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I. PUBLICACIONES (2015 – presente)

Publicaciones en revistas indexadas (ISI)

1. Neaman A, Pensini P, Zabel S, Otto S, Ermakov D, Dovletyarova E, Burnham E, **Castro M**, Navarro-Villarreal C (2022) The Prosocial Driver of Ecological Behavior: The Need for an Integrated Approach to Prosocial and Environmental Education. ***Sustainability (Switzerland)*** 14(7); doi: 10.3390/su14074202
2. Neaman A, Díaz-Sieffer P, Burnham E, Casto M, Zabel S, Dovletyarova E, Navarro-Villarreal C, Otto S (2021). Catholic religious identity, prosocial and pro-environmental behaviors, and connectedness to nature in Chile. ***GAIA*** 30(1); doi: 10.14512/GAIA.30.1.9
3. Balada C, **Castro M**, Fassio C, Zamora A, Marchant M, Acevedo W, Guzmán L (2021). Genetic diversity and biological activity of *Curcuma longa* ecotypes from Rapa Nui using molecular markers. ***Saudi Journal of Biological Sciences*** 28(1); doi: 10.1016/j.sjbs.2020.10.062
4. Marchant M, Molina P, Montecinos M, Guzmán L, Balada C, Fassio C, **Castro M** (2021). In vitro propagation of easter island curcuma longa from rhizome explants using temporary immersion system. ***Agronomy***, 11(11); doi: 10.3390/agronomy11112121
5. Fassio C, Cautin R, Perez-Donoso A, **Castro M**, Bonomelli C (2020). Análisis comparativo del orden de ramificación y la anatomía de raíces de paltos (*Persea americana* Mill.) propagados en forma clonal y por semilla. ***International Journal of Agriculture and Natural Resources*** 47(2); doi: 10.7764/ijanr.v47i2.2240
6. Cristina G, Camelin E, Ottone C, Fraterrigo S, Jorquera L, **Castro M**, Fino D, Schiappacasse M, Tommasi T (2020). Recovery of humic acids from anaerobic sewage sludge: Extraction, characterization and encapsulation in

alginate beads. *International Journal of Biological Macromolecules* 164; doi: 10.1016/j.ijbiomac.2020.07.097

7. Guajardo J, Saa S, Riquelme N, Browne G, Youlton C, Castro M, **Besoain X** (2019) Characterization of oomycete species associated with root and crown rot of english walnut in Chile. *Plant Disease* 103(4); dpo: 10.1094/PDIS-07-18-1160-RE
8. Guajardo J, Saa S, Riquelme N, Browne G, Youlton C, **M Castro** & Besoain X (2018) Characterization of Oomycete Species Associated With Root and Crown Rot of English Walnut in Chile. *Plant Disease* 103; doi: 10.1094/PDIS-07-18-1160-RE.
9. Valdebenito D, Farías D, Oyanedel E, **M Castro**, Lampinen B, Tixier A & Saa S (2017) The morphology of a Walnut (*Juglans regia* L.) shoot is affected by its position in the canopy and correlated to the number and size of its fruits. *Scientia Horticulturae* 220, 303-309; doi: 10.1016/j.scienta.2017.03.046.
10. Gálvez-Cendegui L, Peñaloza P, & Oyanedel E & **M Castro** (2017) Storage, size and vigor of 'Esther' avocado seeds (*Persea americana* Mill.). *Ciencia e investigación agraria* 44, 1-6; doi: 10.7764/rcia.v44i1.1641.
11. Bugueño F, N Livellara, F Varas, P Undurraga, **M Castro** & E Salgado (2016) Responses of young *Punica granatum* plants under four different water regimes. *Ciencia e Investigación Agraria* 43: 49-56; doi: 10.4067/S0718-16202016000100005.
12. Fassio C, R Cautin, A Perez-Donoso, C Bonomelli & **M Castro** (2016) Propagation techniques and grafting modify the morphological traits of roots and biomass allocation in avocado trees. *HortTechnology* 26: 63 -69.
13. Galvez-Cendegui L, P Peñaloza, E Oyanedel & **M Castro** (2016) Characterization of avocado nurse seed size and seedling development in CV. Esther. *Revista Fitotecnia Mexicana* 39: 79-85.
14. Bugueño F, N Livellara, F Varas, P Undurraga, **M Castro** & E Salgado (2016) Responses of young *Punica granatum* plants under four different water regimes. *Ciencia e Investigación Agraria* 43:49-56; doi: 10.4067/S0718-16202016000100005.
15. Estay C, R Cautín, A Neaman & **M Castro** (2016) Clonal propagation of the avocado: effects of the rooting step on graft union formation and development. *Ciencia e Investigación Agraria* 43: doi: 10.4067/S0718-16202016000200006.
16. **Castro M**, C Fassio, R Cautín & J Ampuero (2015) UCV7, portainjerto de

aguacate tolerante a la salinidad. *Revista Fitotecnia Mexicana* 38: 85-92

II. EXPERIENCIA EN PROYECTOS DE INVESTIGACION (2015 – presente)

Proyectos con fondos concursables

2015 – (2017) IR FONDEF ID15I10031. Programa de propagación masiva para el desarrollo sustentable de especies medicinales en Isla de Pascua.