

Publicaciones WoS (ISI) Doctorado en Ciencias de Recursos Naturales

Año: 2017

Publicaciones Totales: 84

Publicaciones Alumnos de Doctorado: 32

Publicaciones con investigadores extranjeros: 56

1. Acevedo F, Torres P, Oomah BD, de Alencar SM, Massarioli AP, Martin-Venegas R, Albarral-Avila V, Burgos-Diaz C, Ferrer R, Rubilar M. 2017. Volatile and non-volatile/semi-volatile compounds and *in vitro* bioactive properties of Chilean Ulmo (*Eucryphia cordifolia* Cav.) honey. Food Research International (94): 20-28.
Impact Factor: 7.425
DOI: 10.1016/j.foodres.2017.01.021
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0963-9969
2. **Herrera H.**, Valadares R, Contreras D, Bashan Y, Arriagada C. 2017. Mycorrhizal compatibility and symbiotic seed germination of orchids from the Coastal Range and Andes in south central Chile. Mycorrhiza. (3):175-188.
Factor de Impacto: 3.856
DOI: 10.1007/s00572-016-0733-0
Cuartil: 1
Editorial: Springer Nature, Netherlands
ISSN: 0940-6360
3. Zavala H. A. Hormazabal E., Montenegro G., Rosalez M., Quiroz A. Cristian P., Rebolledo R. (2017). Effects of extracts from *Maytenus* on *Aegorhinus superciliosus* (Coleoptera: Curculionidae) and *Hippodamia convergens* (Coleoptera: Coccinellidae). Revista Colombiana de Entomología (2), 233-244.
Impact Factor: 0.271
DOI: 10.25100/socolen.v43i2.5948
Quartile: 4
Editorial: Revista Colombiana de Entomología
ISSN: 0021-9258
4. Quiroz A., Mendez L., Mutis A. Hormazabal E., Ortega F., Birkett M. A., Parra, L. (2017). Antifeedant activity of red clover root isoflavonoids on *Hylastinus obscurus*. Journal of Soil Science and Plant Nutrition. (1), 231-239.
Impact Factor: 3.6
DOI: 10.4067/S0718-95162017005000018
Quartile: 2
Editorial: Springer
5. ISSN: 0718-95 Parra, L., **Chacón-Fuentes, M.**, Lizama M., Quiroz A. (2017). Incidence of *Listronotus bonariensis* (Coleoptera: Curculionidae) in ryegrass pastures from southern Chile. New background. Journal of Soil Science and Plant Nutrition. (1), 91-98.
Impact Factor: 3.6
DOI: 10.4067/S0718-95162017005000007

Quartile: 2
Editorial: Springer
ISSN: 0718-9516

6. **Chacón-Fuentes M**, Parra L, Lizama M, Seguel I, Urzúa A, Quiroz A. (2017). Plant Flavonoid Content Modified by Domestication. *Environmental Entomology* (5):1080-1089.
Impact Factor: 2.387
DOI: 10.1093/ee/nvx126
Quartile: 2
Editorial: Oxford University Press,
England
ISSN: 0046-225X
7. **Fincheira P**, Parra L, Mutis A, Parada M, Quiroz A. 2017. Volatiles emitted by *Bacillus* sp. BCT9 act as growth modulating agents on *Lactuca sativa* seedlings. *Microbiological Research*. 203:47-56.
Impact Factor: 5.07
DOI: 10.1016/j.micres.2017.06.007
Quartile: 2
Editorial: Elsevier Science BV, Netherlands
ISSN: 0944-5013
8. Martins MR, Santos C, Pereira P, Cruz-Morais J, Lima N. 2017. Metalaxyl Degradation by Mucorales Strains *Gongronella* sp. and *Rhizopus oryzae*. *Molecules*. 22(12):2225.
Impact Factor: 4.927
DOI: 10.3390/molecules22122225
Quartile: 2
Editorial: MDPI AG, Switzerland
ISSN: 1420-3049
9. Magalhães da Veiga Moreira I, de Figueiredo Vilela L, da Cruz Pedroso Miguel MG, Santos C, Lima N, Freitas Schwan R. 2017. Impact of a Microbial Cocktail Used as a Starter Culture on Cocoa Fermentation and Chocolate Flavor. *Molecules*. 22(5):766.
Impact Factor: 4.927
DOI:10.3390/molecules22050766
Quartile: 2
Editorial: MDPI AG,
Switzerland
ISSN: 1420-3049
10. Silva Lisboa D, Santos C, Barbosa RN, Magalhães O, Paiva LM, Moreira KA, Lima N, Souza-Motta CM. 2017. Requalification of a Brazilian *Trichoderma* Collection and Screening of Its Capability to Decolourise Real Textile Effluent. *International Journal of Environmental Research and Public Health*. 14(4):373.
Impact Factor: 4.614
DOI: <https://doi.org/10.3390/ijerph14040373>
Quartile: 2
Editorial: MDPI AG, Switzerland
ISSN: Sin información
11. Lima, N., Santos C. 2017. MALDI-TOF MS for identification of food spoilage filamentous fungi. *Current Opinion*

in Food Science (13): 26-30.

Impact Factor: 9.8

DOI: 10.1016/j.cofs.2017.02.002

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 2214-7993

- 12.** Miguel MGCP, de Castro Reis LV, Efraim P, Santos C, Lima N, Freitas R. 2017. Cocoa fermentation: Microbial identification by MALDI-TOF MS, and sensory evaluation of produced chocolate. LWT (77): 362-369.
Impact Factor: 6.056
DOI: 10.1016/j.lwt.2016.11.076
Quartile: 1
Editorial: Elsevier
Science BV,
Netherlands
ISSN: 0023-6438
- 13.** Carvalho BF, Ávila CL, Bernardes TF, Pereira MN, Santos C, Schwan RF. 2017. Fermentation profile and identification of lactic acid bacteria and yeasts of rehydrated corn kernel silage. Journal of Applied Microbiology. 122(3):589-600.
Impact Factor: 4.059
DOI: 10.1111/jam.13371
Quartile: 2
Editorial: Oxford University Press, England
ISSN: 1364-5072
- 14. Merino, C.** Fontaine, S. G. Palma, F. Matus. 2017. Effect of aluminium on mineralization of water extractable organic matter and microbial respiration in southern temperate rainforest soils. European Journal of Soil Biology (82): 56-65.
Impact Factor: 3.232
DOI: 10.1016/j.ejsobi.2017.08.003
Quartile: 2
Editorial: Elsevier Science BV,
Netherlands
ISSN: 1164-5563
- 15. Panichini M.** Neculman R., Godoy R, Arancibia-Miranda N, Matus F. 2017. Understanding carbon storage in volcanic soils under selectively logged temperate rainforests. Geoderma 302: 76-88
Impact Factor: 7.422
DOI: 10.1016/j.geoderma.2017.04.023
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0016-70
- 16.** Cuozzo SA, Sineli PE, Davila Costa J, Tortella G. 2017. *Streptomyces* sp. is a powerful biotechnological tool for the biodegradation of HCH isomers: biochemical and molecular basis. Critical Reviews in Biotechnology 38(5):719-728.
Impact Factor: 9.062
DOI: 10.1080/07388551.2017.1398133
Quartile: 1

Editorial: Taylor & Francis Ltd,
England
ISSN: 0738-8551

- 17.** Diez MC, **Elgueta S**, Rubilar O, Tortella GR, Schalchli H, Bornhardt C, Gallardo F. 2017. Pesticide dissipation and microbial community changes in a biopurification system: influence of the rhizosphere. *Biodegradation*. 28(5-6):395-412.
Impact Factor: 3.731
DOI: 10.1007/s10532-017-9804-y
Quartile: 2
Editorial: Springer, USA
ISSN: 0923-9820
- 18.** Briceño G, Vergara K, Schalchli H, Palma G, Tortella G, Fuentes MS, Diez MC. 2017. Organophosphorus pesticide mixture removal from environmental matrices by a soil *Streptomyces* mixed culture. *Environmental Science and Pollution Research* (22):21296-21307.
Impact Factor: 5.19
DOI: 10.1007/s11356-017-9790-y
Quartile: 2
Editorial: Springer, USA
ISSN: 0944-1344
- 19.** Risopatrón J, Merino O, Cheuquemán C, Figueroa E, Sánchez R, Farías JG, Valdebenito I. 2017. Effect of the age of broodstock males on sperm function during cold storage in the trout (*Oncorhynchus mykiss*). *Andrologia*. 50(2).
Impact Factor: 2.532
DOI: 10.1111/and.12857
Quartile: 3
Editorial: Wiley-Blackwell, USA
ISSN: 1439-0272
- 20.** Farias JG, Zepeda A, Castillo R, Figueroa E, Ademoyero OT, Pulgar VM. 2017. Chronic hypobaric hypoxia diminishes the expression of base excision repair OGG1 enzymes in spermatozoa. *Andrologia*. 50(2).
Impact Factor: 2.532
DOI: 10.1111/and.12876
Quartile: 3
Editorial: Wiley-Blackwell, USA
ISSN: 1439-0272
- 21.** Farías JG, Molina VM, Carrasco RA, Zepeda AB, Figueroa E, Letelier P, Castillo RL. 2017. Antioxidant Therapeutic Strategies for Cardiovascular Conditions Associated with Oxidative Stress. *Nutrients*. 9(9):966.
Impact Factor: 6.706
DOI: 10.3390/nu9090966
Quartile: 1
Editorial: MDPI AG,
Switzerland
ISSN: 5465-5555
- 22.** Lopes AM, Oliveira-Nascimento L, Ribeiro A, Tairum CA Jr, Breyer CA, Oliveira MA, Monteiro G, Souza-Motta

CM, Magalhães PO, Avendaño JG, Cavaco-Paulo AM, Mazzola PG, Rangel-Yagui CO, Sette LD, Converti A, Pessoa A. 2017. Therapeutic l-asparaginase: upstream, downstream and beyond. *Critical Reviews in Biotechnology* (1):82-99.

Impact Factor: 9.062

DOI: 10.3109/07388551.2015.1120705

Quartile: 1

Editorial: Taylor & Francis Ltd,

England

ISSN: 1549-7801

23. Lee-Estevez M, Herrera L, Díaz R, Beltrán J, Figueroa E, **Dumorné K, Ulloa-Rodríguez P**, Short S, Risopatrón J, Valdebenito I, Farías J. 2017. Effects of cryopreservation on cAMP-dependent protein kinase and AMP-activated protein kinase in Atlantic salmon (*Salmo salar*) spermatozoa: Relation with post-thaw motility. *Animal Reproduction Science*. 209:106133.

Impact Factor: 10.618

DOI: 10.1016/j.anireprosci.2019.106133

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 1753-5131

24. Durán P, Jorquera M, **Viscardi S**, Carrion VJ, Mora ML, Pozo MJ. 2017. Screening and Characterization of Potentially Suppressive Soils against *Gaeumannomyces graminis* under Extensive Wheat Cropping by Chilean Indigenous Communities. *Frontiers in Microbiology*. 15;8:1552.

Impact Factor: 6.064

DOI: 10.3389/fmicb.2017.01552

Quartile: 1

Editorial: Frontiers Media SA, Switzerland

ISSN: 1664-302X

25. Morrison E, **Lagos L**, Al-Agely A, Glaab H, Johnson W, Jorquera MA, Ogram A. 2017. Mycorrhizal inoculation increases genes associated with nitrification and improved nutrient retention in soil. *Biol Fertil Soils* 53, 275–279.

Impact Factor: 6.605

DOI: 10.1007/s00374-017-1176-2

Quartile: 1

Editorial: Springer, USA

ISSN: 0178-2762

26. Rebolledo C, Cuevas A, Zambrano T, Acuña JJ, Jorquera MA, Saavedra K, Martínez C, Lanas F, Serón P, Salazar LA, Saavedra N. 2017. Bacterial Community Profile of the Gut Microbiota Differs between Hypercholesterolemic Subjects and Controls. *Biomed Res Int*. 8127814.

Impact Factor: 3.246

DOI: 10.1155/2017/8127814

Quartile: 3

Editorial: Hindawi Ltd., USA

ISSN: 2314-6133

27. Mora M.L, Demanet R, Acuña JJ, **Viscardi S.**, Jorquera M, Rengel Z, Durán P. 2017. Aluminum-tolerant bacteria improve the plant growth and phosphorus content in ryegrass grown in a volcanic soil amended with cattle

dung manure. *Applied Soil Ecology* 105:19-26.

Impact Factor: 5.509

DOI: 10.1016/j.apsoil.2017.03.013

Quartile: 2

Editorial: Elsevier

Science BV,

Netherlands

ISSN: 0929-1393

- 28. Cid F, Inostroza NG, Graether S, Bravo LA, Jorquera MA. 2017. Bacterial community structures and ice recrystallization inhibition activity of bacteria isolated from the phyllosphere of the Antarctic vascular plant *Deschampsia antarctica*. *Polar Biology* 40, 1319–1331.**
Impact Factor: 2.198
DOI: 10.1007/s00300-016-2036-5
Quartile: 3
Editorial: Springer,
Netherlands
ISSN: 0722-4060
- 29. Barra PJ, Inostroza NG, Mora ML, Crowley DE, Jorquera MA. 2017. Bacterial consortia inoculation mitigates the water shortage and salt stress in an avocado (*Persea americana* Mill.) nursery. *Applied Soil Ecology* 111: 39-47.**
Impact Factor: 5.509
DOI: 10.1016/j.apsoil.2016.11.012
Quartile: 2
Editorial: Elsevier Science BV, Netherlands
ISSN: 0929-1393
- 30. Inostroza NG, Barra PJ, Wick LY, Mora ML, Jorquera MA. 2017. Effect of rhizobacterial consortia from undisturbed arid- and agro-ecosystems on wheat growth under different conditions. *Letters in Applied Microbiology*.(2):158-163.**
Impact Factor: 2.813
DOI: 10.1111/lam.12697
Quartile: 3
Editorial: Oxford Univ Press, Inglaterra
ISSN: 0266-8254
- 31. Schalchli H, Hormazábal E, Rubilar O, Briceño G, Mutis A, Zocolo GJ, Diez MC. 2017. Production of ligninolytic enzymes and some diffusible antifungal compounds by white-rot fungi using potato solid wastes as the sole nutrient source. *Journal of Applied Microbiology* 4):886-895.**
Impact Factor: 4.059
DOI: 10.1111/jam.13542
Quartile: 2
Editorial: Oxford Univ Press, Inglaterra
ISSN: 1364-5072
- 32. Hidalgo S, Molina-Mateo D, Escobedo P, Zárate RV, Fritz E, Fierro A, Perez EG, Iturriaga-Vasquez P, Reyes-Parada M, Varas R, Fuenzalida-Urbe N, Campusano JM. 2017. Characterization of a Novel *Drosophila* SERT Mutant: Insights on the Contribution of the Serotonin Neural System to Behaviors. *ACS Chem Neurosci*.**

(10):2168-2179.

Impact Factor: 5.78

DOI: 10.1021/acschemneuro.7b00089

Quartile: 1

Editorial: ACS publication,

USA

ISSN: 1948-7193

- 33.** Pessoa-Mahana H, Silva-Matus P, Pessoa-Mahana CD, Chung H, Iturriaga-Vásquez P, Quiroz G, Möller-Acuña P, Zapata-Torres G, Saitz-Barría C, Araya-Maturana R, Reyes-Parada M. 2017. Synthesis and Docking of Novel 3-Indolylpropyl Derivatives as New Polypharmacological Agents Displaying Affinity for 5-HT1A R/SERT. *Archiv der Pharmazie (Weinheim)*. 350(1).

Impact Factor: 4.613

DOI: 10.1002/ardp.201600271

Quartile: 2

Editorial: Wiley, USA

ISSN: 0365-6233

- 34.** Alcaino C, Musgaard M, Minguez T, Mazzaferro S, Faundez M, Iturriaga-Vasquez P, Biggin PC, Bermudez I. 2017. Role of the Cys Loop and Transmembrane Domain in the Allosteric Modulation of $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptors. *Journal of Biological Chemistry*. 292(2):551-562..

Impact Factor: 5.485

DOI:

10.1074/jbc.M116.7512

06

Quartile: 2

Editorial: Elsevier

Science BV,

Netherlands

ISSN: 1083-351X

- 35. González A**, Font O, Moreno N, Querol X., Arancibia N., Navia R. 2017. Copper Flash Smelting Flue Dust as a Source of Germanium. *Waste Biomass Valor*. 8: 2121–2129

Impact Factor: 3.449

DOI: 10.1007/s12649-016-9725-8

Quartile: 3

Editorial: Springer, Switzerland

ISSN: 1877-2641

- 36.** Cárdenas JP, Cea M, Santín K., Valdés G., Hunter R, Navia R. 2017. Characterization and application of a natural polymer obtained from *Hydrangea macrophylla* as a thermal insulation biomaterial. *Composites Part B: Engineering*. 132: 10-16.

Impact Factor: 11.322

DOI: 10.1016/j.compositesb.2017.07.086

Quartile: 1

Editorial: Elsevier Science BV,

Netherlands

ISSN: 1359-8368

- 37. Muñoz E, Curaqueo G, Cea M, Vera L, Navia R. 2017. Environmental hotspots in the life cycle of a biochar-soil system. Journal of Cleaner Production. 158: 1-7.**
Impact Factor: 11.072
DOI: 10.1016/j.jclepro.2017.04.163
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0959-6526
- 38. González M. E., Romero-Hermoso L., González A., Hidalgo P., Meier S., Navia R., Cea M. 2017. Effects of Pyrolysis Conditions on Physicochemical Properties of Oat Hull Derived Biochar. BioResources. 12: 2040-2057.**
Impact Factor: 1.747
DOI: 10.15376/biores.12.1.2040-2057
Quartile: 2
Editorial: North Carolina State Univ
Dept Wood & Paper
Sci, USA
ISSN: 1930-2126
- 39. Torres S., Acien G., García-Cuadra F., Navia R. 2017. Direct transesterification of microalgae biomass and biodiesel refining with vacuum distillation. Algal Research. 28. 30.**
Impact Factor: 5.276
DOI: 10.1016/j.algal.2017.10.001
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 2211-9264
- 40. González ME, Cea M, Reyes D, Romero-Hermoso L, Hidalgo, Meier S, Benito N., Navia R. 2017. Functionalization of biochar derived from lignocellulosic biomass using microwave technology for catalytic application in biodiesel production. Energy Conversion and Management. 137: 0196-8904.**
Impact Factor: 11.533
DOI: 10.1016/j.enconman.2017.01.063
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0196-8904
- 41. Quispe I, Navia R, Kahhat R. 2017. Energy potential from rice husk through direct combustion and fast pyrolysis: A review. Waste Management 59:200-210.**
Impact Factor: 8.816
DOI: 10.1016/j.wasman.2016.10.001
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0956-053X
- 42. Morales, E., Rubilar, M., Burgos-Díaz, C., Acevedo, F., Penning, M., Shene, C. 2017. Alginate/Shellac beads developed by external gelation as a highly efficient model system for oil encapsulation with intestinal**

delivery. Food Hydrocolloids. 70:321-328.

Impact Factor: 11.504

DOI: 10.1016/j.foodhyd.2017.04.012

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 0268-005X

- 43. Hermosilla E**, Schalchli H, Mutis A, Diez MC. 2017. Combined effect of enzyme inducers and nitrate on selective lignin degradation in wheat straw by *Ganoderma lobatum*. Environmental Science and Pollution Research (27):21984-21996.
Impact Factor: 5.19
DOI: 10.1007/s11356-017-9841-4
Quartile: 2
Editorial: Springer, USA
ISSN: 0944-1344
- 44. Meier, S.**, Curaqueo, G., Khan, N., Bolan, N., Cea, M., Eugenia, G. M, Cornejo P., Ok YS, Borie F. 2017. Chicken-manure-derived biochar reduced bioavailability of copper in a contaminated soil. Journal of Soils and Sediments. 17, 741–750.
Impact Factor: 3.536
DOI: 10.1007/s11368-015-1256-6
Quartile: 2
Editorial: Springer, USA
ISSN: 1439-0108
- 45. Campos M**, Karas PS, Perruchon C, Papadopoulou ES, Christou V, Menkissoglou-Spiroudi U, Diez MC, Karpouzias DG. 2017. Novel insights into the metabolic pathway of iprodione by soil bacteria. Environmental Science and Pollution Research (1):152-163.
Impact Factor: 5.19
DOI: 10.1007/s11356-016-7682-1
Quartile: 2
Editorial: Springer, USA
ISSN: 0944-1344
- 46. Elgueta S**, Correa A, **Campo M**, Gallardo F, Karpouzias D, Diez MC. 2017. Atrazine, chlorpyrifos, and iprodione effect on the biodiversity of bacteria, actinomycetes, and fungi in a pilot biopurification system with a green cover. Journal of Environmental Science and Health, Part B. (9):651-657.
Impact Factor: 1.273
DOI: 10.1080/03601234.2017.1330070
Quartile: 3
Editorial: Taylor & Francis Ltd, England
ISSN: 0360-1234
- 47. Campos M**, Perruchon C, Karas PA, Karavasilis D, Diez MC, Karpouzias DG. 2017. Bioaugmentation and rhizosphere-assisted biodegradation as strategies for optimization of the dissipation capacity of biobeds. J Environmental Management. 187:103-110.
Impact Factor: 8.91
DOI: 10.1016/j.jenvman.2016.11.031
Quartile: 1

Editorial: Elsevier Science BV, Netherlands
ISSN: 0301-4797

- 48.** George, T. S., Giles, C. D., Menezes-Blackburn, D., Condrón, L. M., Paredes C, Seguel A, **Paredes C, Poblete-Grant P**,Haygarth, P. M. 2017. Organic phosphorus in the terrestrial environment: a perspective on the state of the art and future priorities. *Plant and Soil*. 427: 191–208.
Impact Factor: 4.993
DOI: 10.1007/s11104-017-3391-x
Quartile: 1
Editorial: Springer, USA
ISSN: 0032-079X
- 49.** **Pontigo S**, Godoy K, Jiménez H, Gutiérrez-Moraga A, Mora ML, Cartes P. 2017. Silicon-Mediated Alleviation of Aluminum Toxicity by Modulation of Al/Si Uptake and Antioxidant Performance in Ryegrass Plants. *Front Plant Sci*. 25;8:642.
Impact Factor: 6.627
DOI: 0.3389/fpls.2017.00642
Quartile: 1
Editorial: Frontiers
Media SA, Switzerland
ISSN: 1664-462X
- 50.** **Luengo Escobar A**, Magnum de Oliveira Silva F, Acevedo P, Nunes-Nesi A, Alberdi M, Reyes-Díaz M. 2017. Different levels of UV-B resistance in *Vaccinium corymbosum* cultivars reveal distinct backgrounds of phenylpropanoid metabolites. *Plant Physiology and Biochemistry*. 118:541-550.
Impact Factor: 5.437
DOI: 10.1016/j.plaphy.2017.07.021
Quartile: 1
Editorial: Elsevier Science
BV, Netherlands
ISSN: 0981-9428
- 51.** Meriño-Gergichevich, C., Reyes-Díaz, M., Guerrero, J., Ondrasek, G. 2017. Physiological and nutritional responses in two highbush blueberry cultivars exposed to deficiency and excess of boron. *Journal of Soil Science and Plant Nutrition*. 17(2), 307-318.
Impact Factor: 3.6
DOI: 10.4067/S0718-95162017005000024
Quartile: 2
Editorial: Springer
ISSN: 0718-9508
- 52.** **Ulloa-Inostroza E**, Alberdi M, Meriño-Gergichevich C, Reyes-Díaz M. 2017. Low doses of exogenous methyl jasmonate applied simultaneously with toxic aluminum improve the antioxidant performance of *Vaccinium corymbosum*. *Plant Soil*. 412, 81–96.
Factor de Impacto: 4.993
DOI: 10.1007/s11104-016-2985-z

Cuartil: 1

Editorial: Springer, USA

ISSN: 1573-5036

- 53. González-Villagra J**, Kurepin LV, Reyes-Díaz MM. 2017. Evaluating the involvement and interaction of abscisic acid and miRNA156 in the induction of anthocyanin biosynthesis in drought-stressed plants. *Planta*. (2):299-312.
Impact Factor: 4.54
DOI: 10.1007/s00425-017-2711-y
Quartile: 1
Editorial: Springer, USA
ISSN: 1432-2048
- 54. Carmona ER**, Reyes-Díaz M, Parodi J, Inostroza-Blancheteau C. 2017. Antimutagenic evaluation of traditional medicinal plants from South America *Peumus boldus* and *Cryptocarya alba* using *Drosophila melanogaster*. *J Toxicol Environ Health A*. (4):208-217.
Impact Factor: 1.805
DOI:10.1080/15287394.2017.1279574
Quartile: 2
Editorial: Taylor & Francis Inc, USA
ISSN: 0098-4108
- 55. Inostroza-Blancheteau C**, Reyes-Díaz M, Berríos G, Rodrigues-Salvador A, Nunes-Nesi A, Deppe M, Demanet R, Rengel Z, Alberdi M. 2017. Physiological and biochemical responses to manganese toxicity in ryegrass (*Lolium perenne* L.) genotypes. *Plant Physiology and Biochemistry*. 113:89-97.
Impact Factor: 5.437
DOI: 10.1016/j.plaphy.2017.02.003
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0981-9428
- 56. Rabert C**, Reyes-Díaz M, Corcuera LJ, Bravo L, Alberdi M. 2017. Contrasting nitrogen use efficiency of Antarctic vascular plants may explain their population expansion in Antarctica. *Polar Biology*. 40, 1569–1580.
Impact Factor: 2.198
DOI: 10.1007/s00300-017-2079-2
Quartile: 3
Editorial: Springer, USA
ISSN: 0722-4060
- 57. Luengo Escobar A**, Alberdi M, Acevedo P, Machado M, Nunes-Nesi A, Inostroza-Blancheteau C, Reyes-Díaz M. 2017. Distinct physiological and metabolic reprogramming by highbush blueberry (*Vaccinium corymbosum*) cultivars revealed during long-term UV-B radiation. *Physiologia Plantarum*. 1:46-64.
Impact Factor: 5.081
DOI:10.1111/ppl.12536
Quartile: 1
Editorial: Wiley, USA
ISSN: 0031-9317

58. Reyes-Díaz M, Inostroza-Blancheteau C, Berríos G, Deppe M, Demanet R, Alberdi M. 2017. Physiological traits and Mn transporter genes expression in ryegrass genotypes under increasing Mn at short-term. *Plant Physiology and Biochemistry*. 118:218-227.
Impact Factor: 5.437
DOI: 10.1016/j.plaphy.2017.06.023
Quartile: 1
Editorial: Elsevier Science BV, Netherlands
ISSN: 0981-9428
59. Santander C, Aroca R, Ruiz-Lozano JM, Olave J, Cartes P, Borie F, Cornejo P. 2017. Arbuscular mycorrhiza effects on plant performance under osmotic stress. *Mycorrhiza* 27, 639–657.
Impact Factor: 3.856
DOI: 10.1007/s00572-017-0784-x
Quartile: 1
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