

Publicaciones WoS (ISI) Doctorado en Ciencias de Recursos Naturales

Año: 2020

Publicaciones Totales: 124

Publicaciones Alumnos de Doctorado: 40

Publicaciones con investigadores extranjeros: 88

1. Pereira G, Herrera H, Arriagada C, Cid H, Garcia J, Atala C. 2020. Controlled mycorrization of the endemic chilean orchid *Chloraea gavilu* (orchidaceae). *Plant biosystems*. 155:848-855.
Impact Factor: 1.781
DOI: 10.1080/11263504.2020.1801875
Quartile: Q3
Editorial: Taylor & Francis Ltd, England
ISSN: 1724-5575
2. Herrera H, Sanhueza T, Martiarena R, Fuentes D, Valadares R, Arriagada C. 2020. Mycorrhizal fungi isolated from native terrestrial orchids from region of la araucanía, southern chile. *Microorganisms*. 8:1120.
Impact Factor: 4.926
DOI: 10.3390/microorganisms8081120
Quartile: 2
Editorial: MDPI AG, Switzerland
ISSN: 2076-2607
3. Herrera H, Ortiz J, Soto J, Novotna A, Arriagada C. 2020. Isolation and identification of plant growth-promoting bacteria from rhizomes of arachnitis uniflora, a fully mycoheterotrophic plant in southern chile. *Applied soil ecology*. 149:103512.
Impact Factor: 5.509
DOI: 10.1016/j.apsoil.2020.103512
Quartile: 2
Editorial: Elsevier Science BV, Netherlands
ISSN: 0929-1393
4. Fuentes A, Herrera H, Charles T, Arriagada C. 2020. Fungal and bacterial microbiome associated with the rhizosphere of native plants from the atacama desert. *Microorganisms*. 2:209.
Impact Factor: 4.926
DOI: 10.3390/microorganisms8020209
Quartile: 2
Editorial: MDPI AG, Switzerland
ISSN: 2076-2607
5. Herrera H, Sanhueza T, Novotna A, Charles T, Arriagada C. 2020. Isolation and identification of endophytic bacteria from mycorrhizal tissues of terrestrial orchids from southern chile. *Diversity*. 2:55.
Impact Factor: 3.031
DOI: 10.3390/d12020055
Quartile: 2

Editorial: MDPI AG, Switzerland

ISSN: 1424-2818

6. Sampedro I, Pérez-Mendoza D, Toral L, Palacios E, Arriagada C, Llamas I. 2020. Effects of halophyte root exudates and their components on chemotaxis, biofilm formation and colonization of the halophilic bacterium *Halomonas anticariensis* fp35(t). *Microorganisms*. 4:575.
Impact Factor: 4.926
DOI: 10.3390/microorganisms8040575
Quartile: 2
Editorial:
ISSN: 2076-2607
7. Tampe J, Espinoza J, Chacón-Fuentes M, Quiroz A, Rubilar M. 2020. Evaluation of *Drimys winteri* (canelo) essential oil as insecticide against *Acanthoscelides obtectus* (coleoptera: bruchidae) and *Aegorhinus superciliosus* (coleoptera: curculionidae). *Insects*. 6:335.
Impact Factor: 3.141
DOI: 10.3390/insects11060335
Quartile: 1
Editorial: MDPI AG, Switzerland
ISSN: 2075-4450
8. **Huanquilef C**, Espinoza J, Mutis A, Bardehle L, Hormazabal E, **Urzua A**, Quiroz A. 2020. Antifeedant activities of organic fractions from *Cestrum parqui* leaves on the red-haired bark beetle *Hylurgus ligniperda*. *Journal of soil science and plant nutrition*. 21:13–21.
Impact Factor: 3.6
DOI: 10.1007/s42729-020-00327-6
Quartile: 2
Editorial: Springer Nature, Switzerland
ISSN: 0718-9516
9. Espinoza J, **Medina C**, Calabi-Floody A, Sánchez-Alonso E, Valdés G, Quiroz A. 2020. Evaluation of reductions in fume emissions (vocs and svocs) from warm mix asphalt incorporating natural zeolite and reclaimed asphalt pavement for sustainable pavements. *Sustainability*. 22:9546.
Impact Factor: 3.889
DOI: 10.3390/su12229546
Quartile: 2
Editorial: MDPI AG, Switzerland
ISSN: 2071-1050
10. **Fincheira P**, Quiroz A, **Medina C**, Tortella G, Hermosilla E, Diez M, Rubilar O. 2020. Plant growth induction by volatile organic compound released from solid lipid nanoparticles and nanostructured lipid carriers. *Colloids and surfaces a: physicochemical and engineering aspects*. 596:124739.
Impact Factor: 5.518
DOI: 10.1016/j.colsurfa.2020.124739
Quartile: 2
Editorial: Elsevier Science BV, Netherlands
ISSN: 0927-7757
11. Lizana P, Machuca J, Larama J, Quiroz A, Mutis A, Ventthur H. 2020. Mating-based regulation and ligand binding of an odorant-binding protein support the inverse sexual communication of the greater wax moth, *Galleria*

mellonella (lepidoptera: pyralidae). Insect molecular biology. 29:337-351.

Impact Factor: 3.424

DOI: 10.1111/imb.12638

Quartile: 1

Editorial: Wiley, USA

ISSN: 1365-2583

12. Costa J, Rodríguez R, Santos C, Soares C, Lima N, Santos C. 2020. Mycobiota in chilean chilli *capsicum annuum* L. used for production of Merkén. used for production of merkén. International journal of food microbiology. 334:108833.
Impact Factor: 5.911
DOI: 10.1016/j.ijfoodmicro.2020.108833
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0168-1605
13. Santos C, Silva BNS, Ferreira AFTAF, Santos C, Lima N, Bentes JLS. 2020. Fungal endophytic community associated with guarana (*paullinia cupana* var. *sorbilis*): diversity driver by genotypes in the centre of origin. Journal of fungi. 3:123.
Impact Factor: 5.724
DOI: 10.3390/jof6030123
Quartile: 1
Editorial: MDPI AG, Switzerland
ISSN: 2309-608X
14. Martins MR, Santos C, Soares C, Santos C, Lima N. 2020. *Gongronella eborensis* sp. nov., from vineyard soil of alentejo (portugal). International journal of systematic and evolutionary microbiology. 70:3475-3482.
Impact Factor: 2.689
DOI: 10.1099/ijsem.0.004201
Quartile: 4
Editorial: Microbiology Society, England
ISSN: 1466-5026
15. Paziani MH, Carvalho LT, Melhem MSC, Almeida MTG, Silva MENB, Martinez R, Santos C, von Zeska Kress MR. 2020. First comprehensive report of clinical *Fusarium* strains isolated in the state of sao paulo (brazil) and identified by maldi-tof ms and molecular biology. Microorganisms. 1:66.
Impact Factor: 4.926
DOI: 10.3390/microorganisms8010066
Quartile: 2
Editorial: MDPI AG, Switzerland
ISSN: 2076-2607
16. Matos A, Moreira L, Barczewski B, de Oliveira J, Pimentel MIF, Almeida-Paes R, Oliveira MG, Pinto TCA, Lima N, Matos MO, Costa LGM, Santos C, Oliveira MME. 2020. Identification by maldi-tof ms of *Sporothrix brasiliensis* isolated from a subconjunctival infiltrative lesion in an immunocompetent patient. Microorganisms. 1:22.
Impact Factor: 4.926
DOI: 10.3390/microorganisms8010022
Quartile: 2
Editorial: MDPI AG, Switzerland
ISSN: 2076-2607

17. Merino C, Matus F, Kuzyakov Y, Dycksman J, Stock S, Dippold M. 2020. Contribution of the fenton reaction and ligninolytic enzymes to soil organic matter mineralisation under anoxic conditions. *Science of the total environment.* 760:143397.
Impact Factor: 10.754
DOI: 10.1016/j.scitotenv.2020.143397
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0048-9697
18. Koester M, Stock S, **Nájera F**, Abdallah K, Gorbushina A, Prietzel J, Matus F, Klysubun W, Boy J, Kuzyakov Y, Dippold M, Spielvogel S. 2020. From rock eating to vegetarian ecosystems ? disentangling processes of phosphorus acquisition across biomes. *Geoderma.* 388:114827.
Impact Factor: 7.422
DOI: 10.1016/j.geoderma.2020.114827
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0016-7061
19. Merino C, Kuzyakov Y, Godoy K, Jofre I, **Nájera F**, Matus F. 2020. Iron-reducing bacteria decompose lignin by electron transfer from soil organic matter. *Science of the total environment.* 761:143194.
Impact Factor: 10.754
DOI: 10.1016/j.scitotenv.2020.143194
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0048-9697
20. Merino C, Kuzyakov Y, Godoy K, Cornejo P, Matus F. 2020. Synergy effect of peroxidase enzymes and fenton reactions greatly increase the anaerobic oxidation of soil organic matter. *Scientific reports.* 10:11289.
Impact Factor: 4.997
DOI: 10.1038/s41598-020-67953-z
Quartile: 2
Editorial: Springer Nature, Switzerland
ISSN: 2045-2322
21. **Aponte H**, Meli P, Butler B, Paolini J, Matus F, Merino C, Cornejo P, Kuzyakov Y. 2020. Meta-analysis of heavy metal effects on soil enzyme activities. *Science of the total environment.* 737:139744.
Impact Factor: 10.754
DOI: 10.1016/j.scitotenv.2020.139744
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Editorial: Elsevier Science BV, Netherlands
ISSN: 0048-9697
22. **Nájera F**, Dippold M, Boy J, Seguel O, Koester M, Stock S, Merino C, Kuzyakov Y, Matus F. 2020. Effects of drying/rewetting on soil aggregate dynamics and implications for organic matter turnover. *Biology and fertility of soil.* 56:893–905.
Impact Factor: 6.605
DOI: 10.1007/s00374-020-01469-6
Quartile: 1
Editorial: Springer Nature, Switzerland
ISSN: 0178-2762

23. Pfeiffer M, Padarian J, Osorio R, Bustamante N, Olmedo G, Guevara M, Aburto F, Albornoz F, Antilén M, Araya E, Arellano E, Barret M, Barrera J, Boeckx P, Briceño M, Bunning S, Cabrol L, Casanova M, Cornejo F, Corradini F, Curaqueo G, Doetterl S, Duran P, Escudey M, Espinoza A, Francke S, Fuentes J, Fuentes M, Gajardo G, García R, Gallaud A, Galleguillos M, Gómez A, Hidalgo M, Ivelic-Saez J, Mashalaba L, Matus F, Meza F, Mora M, Mora J, Muñoz C, Norambuena P, Olivera C, Ovalle C, Panichini M, Pauchard A, Pérez-Quezada J, Radic S, Ramírez J, Riveras N, Ruiz G, Salazar O, Salgado I, Seguel O, Sepúlveda M, Sierra C, Tapia Y, Tapia F, Toledo B, Torrico J, Valle S, Vargas R, Wolff M, Zagal E. 2020. Chlsoc: the Chilean soil organic carbon database, a multi-institutional collaborative effort. *Earth system science data*. 12:457-468.
Impact Factor: 11.815
DOI: 10.5194/essd-12-457-2020
Quartile: 1
Editorial: Copernicus Publications, Germany
ISSN: 1866-3508
24. Matus F, Egli M. 2020. Mathematical-statistical problem that has a significant implication on estimation of interval-specific rates of soil-forming processes. *Journal of soil science and plant nutrition*. 20:12-18.
Impact Factor: 3.6
DOI: 10.1007/s42729-019-00095-y
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Editorial: Springer Nature, Switzerland
ISSN: 0178-2762
25. Ortega F, Regiart M, Rodriguez A, De Miguel-Pérez D, Serrano M, Lorente J, Tortella G, Rubilar O, Sapag K, Bertotti M, Fernández-Baldo M. 2020. Sandwich-type electrochemical paper-based immunosensor for claudin 7 and cd81 dual determination on extracellular vesicles from breast cancer patients. *Analytical chemistry*. 93, 2, 1143–1153.
Impact Factor: 8.008
DOI: 10.1021/acs.analchem.0c04180
Quartile: 1
Editorial: ACS publication, USA
ISSN: 0003-2700
26. Tortella G, Cuozzo S, Diez M, Rodriguez C, Duran P, Masis M, Parada J, Rubilar O. 2020. Pesticide dissipation capacity of an organic biomixture used in the agriculture exposed to copper oxychloride. *Ecotoxicology and environmental safety*. 190:110121.
Impact Factor: 7.129
DOI: 10.1016/j.ecoenv.2019.110121
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0045-6535
27. Pieretti J, Rubilar O, Weller R, Tortella G, Seabra A. 2020. Nitric oxide (no) and nanoparticles ? potential small tools for the war against covid-19 and other human coronavirus infections. *Virus research*. 291:198202.
Impact Factor: 6.286
DOI: 10.1016/j.virusres.2020.198202
Quartile: 2
Editorial: Elsevier Science BV, Netherlands
ISSN: 0168-1702
28. Tortella G, Rubilar O, Duran N, Diez M, Martinez M, Parada J, Seabra A. 2020. Silver nanoparticles:toxicity in model organisms as an overview of its hazard for human health and the environment. *Journal of hazardous*

- materials. 390:121974.
Impact Factor: 14.224
DOI: 10.1016/j.jhazmat.2019.121974
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0304-3894
29. Tortella GR, Rubilar O, Diez MC, Padrao J, Zille A, Pieretti J, Seabra A. 2020. Advanced material against human (including covid-19) and plant viruses: nanoparticles as a feasible strategy. *Global challenges*. 5:2000049.
Impact Factor: 5.135
DOI: 10.1002/gch2.202000049
Quartile: 1
Editorial: Wiley, USA
ISSN: 2056-6646
30. **Muñoz R**, Gonzalez A, Valdebenito F, Ciudad G, Navia R, Pecchi G, Azocar L. 2020. Fly ash as a new versatile acid-base catalyst for biodiesel production. *Renewable energy*. 162:1931-1939.
Impact Factor: 8.634
DOI: 10.1016/j.renene.2020.09.099
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0960-1481
31. Duarte C, Rebolledo K, Valenzuela T, Kopp M, Jeison D, Rivas M, Azocar L, Torres A, Ciudad G. 2020. Application of microbe-induced carbonate precipitation for copper removal from copper-enriched waters: challenges to future industrial application. *Journal of environmental management*. 256:109938.
Impact Factor: 8.91
DOI: 10.1016/j.jenvman.2019.109938
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0301-4797
32. **Pinto-Ibieta F**, Cea M, Cabrera F, Abanto M, Felissia FE, Area MC, Ciudad G. 2020. Strategy for biological co-production of levulinic acid and polyhydroxyalkanoates by using mixed microbial cultures fed with synthetic hemicellulose hydrolysate. *Bioresource technology*. 309:123323.
Impact Factor: 11.889
DOI: 10.1016/j.biortech.2020.123323
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 1873-2976
33. Merino O, **Dumorné K**, Sandoval-Vargas L, Figueroa E, Valdebenito I, Farías JG, Risopatron J. 2020. Short-term storage sperm of coho salmon (*Oncorhynchus kisutch*) at 4°C: effect of sperm, extender dilution ratios and antioxidant butyl-hydroxytoluene (bht) on sperm function. *Cryobiology*. 95:44-50.
Impact Factor: 2.728
DOI: 10.1016/j.cryobiol.2020.06.007
Quartile: 2
Editorial: Elsevier Science BV, Netherlands
ISSN: 1090-2392
34. Zepeda A, Miranda I, Valdebenito I, Moreno R, Farias J. 2020. GnRH treatments of atlantic salmon broodstock

suppresses effects of endocrine disruptors, benefitting offspring quality. Animal reproduction science. 217:106470.

Impact Factor: 2.22

DOI: 10.1016/j.anireprosci.2020.106470

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Editorial: Elsevier Science BV, Netherlands

ISSN: 0378-4320

35. Bravo W, **Dumorné K**, Beltran J, Jara-Seguel P, Romero J, Farias J, Risopatron J, Valdebenito I, Figueroa E. 2020. Effects of selection by the percoll density gradient method on motility, mitochondrial membrane potential and fertility in a subpopulation of atlantic salmon (*Salmo salar*) testicular spermatozoa. Animal reproduction science. 216:106344.

Impact Factor: 2.22

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Editorial: Elsevier Science BV, Netherlands

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36. Beltran J, Herrera L, Farias J. 2020. PPLK+C: a bioinformatics tool for predicting peptide ligands of potassium channels based on primary structure information. Interdisciplinary sciences: computational life sciences. 12:258-263.

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Quartile: 2

Editorial: Springer Nature, Switzerland

ISSN: 1913-2751

37. Diaz R, Quiñones J, Short S, Contreras P, **Ulloa P**, Cancino D, Sepulveda N, Farias J. 2020. Effect of exogenous lipids on cryotolerance of atlantic salmon (*Salmo salar*) spermatozoa. Cryobiology. 98:25-32.

Impact Factor: 2.728

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Quartile: 3

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ISSN: 1090-2392

38. Solis-Lufi K, Suazo MJ, **Avila-Salem ME**, Maldonado-Murúa C, **Aponte H**, Farias J, De Los Ríos-Escalante P. 2020. Community structure of benthic invertebrates in the allipén river basin, north patagonia, araucania region (38° s, chile). Brazilian journal of biology. 82:e232805.

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Quartile: 3

Editorial: Instituto Internacional de Ecología, Brazil

ISSN: 1678-4375

39. Effer B, Krebs E, Meira G, Munhoz I, Sánchez-Moguel I, Pessoa Junior A, Feijoli V, Farias J, Monteiro G. 2020. Glycosylation of erwinase results in active protein less recognized by antibodies. Biochemical engineering journal. 163:107750.

Impact Factor: 4.446

DOI: 10.1016/j.bej.2020.107750

Quartile: 2

Editorial: Elsevier Science BV, Netherlands

ISSN: 1369-703X

40. Short S, Díaz R, Quiñones J, Beltrán J, Fariñas JG, Graether SP, Bravo LA. 2020. Effect of *In vitro* cold acclimation of *Deschampsia antarctica* on the accumulation of proteins with antifreeze activity. *Journal of experimental botany.* 71:2933-2942.
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DOI: 10.1093/jxb/eraa071
Quartile: 1
Editorial: Oxford University Press, England
ISSN: 0022-0957
41. Beltrán J, Herrera L, Lee M, Figueroa E, Dumorné K, Farias J. 2020. The voltage-gated t-type Ca^{2+} channel is key to the sperm motility of atlantic salmon (*Salmo salar*). *Fish physiology and biochemistry.* 46:1825-1831.
Impact Factor: 3.014
DOI: 10.1007/s10695-020-00829-1
Quartile: 2
Editorial: Springer Nature, Switzerland
ISSN: 0920-1742
42. Quiñones J, Díaz R, Dantagnan P, Hernandez A, Valdes M, Lorenzo J, Cancino D, Sepulveda N, Farias J. 2020. Dietary inclusion of *Durvillaea antarctica* meal and rapeseed (*Brassica napus*) oil on growth, feed utilization and fillet quality of rainbow trout (*Oncorhynchus mykiss*). *Aquaculture.* 530:735882.
Impact Factor: 5.135
DOI: 10.1016/j.aquaculture.2020.735882
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0044-8486
43. Tampe J, Pacheco B, Bardehle L, Fuentes E, Salas L, Quiroz A. 2020. Attractant effect of *Eucalyptus globulus* (labill) and *Foeniculum vulgare* (mill.) essential oils on *Aegorhinus superciliosus* (guérin) (coleoptera: curculionidae). *Journal of soil science and plant nutrition.* 20:775-783.
Impact Factor: 3.6
DOI: 10.1007/s42729-019-00164-2
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ISSN: 0718-9516
44. Astorga-Eló M, Zhang Q, Larama G, Stoll A, Sadowsky MJ, Jorquera MA. 2020. Composition, predicted functions and co-occurrence networks of rhizobacterial communities impacting flowering desert events in the atacama desert, chile. *Frontiers in microbiology.* 11:571.
Impact Factor: 6.064
DOI: 10.3389/fmicb.2020.00571
Quartile: 1
Editorial: Frontiers Media SA, Switzerland
ISSN: 1664-302X
45. Ruiz-Gil T, Acuña JJ, Fujiyoshi S, Tanaka D, Noda J, Maruyama F, Jorquera MA. 2020. Airborne bacterial communities of outdoor environments and their associated influencing factors. *Environment international.* 145:106156.
Impact Factor: 13.352
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Editorial: Elsevier Science BV, Netherlands

ISSN: 0160-4120

46. Yarimizu K, Fujiyoshi S, Kawai M, Norambuena L, Cascales E, **Rilling J**, Vilugrón J, Cameron H, Vergara K, Morón J, Acuña J, Gajardo G, Espinoza O, Guzman L, Jorquera M, Nagai S, Pizarro G, Riquelme C, Ueki S, Maruyama F. 2020. Protocols for monitoring harmful algal blooms for sustainable aquaculture and coastal fisheries in chile. *International journal of environmental research and public health.* 17:20.
Impact Factor: 4.614
DOI: 10.3390/ijerph17207642
- Quartile: 2
Editorial: MDPI AG, Switzerland
ISSN: 1661-7827
47. Araya MA, Valenzuela T, Inostroza NG, Maruyama F, Jorquera MA, Acuña JJ. 2020. Isolation and characterization of cold-tolerant hyper-acc-degrading bacteria from the rhizosphere, endosphere, and phyllosphere of antarctic vascular plants. *Microorganisms.* 8(11).
Impact Factor: 4.926
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Editorial: MDPI AG, Switzerland
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48. Schoebitz M, Castillo D, Jorquera MA, Roldan A. 2020. Responses of microbiological soil properties to intercropping at different planting densities in an acidic andisol. *Agronomy-basel.* 10(6), 781.
Impact Factor: 3.949
DOI: 10.3390/agronomy10060781
Quartile: 1
Editorial: MDPI AG, Switzerland
ISSN: 2073-4395
49. Zhang Q, Campos M, Larama G, Acuña JJ, Valenzuela B, Solis F, Zamorano P, Araya R, Sadowsky MJ, Jorquera MA. 2020. Composition and predicted functions of the bacterial community in spouting pool sediments from the el tatio geyser field in chile. *Archives of microbiology.* 203:389-397.
Impact Factor: 2.667
DOI: 10.1007/s00203-020-02020-9
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Editorial: Springer Nature, Switzerland
ISSN: 0302-8933
50. Zhang Q, Acuña JJ, Inostroza NG, Duran P, Mora ML, Sadowsky MJ, Jorquera MA. 2020. Niche differentiation in the composition, predicted function, and co-occurrence networks in bacterial communities associated with antarctic vascular plants. *Frontiers in microbiology.* 11:1036.
Impact Factor: 6.064
DOI: 10.3389/fmicb.2020.01036
Quartile: 1
Editorial: Frontiers Media SA, Switzerland
ISSN: 1664-302X
51. Acuña JJ, Marileo LG, Araya MA, **Rilling JI**, Larama G, Mora ML, Epstein S, Jorquera M. 2020. In situ cultivation approach to increase the culturable bacterial diversity in the rhizobiome of plants. *Journal of soil science and*

plant nutrition. 20:1411-1426.

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DOI: 10.1007/s42729-020-00222-0

Quartile: 2

Editorial: Springer Nature, Switzerland

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52. Meier S, Moore F, Morales A, Gonzalez M, Seguel A, Meriño C, Rubilar O, Cumming J, **Aponte H**, Alarcon D, Mejias J. 2020. Synthesis of calcium borate nanoparticles and its use as a potential foliar fertilizer in lettuce (*Lactuca sativa*) and zucchini (*Cucurbita pepo*). Plant physiology and biochemistry. 151:673-680.

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Editorial: Elsevier Science BV, Netherlands

ISSN: 0981-9428

53. Viscarra F, Gonzalez J, Esparza E, Figueroa C, Paillalí P, Hodar M, Cespedes C, Quiroz G, Sotomayor R, Reyes M, Bermudez I, Iturriaga P. 2020. Nicotinic antagonist ufr2709 inhibits nicotine reward and decreases anxiety in zebrafish. Molecules. 13: 2998.

Impact Factor: 4.927

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Quartile: 2

Editorial: MDPI AG, Switzerland

ISSN: 1420-3049

54. Guajardo F, Velasquez V, Rabi D, Nuñez G, Iturriaga P, España R, Reyes M, Sotomayor R. 2020. Pharmacological characterization of 4-methylthioamphetamine derivatives. Molecules. 25(22):5310.

Impact Factor: 4.927

DOI: 10.3390/molecules25225310

Quartile: 2

Editorial: MDPI AG, Switzerland

ISSN: 1420-3049

55. Rodriguez J, Gallardo C, Mallea M, Bustos V, Osorio R, Hodar M, Chung H, Araya R, Lorca M, Pessoa C, Mella J, Saitz C, Jaque P, Reyes M, Iturriaga P, Pessoa H. 2020. Synthesis, in vitro evaluation and molecular docking of a new class of indolylpropyl benzamidopiperazines as dual ache and sert ligands for alzheimers disease. European journal of medicinal chemistry. 198:112368.

Impact Factor: 7.088

DOI: 10.1016/j.ejmech.2020.112368

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Editorial: Elsevier Science BV, Netherlands

ISSN: 0223-5234

56. Cerda C, Quiroz G, Iturriaga P, Rodriguez J, Alarcon J, Saitz C, Pessoa D, Chung H, Araya R, Mella J, Cabezas D, Ojeda C, Reyes M, Pessoa H. 2020. Synthesis, docking, 3-d-qsar, and biological assays of novel indole derivatives targeting serotonin transporter, dopamine d2 receptor, and mao-a enzyme: in the pursuit for potential multitarget directed ligands. Molecules. 25(20), 4614.

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Quartile: 1
Editorial: MDPI AG, Switzerland
ISSN: 2079-4991
58. **Vergara D**, Lopez O, Bustamante M, Shene C. 2020. An *In vitro* digestion study of encapsulated lactoferrin in rapeseed phospholipid-based liposomes. *Food chemistry*. 321:126717.
Impact Factor: 9.231
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