

DOCTORADO EN CIENCIAS AGROALIMENTARIAS

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Publicaciones (2019 – presente)

1. Santa-Cruz, J., Robinson, B., Krutyakov, Y.A., Shapoval, O.A., **Peñaloza, P.**, Yáñez, C., Neaman, A. 2023. An assessment of the feasibility of phytoextraction for the stripping of bioavailable metals from contaminated soils. *Environmental Toxicology and Chemistry*, 42: 558–565. Q2.
2. Carmach, C., Castro, M., **Peñaloza, P.**, Guzmán, L., Marchant, M.J., Valdebenito, S., Kopaitic, I. 2023. Positive Effect of Green Photo-Selective Filter on Graft Union Formation in Tomatoes. *Plants*, 12: 3402. Q1.
3. Neaman, A., Zakhariikhina, L.V., Navarro-Villarroel, C., **Peñaloza, P.**, Dovletyarova, E.A. 2023. Choose your procedure wisely: removal of outliers is inappropriate for estimating background concentrations of trace elements in soil. *Environmental Toxicology and Chemistry*, 42: 555–557. Q2.
4. Guerra, F., **Peñaloza, P.**, Vidal, A., Cautín, R., Castro, M. 2022. Seed maturity and its in vitro initiation of chilean endemic geophyte *Alstroemeria pelegrina* L. *Horticulturae*, 8: 464. Q1.
5. Santa Cruz, J., Vasenev, I., Gaete, H., **Peñaloza, P.**, Krutyakov, A., Neaman, A. 2021. Metal Ecotoxicity Studies with Artificially Contaminated versus Anthropogenically Contaminated Soils: Literature Review, Methodological Pitfalls and Research Priorities. *Russian Journal of Ecology*, 52(6): 478-484. Q4.
6. Santa Cruz, J., González, D., Valdebenito, S., **Peñaloza, P.** 2021. *Salvia guaranitica* A. St. -Hil. ex Benth. (Lamiaceae): a new record for the alien flora of Chile. *Gayana Botanica*. Q4.
7. Soto, F., **Peñaloza, P.**, Oyanedel, E., Schiappacasse, F., Duran, O., Vidal, A. 2021. Germination and development of M1 seedlings of two *Selliera radicans* Cav. accessions subjected to gamma radiation. *Revista de la Facultad de Ciencias Agrarias*, 53(2): 36-46. Q3.
8. Stuckey, J.W., Neaman, A., Verdejo, J., Navarro-Villarroel, C., **Peñaloza, P.**, Dovletyarova, E.A. 2021. Zinc Alleviates Copper Toxicity to Lettuce and Oat in Copper-Contaminated Soils. *Journal of Soil Science and Plant Nutrition*. Q1.
9. González-Miranda, I., Vidal, K., **Peñaloza, P.** 2021. Comparing nitrate leaching in lettuce crops cultivated under agroecological, transition, and conventional agriculture management in central Chile. *Chilean Journal of Agricultural Research*. Q2.
10. Prudnikova, E.V., Neaman, A., Terekhova, V.A.; Karpukhin, M.M., Vorobeichik, E.L., Smorkalov, I.A., Dovletyarova, E.A., Navarro-Villarroel, C., Ginocchio, R., **Peñaloza, P.** 2020. Root Elongation Method for the Quality Assessment of Metal-Polluted Soils: Whole Soil or Soil-Water Extract? *Journal of Soil Science and Plant Nutrition*. Q1.

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11. Pezo, C., Valdevenito, S., Flores, M.F., Oyanedel, E., Vidal, K., Neaman, A., **Peñaloza, P.** 2020. Impact of Mother Plant Saline Stress on the Agronomical Quality of Papper Seeds. Journal of Soil Science and Plant Nutrition. Q1.
12. De la Cuadra, C., Vidal, A., Lagomarsino, F., **Peñaloza, P.**, Mansur, L., Huenchuleo, C. 2019. Effect of temperature and scarification on seed germination of Conanthera spp. (Tecophilaeaceae). Chilean Journal of Agricultural Research. Q2.

Proyectos con financiamiento externo últimos 5 años (adjudicado y/o ejecutado)

1. Potential alleviation of copper toxicity in contaminated agricultural soils in central Chile by calcium, magnesium, and zinc amendments.
Financiamiento: Fondecyt
Rol: Co-investigador
Duración: 2020-2023
Año adjudicación: 2020
2. Use of irradiation and isotopic techniques to improve native and agricultural plant genetics.
Financiamiento: Organismo Internacional de Energía Atómica (OIEA) de Naciones Unidas.
Rol: Investigador
Duración: 2021-2023
Año adjudicación: 2020
3. Strengthening the National Cooperation Network in the Use of Nuclear Techniques in Plant Breeding Programmes
Financiamiento: Organismo Internacional de Energía Atómica (OIEA) de Naciones Unidas.
Rol: Director, investigador
Duración: 2024-2027
Año adjudicación: 2023