

Publicaciones WoS (ISI) Doctorado en Ciencias de Recursos Naturales

Año: 2023 (Actualizado en Agosto 2023)

Publicaciones Totales: 87

Publicaciones Alumnos de Doctorado: 26

Publicaciones con investigadores extranjeros: 59

1. Pino J, **Godoy R**, Venthur H, Larama G, Quiroz A, Mutis A. 2023. Identification and Ligand Binding of a Chemosensory Protein from Sea Louse *Caligus rogercresseyi* (Crustacea: Copepoda). *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*, 265.
Impact Factor: 2.888
DOI: <https://doi.org/10.1016/j.cbpb.2023.110830>.
Quartile: 3
Editorial: Elsevier Science BV, Netherlands
ISSN: 1096-4959.
2. Chávez D, Rivas G, **Machuca Á**, Santos C, Deramond C, Aroca R, Cornejo P. 2023. Contribution of Arbuscular Mycorrhizal and Endophytic Fungi to Drought Tolerance in *Araucaria araucana* Seedlings. *Plants-Basel*, 12(11), 2116.
Impact Factor: 4.658
DOI: <https://doi.org/10.3390/plants12112116>
Quartile: 1
Editorial: MDPI
ISSN: 2223-7747
3. González F, **Santander C**, Ruiz A, Pérez R, Moreira J, Vidal G, Aroca R, Santos C, Cornejo P. 2023. Inoculation with Actinobacteria spp. Isolated from a Hyper-arid Environment Enhances Tolerance to Salinity in Lettuce Plants (*Lactuca sativa* L.). *Plants-Basel*, 12(10), 2018.
Impact Factor: 4.658
DOI: <https://doi.org/10.3390/plants12102018>
Quartile: 1
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4. de Souza Rabello VB, Corrêa-Moreira D, Santos C, Abreu Pinto TC, Procopio-Azevedo AC, Boechat J, Coelho RA, Almeida-Paes R, Costa G, Lima N, Zancopé-Oliveira RM, Oliveira MME. 2023. Preservation Methods in Isolates of *Sporothrix* Characterized by Polyphasic Approach. *Journal of Fungi*, 9(1), 34.
Impact Factor: 5.724
DOI: <https://doi.org/10.3390/jof9010034>
Quartile: 1
Editorial: MDPI
ISSN: 2309-608X

5. Jofré-Fernández I, Matus-Baeza FJ, Merino-Guzmán C. 2023. White-Rot Fungi Scavenge Reactive Oxygen Species, Which Drives pH-Dependent Exo-Enzymatic Mechanisms and Promotes CO₂ Efflux. *Frontiers in Microbiology*, 14:1148750.
Impact Factor: 6.064
DOI: <https://doi.org/10.3389/fmicb.2023.1148750>
Quartile: 1
Editorial: Frontiers Media SA, Switzerland
ISSN: 1664-302X
6. Rivas Y, **Aponte H**, Rivera-Salazar D, Matus F, Martínez O, Encina C, Retamal-Salgado J. 2023. Microbial Community and Enzyme Activity of Forest Plantation, Natural Forests, and Agricultural Land in Chilean Coastal Cordillera Soils. *Forests*, 14(5), 938.
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DOI: <https://doi.org/10.3390/f14050938>
Quartile: 1
Editorial: MDPI
ISSN: 1999-4907
7. Matus F, Mendoza D, **Nájera F**, Merino M, Kuzyakov Y, Wilhelm K, Boy J, Aburto F, Jofré I, Dippold MA. 2023. Freezing–Thawing Cycles Affect Organic Matter Decomposition in Periglacial Maritime Antarctic Soils. *Biogeochemistry*, 163, 311–325.
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Editorial: Springer Publishing
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8. Pradel P, Bravo L, Merino C, Trefault N, Rodríguez R, Knicker H, Jara C, Lara G, Matus F. 2023. Microbial Response to Warming and Cellulose Addition in a Maritime Antarctic Soil. *Permafrost and Periglacial Processes*, 34, 370–383.
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Quartile: 1
Editorial: John Wiley & Sons Ltd
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9. Erazo-Mora K, Montalván-Burbano N, Aburto F, Matus-Baeza F, Jofré-Fernández I, Durán-Cuevas P, Dörner J, Dippold MA, Merino-Guzmán C. 2023. Four Decades in Fires Research - A Bibliometric Analysis About the Impact on Mineralogy and Nutrients. *Catena*, 226.
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10. Vera J, Herrera W, Herмосilla E, Díaz M, Parada J, Seabra AB, Tortella G, Pesenti H, Ciudad G, Rubilar O. 2023. Antioxidant Activity as an Indicator of the Efficiency of Plant Extract-Mediated Synthesis of Zinc Oxide Nanoparticles. *Antioxidants*, 12(4), 784.
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11. Aranda C, Méndez I, Barra PJ, Hernández-Montiel L, Fallard A, Tortella G, Briones E, Durán P. 2023. Melanin Induction Restores the Pathogenicity of *Gaeumannomyces graminis* var. *tritici* in Wheat Plants. *Journal of Fungi*, 9(3), 350.
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13. Cuozzo S, De Moreno De Leblanc A, Le Blanc J, Hoffmann N, Tortella G. 2023. *Streptomyces* Genus as a Source of Probiotics and Its Potential for Its Use in Health. *Microbiological Research*, 266.
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Quartile: 2
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14. Garza-Alonso CA, Juárez-Maldonado A, González-Morales S, Cabrera-De la Fuente M, Cadenas-Pliego G, Morales-Díaz AB, Trejo-Téllez LI, Tortella G, Benavides-Mendoza A. 2023. ZnO Nanoparticles as Potential Fertilizer and Biostimulant for Lettuce. *Heliyon*, 9, e12787.
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15. Tortella G, Rubilar O, Pieretti J, Fincheira P, De Melo Santana B, Fernandez M, Benavide-Mendoza A, Seabra A. 2023. Nanoparticles as a Promising Strategy to Mitigate Biotic Stress in Agriculture. *Antibiotics*, 12(2), 338.
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16. Hermosilla E, Diaz M, Vera J, Contreras M, Leal K, Salazar R, Barrientos L, Tortella G, Rubilar O. 2023. Synthesis of Antimicrobial Chitosan-Silver Nanoparticles Mediated by Reusable Chitosan-Fungal Beads. *Antibiotics*, 12(3), 2318.
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17. Serrano A, Diaz-Navarrete P, Mora R, Ciudad G, Ortega J, Pinto-Ibieta F. 2023. Acid Hydrothermal Amendment of Grape Wine Pomace: Enhancement of Phenol and Carbohydrate Co-solubilization. *Agronomy*, 13(6), 1501.
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DOI: <https://doi.org/10.3390/agronomy13061501>
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Editorial: MDPI
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18. Araneda M, Pinto-Ibieta F, Xu X, Rubilar O, Feroso F, Ciudad G. 2023. Aquaculture Sludge as Co-substrate for Sustainable Olive Mill Solid Waste Pre-treatment by *Anthracophyllum discolor*. *Agronomy*, 13(3), 724.
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19. Lefin N, Miranda J, Beltrán JF, Herrera L, Effer B, Pessoa A, Farias JG, Zamorano M. 2023. Current State of Molecular and Metabolic Strategies for the Improvement of L-Asparaginase Expression in Heterologous Systems. *Frontiers in Pharmacology*, 14.
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21. Nojszewska N, Idilli O, Sarkar D, Ahouiyek Z, Arroyo-Berdugo Y, Sandoval C, Amin-Anjum MS, Bowers S, Greaves D, Saeed L, Khan M, Salti S, Al-Shami S, Topoglu H, Punzalan JK, Farias JG, Calle Y. 2023. Bone Marrow Mesenchymal/Fibroblastic Stromal Cells Induce a Distinctive EMT-Like Phenotype in AML Cells. *European Journal of Cell Biology*, 102, 151334.
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22. Pérez-Atehortúa M, Hernández AJ, Dantagnan P, Silva M, Risopatrón J, Farías J, Figueroa Villalobos E, Valdebenito I. 2023. Chorion in Fish: Synthesis, Functions, and Factors Associated with Its Malformations. *Aquaculture Reports*, 30, 101590.
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25. Tosta-Pérez M, Herrera-Belén L, Letelier P, Calle Y, Pessoa A, Farías JG. 2023. L-Asparaginase as the Gold Standard in the Treatment of Acute Lymphoblastic Leukemia: A Comprehensive Review. *Medical Oncology*, 40, 150.
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26. Beltrán JF, Yañez A, Herrera-Belén L, Parraguez F, Blanco J, Flores-Martin S, Zamorano M, Farias JG. 2023. Antibiotic Discovery Against *Piscirickettsia salmonis* Using a Combined In Silico and In Vitro Approach. *Microbial Pathogenesis*, 180, 106122.
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27. Ibañez E, Farias JG, Valdebenito I. 2023. Use of Antioxidants and Time of Cold Storage: Effects over Viability Parameters and Enzymatic Levels in Semen of Rainbow Trout (*Oncorhynchus mykiss*, Walbaum, 1792). *Brazilian Journal of Biology*, 83.
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29. Palma G, Spuler MJ, Jorquera M, Briceño G. 2023. Effects of the Combined Application of Nitrogen Fertilizer and 2,4-D on Nitrification Ammonia Oxidizers and Herbicide Bioavailability in a Volcanic Soil: A Microcosm Study. *Journal of Soil Science and Plant Nutrition*, 23, 4309–4317.
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Editorial: Springer Publishing
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30. Acuña JJ, **Rilling JI**, Inostroza NG, Manquian J, Zhang Q, Gupta V, Jorquera MA. 2023. Diversity, Community Structure, and Potential Functions of Root-Associated Bacterial Communities of Different Wheat (*Triticum aestivum*) Cultivars Under Field Conditions. *Agronomy*, 13(5), 1392.
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34. Xiao R, Kuang B, Wang C, Bai J, Zhang L, Wei Z, Zhang K, Jorquera M, Campos M. 2023. Ecological Risk Assessment of Glyphosate and Its Possible Effect on Bacterial Community in Surface Sediments of a Typical Shallow Lake, Northern China. *Ecotoxicology and Environmental Safety*. 249, 114445.
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