

Líneas de investigación	Artículos Asociados a la línea (2013-2017)
Biología y Biotecnología de Biorecursos	<ol style="list-style-type: none"> <li>1. Acevedo F, Villegas P, Urtuvia V, Hermosilla J, Navia R, Seeger M. Bacterial polyhydroxybutyrate for electrospun fiber production. <i>Int J Biol Macromol.</i> 2017 Aug 16. pii: S0141-8130(17)31411-3. doi: 10.1016/j.ijbiomac.2017.08.066. [Epub ahead of print].</li> <li>2. Francisca Acevedo et al. Volatile and non-volatile/semi-volatile compounds and in vitro bioactive properties of Chilean Ulmo (<i>Eucryphiacordifolia</i> Cav.) honey. <i>FOOD RESEARCH INTERNATIONAL.</i> Volumen: 94 Páginas: 20-28 Fecha de publicación: APR 2017. Factor impacto: 3.182</li> <li>3. Francisca Acevedo et al. Highly efficient encapsulation of linseed oil into alginate/lupin protein beads: Optimization of the emulsion formulation. <i>FOOD HYDROCOLLOIDS</i> Volumen: 63 Páginas: 139-148 Fecha de publicación: FEB 2017. Factor impacto: 3.858.</li> <li>4. Furriánca F, Alvear M, Zambrano T, Fajardo V, Salazar LA. Hypoglycemic effect of <i>Berberis microphylla</i> G Forst root extract. <i>Tropical Journal of Pharmaceutical Research</i> 16(9):2179-2184. Factor de Impacto: 0.569.</li> <li>5. Sanhueza, C., V. Vallejos, L.A. Cavieres, P. Saez, L.A. Bravo &amp; L.J. Corcuera (2017) Growing temperature affects seed germination of the antarctic plant <i>Colobanthus quitensis</i> (Kunth) Bartl (Caryophyllaceae). <i>Polar Biology</i> 40:449-455. Impact Factor: 1,949. DOI: 10.1007/s00300-016-1972-4. Quartile: 2. Editorial: Springer, USA. ISSN: 0722-4060.</li> <li>6. Héctor Herrera, Rafael Valadares, Domingo Contreras, Yoav Bashan &amp; Cesar Arriagada. 2017. Mycorrhizal compatibility and symbiotic seed germination of orchids from the Coastal Range and Andes in south central Chile. <i>Mycorrhiza.</i> 27:175–188. (ISI. Impact Factor: 3.047).</li> <li>7. Rabert C., Reyes-Díaz M. Corcuera L.J., Bravo L.A. Alberdi M. (2017) Contrasting nitrogen use efficiency of Antarctic vascular plants may explain their population expansion in Antarctica. <i>Polar Biology</i> Impact Factor: 1,949. DOI: 10.1007_s00300-017-2079-2. Quartile: 2. Editorial: Springer, USA. ISSN: 0722-4060.</li> <li>8. Sáez P.L., Bravo L.A., Cavieres L.A. Vallejos V., Sanhueza C., Font-Carrascosa M. Gil-Pelegrin E., Peguero Pina J.J. and Galmés J. (2017) Photosynthetic limitations in two Antarctic vascular plants: importance of leaf anatomical traits and Rubisco kinetic parameters. <i>Journal of Experimental Botany</i> doi:10.1093/jxb/erx148. Impact Factor: 5,830; quartil: 1, Editorial: Oxford Univ Press. ISSN: 0022-0957.</li> <li>9. Claudio Lamilla, Mónica Pavez, Andrés Santos, Andrea Hermosilla, Vicente Llanquino, Leticia Barrientos. 2017. Bioprospecting for extracellular enzymes from culturable Actinobacteria from the South Shetlands Islands, Antarctic. <i>Polar Biology</i> 40(3): 719-726.</li> <li>10. Andrés Santos, Claudia Troncoso, Claudio Lamilla, Vicente Llanquino, Mónica Pavez &amp; Leticia Barrientos. 2017. Nanopartículas sintetizadas por bacterias antárticas y sus posibles mecanismos de síntesis. <i>International Journal of Morphology</i> 35(1):26-33.</li> <li>11. Claudia Troncoso, Andrés Santos, Mónica Pavez, Rodrigo Salazar &amp; Leticia Barrientos. 2017. Implicancias estructurales y fisiológicas de la célula bacteriana en los mecanismos de resistencia antibiótica. <i>International Journal of Morphology</i> 35(4). Aceptada.</li> </ol>

12. Farías JG, Molina VM, Carrasco RA, Zepeda AB, Figueroa E, Letelier P and Castillo RL. 2017. Antioxidant Therapeutics Strategies for Cardiovascular conditions Associated with Oxidative Stress. *Nutrients*. Impact Factor: 3.550. DOI: 10.3390/nu9090966.
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14. Farías JG, Carrasco-Pozo C., Sepúlveda N, Alvarez P, Quezada M, Quiñones J, Molina V and Castillo RL. 2017. Polyunsaturated fatty acid induces cardioprotection against ischemia-reperfusion through the inhibition of NF-kappaB and induction of Nrf2. *Experimental Biology and Medicine*. Impact Factor: 2.688. DOI: 10.1177/1535370216649263.
15. Marysol Alvear et al. beta-Ionone as putative semiochemical suggested by ligand binding on an odorant-binding protein of *Hylamorphaelegans* and electroantennographic recordings *ENTOMOLOGICAL SCIENCE* Volumen: 19 Número: 3 Páginas: 188-200 Fecha de publicación: JUL 2016
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18. León Bravo et al. Two Hymenophyllaceae species from contrasting natural environments exhibit a homoiochlorophyllous strategy in response to desiccation stress. *JOURNAL OF PLANT PHYSIOLOGY* Volumen: 191 Páginas: 82-94 Fecha de publicación: FEB 1 2016
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20. Fuentes A, Ortiz J, Saavedra N, Salazar LA, Meneses C, Arriagada C. Reference gene selection for quantitative real-time PCR in *Solanum lycopersicum* L. inoculated with the mycorrhizal fungus *Rhizophagus irregularis*. *Plant Physiol Biochem*. 2016 Apr; 101:124-31. doi: 10.1016/j.plaphy.2016.01.022. IF: 2.928, Q1
21. Alejandra Fuentes, Leonardo Almonacid, Juan Antonio Ocampo and Cesar Arriagada\*. 2016. Synergistic interactions between a saprophytic fungal consortium and *Rhizophagus irregularis* alleviate oxidative stress in plants grown in heavy metal contaminated soil. *Plant and Soil*. Volume 407, Issue 1, pp 355–366. (ISI. Impact Factor: 2.952).
22. Inostroza-Blancheteau C, Acevedo P, Loyola R, Arce-Johnson P, Alberdi M, Reyes-Díaz M. Short-term UV-B radiation affects photosynthetic performance and antioxidant gene expression in highbush blueberry leaves *PLANT PHYSIOLOGY AND BIOCHEMISTRY* Volumen: 107 Páginas: 301-309 Fecha de publicación: OCT 2016.
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26. Millao, S. & Uquiche, E. (2016). Antioxidant activity of supercritical extracts from Nannochloropsis gaditana: Correlation with its content of carotenoids and tocopherols. The Journal of Supercritical Fluids, 111, 143-150. Impact Factor: 2.371
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33. Christian Salas, Pablo J. Donoso, Rodrigo Vargas, Cesar A. Arriagada, Rodrigo Pedraza, and Daniel P. Soto. 2016 The Forest Sector in Chile: An Overview and Current Challenges. Journal of Forestry. doi: <http://dx.doi.org/10.5849/jof.14-062> (ISI. Impact Factor: 2.000)
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**Nota: Aquellas publicaciones en las que participa más de un académico del Programa, se incluyeron una sola vez.**