

DOCTORADO EN CIENCIAS AGROALIMENTARIAS

Italo Cuneo Arratia

Publicaciones (2013-presente)

1. Knipfer T, F Barrios-Masias, IF Cuneo, M Bouda, P Albuquerque, C Brodersen, DA Kluepfel & AJ McElrone (2018) Variations in xylem embolism susceptibility under drought between intact saplings of three walnut species. *Tree Physiology*, 38, 1180-1192.
2. Caceres-Mella A, C Ribalta-Pizarro, L Villalobos-González, IF Cuneo & C Pastenes (2018) Controlled water deficit modifies the phenolic composition and sensory properties in Cabernet Sauvignon wines. *Scientia Horticulturae*, 237, 105-111.
3. Cuneo IF, T Knipfer, P Mandal, C Brodersen & A McElrone (2018) Water uptake can occur through woody portions of roots and facilitates localized embolism repair in grapevine. *New Phytologist*, 218, 506-516.
4. Knipfer T, IF Cuneo, J Mason, C Reyes, C Brodersen & A McElrone (2017) Storage compartments for capillary water rarely refill in an intact woody plant. *Plant Physiology*, 175, 1649-1660.
5. Cuneo IF, T Knipfer, C Brodersen & A McElrone (2016) Mechanical failure of fine root cortical cells initiates plant hydraulic decline during drought. *Plant Physiology*, 172, 1669-1678.
6. Knipfer T, IF Cuneo, C Brodersen & A McElrone (2016) In situ visualization of the dynamics in xylem embolism formation and removal in the absence of root pressure: A study on excised grapevine stems. *Plant Physiology*, 171, 1024-1036.

Proyectos con financiamiento externo (2013-presente)

1. Understanding how drought stress affects water uptake capacity at different developmental zones along the length of grapevine fine roots.
Financiamiento: Fondecyt Iniciación N° 11180102
Rol: Investigador Responsable
Duración: 2018-2021
Año adjudicación: 2018
Tipo de investigación: Básica
2. CO-I "Phenological and Social Impacts of Temperature Increase - A Case Study of Two countries (PASIT)"
Financiamiento: Federal Ministry of Education and Research (BMBF)

FACULTAD DE
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