Jarcilene S., Trevelin Erica, Fernandes G. Wilson and Silveira Fernando A. O.**

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594 Demographic performance of the clonal understory herb *Calathea marantifolia* (Marantaceae) in different light environments

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603 Inter-specific variation in plant functional traits in response to a resource gradient in secondary tropical forests La Selva Lacandona, in Chiapas

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629 Effects of dehydration/hydration periods on germination of *Ipomoea wolcottiana* tree (Convolvulaceae) in a Mexican tropical dry forest.

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637 Temperature and light effects on seed germination of endemic Asteraceae species from rupestrian fields

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**664** Understorey light availability and variation influences seedling response in disturbed montane forests

**Mendez-Dewar Guadalupe, Gonzalez-Espinosa Mario and Equihua Zamora Miguel**  
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**632** Influence of habitat characteristics on *Annona glabra* in South Florida

**Ervin Jenna, Ortiz Amy, Plank Jessoca, Caughlin Trevor and Wheeler Jessica**  
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**529** Divergences in the plastic response to water level between dry and humid habitat species of a tropical dry forest

**Pineda-Garcia Fernando and Paz Horacio**  
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**39** What's in Droseras' diet?

**Canales Keren and Davila Eva**  
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**464** Functional analysis of palm allometry: do morphological constraints determine palm distribution across light environments?

**Avalos Gerardo, Gei Maria Gabriela, Fernandez Mauricio, Sylvester Olivia, Rojas Gustavo and Poirer Katie**  
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**695** Ontogenetic plasticity of biomass allocation in response to above- and below-ground resource availability in perennial shrubs: A case study of two species that differ in ecological breadth

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