

Publicaciones WoS (ISI) Doctorado en Ciencias de Recursos Naturales

Año: 2013

Publicaciones Totales: 76

Publicaciones Alumnos de Doctorado: 21

Publicaciones Alumnos de Magister: 0

Publicaciones con investigadores extranjeros: 54

1. Acevedo, F., M. Rubilar, E. Scheuermann, B. Cancino, E. Uquiche, M. Garcés, K. Inostroza & C. Shene. 2013. Spent coffee grounds as a renewable source of bioactive compounds. *Journal of Biobased Materials and Bioenergy* 7(3): 420-428.

Impact Factor: 0.586

DOI: 10.1166/jbmb.2013.1369

Quartile: 4

Editorial: Amer. Scientific Publishers, USA

ISSN: 1556-6560

2. **Acuña, J.J.***, M. Jorquera, **P. Barra***, D. Crowley & M.L. Mora. 2013. Selenobacteria selected from the rhizosphere as a potential tool for Se biofortification of wheat crops. *Biology and Fertility of Soils* 49(2): 175-185.

Impact Factor: 3.396

DOI: 10.1007/s00374-012-0705-2

Quartile: 1

Editorial: Springer, USA

ISSN: 0178-2762

3. **Alfaro, S.***, A. Mutis, R. Palma, A. Quiroz, I. Seguel & E. Sheuermann. 2013. Influence of genotype and harvest year on polyphenols content and antioxidant activity in murtila (*Ugni molinae* Turcz) fruits. *Journal of Soil Science and Plant Nutrition* 13(1): 67-78.

Impact Factor: 0.582

DOI: 10.4067/S0718-9516201200500005

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

4. Altamirano, A., C. Salas, V. Yaitul, C. Smith-Ramirez & A. Ávila. 2013. Influencia de la heterogeneidad del paisaje en la ocurrencia de incendios forestales en Chile Central. *Revista de Geografía Norte Grande* 55: 157-170.

Impact Factor: 0.232

DOI: no information

Quartile: 4

Editorial: Pontificia Univ. Católica Chile, Chile

ISSN: 0718-3402

5. Antileo, C., H. Medina, C. Bornhardt, C. Muñoz, F. Jaramillo & J. Proal. 2013. Actuators monitoring system for real-time control of nitrification-denitrification via nitrite on long term operation. *Chemical Engineering Journal* 223: 467-478.

Impact Factor: 4.058

DOI: 10.1016/j.cej.2013.02.079

Quartile: 1

Editorial: Elsevier Science SA, Suiza

ISSN: 1385-8947

6. Barrientos, L., C. Herrera, G. Montenegro, X. Ortega, J. Veloz, M. Alvear, A. Cuevas, N. Saavedra & L.A. Salazar. 2013. Chemical and botanical characterization of Chilean propolis and biological activity on cariogenic bacteria *Streptococcus mutans* and *Streptococcus sobrinus*. *Brazilian Journal of Microbiology* 44(2): 577-585.

Impact Factor: 0.452

DOI: no information

Quartile: 4

Editorial: Soc. Brasileira Microbiologia, Brazil

ISSN: 1517-8382

7. Bezama, A., C. Douglas, J. Méndez, N. Szarka, E. Muñoz, R. Navia, S. Schock, O. Konrad & C. Ulloa. 2013. Life cycle comparison of waste-to-energy alternatives for municipal waste treatment in the Chilean Patagonia. *Waste Management & Research* 31(10): 67-74.

Impact Factor: 1.114

DOI: 10.1177/0734242X13499810

Quartile: 3

Editorial: Sage Publications, England

ISSN: 0734-242x

8. Cornejo, P., J. Pérez-Tienda, **S. Meier***, A. Valderas, F. Borie, C. Azcón-Aguilar & N. Ferrol. 2013. Copper compartmentalization in spores as a survival strategy of arbuscular mycorrhizal fungi in Cu-polluted environments. *Soil Biology and Biochemistry* 57: 925-928.

Impact Factor: 4.41

DOI: 10.1016/j.soilbio.2012.10.031

Quartile: 1

Editorial: Pergamon-Elsevier Science Ltd., England

ISSN: 0038-0717

9. **Cruces, E.***, P. Huovinen & I. Gomez. 2013. Interactive effects of UV radiation and enhanced temperature on photosynthesis, phlorotannin induction and antioxidant activities of two subAntarctic brown algae. *Marine Biology* 160(1): 1-13.

Impact Factor: 2.393

DOI: 10.1007/s00227-012-2049-8

Quartile: 1

Editorial: Springer, USA

ISSN: 0025-3162

10. Delgado, M.*, A. Zuñiga-Feest, M. Alvear & F. Borie. 2013. The effect of phosphorus on cluster-root formation and functioning of *Embothrium coccineum*. *Plant & Soil* 373(1-2): 765-773.

Impact Factor: 3.235

DOI: 10.1007/s11104-013-1829-3

Quartile: 1

Editorial: Springer, Netherlands

ISSN: 0032-079X

11. Diez M.C., G. Tortella, G. Briceño, M.P. Castillo, J. Díaz, G. Palma, C. Altamirano, C. Calderon & O. Rubilar. 2013. Influence of novel lignocellulosic residues in a biobed biopurification system on the degradation of pesticides applied in repeatedly high doses. *Electronic Journal of Biotechnology* 16(6): 1-17.

Impact Factor: 0.647

DOI: 10.2225/vol16-issue6-fulltext-17

Quartile: 4

Editorial: Univ. Catolica de Valparaiso

ISSN: 0717-3458

12. Diez, M.C., M. Levio, G. Briceño, O. Rubilar, G. Tortella & F. Gallardo. 2013. Biochar as a partial replacement of peat in pesticide-degrading biomixtures formulated with different soil types. *Journal of Biobased Materials and Bioenergy* 7(6): 741-747.

Impact Factor: 0.586

DOI: 10.1166/jbmb.2013.1376

Quartile: 4

Editorial: Amer. Scientific Publisher, USA

ISSN: 1556-6560

13. Donoso-Nanculao, G., M. Castro, D. Navarrete, L.A. Bravo & L.J. Corcuera. 2013. Effect of auxin on cluster roots induction in *Embothrium coccineum* JR Forst. & G. Forst. in phosphorus deficiency condition. *Chilean Journal of Agricultural Research* 73(3): 220-224.

Impact Factor: 0.538

DOI: 10.4067/S0718-58392013000300003

Quartile: 3

Editorial: Inst. Investigaciones Agropecuarias, Chile

ISSN: 0718-5839

14. Duran, P., **J.J. Acuña***, M. Jorquera, R. Azcón, F. Borie, P. Cornejo & M.L. Mora. 2013. Enhanced selenium content in wheat grain by co-inoculation of selenio-bacteria and arbuscular mycorrhizal fungi. A preliminary study as a potential Se fortification strategy. *Journal of Cereal Science* 57(3): 275-280.

Impact Factor: 1.943

DOI: 10.1016/j.jcs.2012.11.017

Quartile: 1

Editorial: Academic Press Ltd., England

ISSN: 0733-5210

15. Farías, J.G., D. Jiménez, J. Osorio, A.B. Zepeda, C. Figueroa & V. Pulgar. 2013. Acclimatization to chronic intermittent hypoxia in mine workers: a challenge to mountain medicine in Chile. *Biological Research* 46(1): 59-67.

Impact Factor: 1.041

DOI: no information

Quartile: 3

Editorial: Soc. Biología Chile, Chile

ISSN: 0716-9760

16. Fuentes, M.S., G. Briceño, J.M. Saez, C.S. Benimeli, M.C. Diez & M.J. Amoroso. 2013. Enhanced removal of a pesticides mixture by single cultures and consortia of free and immobilized *Streptomyces* strains. *BioMed Research International* 2013: <http://dx.doi.org/10.1155/2013/392573>.

Impact Factor: not available

DOI: 10.1155/2013/392573

Quartile: 4

Editorial: Hindawi Publishing Corporation, USA

ISSN: 2314-6133

17. Gaitán-Espitúa, J.D., R.F. Nespolo & J.C. Opazo. 2013. The complete mitochondrial genome of the land snail *Cornu aspersum* (Helicidae: Mollusca): intra-specific divergence of protein-coding genes and phylogenetic considerations within Euthyneura. *PLoS One* 8(6):e67299.

Impact Factor: 3.534

DOI: 10.1371/journal.pone.006729

Quartile: 1

Editorial: Public Library Science, USA

ISSN: 1932-6203

18. Garrido-Ramírez, E., M.L. Mora, J. Marco & M. Ureta-Zañartu. 2013. Characterization of nanostructured allophane clays and their use as support of iron species in a heterogeneous electro-Fenton system. *Applied Clay Science* 86: 153-161.

Impact Factor: 2.703

DOI: 10.1016/j.clay.2013.10.001

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 0169-1317

19. González, M.E.*, M. Cea, N. Sangaletti, A. González, C. Toro, M.C. Diez, N. Moreno, X. Querol & R. Navia. 2013. Biochar derived from agricultural and forestry residual biomass: characterization and potential application for enzymes immobilization. *Journal of Biobased Materials and Bioenergy* 7(6): 724-732.

Impact Factor: 0.586

DOI: 10.1166/jbmb.2013.1373

Quartile: 4

Editorial: Amer. Scientific Publishers, USA

ISSN: 1556-6560

20. Greiner, R., U. Konietzny, D. Menezes-Blackburn & M.A. Jorquera. 2013. Production of partially phosphorylated myo-inositol phosphates using phytases immobilised on magnetic nanoparticles. *Bioresource Technology* 142: 375-383.

Impact Factor: 5.039

DOI: 10.1016/j.biortech.2013.05.050

Quartile: 1

Editorial: Elsevier Sci. Ltd., England

ISSN: 0960-8524

21. Guerrero, L., R. Chamy, D. Jeison, S. Montalvo & C. Huiliñir. 2013. Behavior of the anaerobic treatment of tannery wastewater at different initial pH values and sulfate concentrations. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering* 48(9): 1073-1078.

Impact Factor: 1.135

DOI: 10.1080/10934529.2013.773827

Quartile: 3

Editorial: Taylor & Francis Inc., USA

ISSN: 1093-4529

22. Hemmelmann, A., **A. Torres***, C. Vergara, A. Azocar & D. Jeison. 2013. Application of anaerobic membrane bioreactors for the treatment of protein containing wastewaters under saline conditions. *Journal of Chemical Technology and Biotechnology* 88(4): 658-663.

Impact Factor: 2.494

DOI: 10.1002/jctb.3882

Quartile: 1

Editorial: Wiley-Blackwell, USA

ISSN: 0268-2575

23. **Hidalgo, P.***, C. Toro, G. Ciudad & R. Navia. 2013. Advances in direct transesterification of microalgal biomass for biodiesel production. *Reviews in Environmental Science and Biotechnology* 12(2): 179-199.

Impact Factor: 2.263

DOI: 10.1007/s11157-013-9308-0

Quartile: 2

Editorial: Springer, Netherlands

ISSN: 1569-1705

24. Inostroza-Blancheteau, C., M. Reyes-Díaz, M. Alberdi, K. Godoy, Y. Rojas-Lillo, P. Cartes & M.L. Mora. 2013. Influence of selenite on selenium uptake, differential antioxidant performance and gene expression of sulfate transporters in wheat genotypes. *Plant and Soil* 369(1-2): 47-59.

Impact Factor: 3.235

DOI: 10.1007/s11104-012-1492-0

Quartile: 1

Editorial: Springer, Netherlands

ISSN: 0032-079X

25. Inostroza-Blancheteau, C., F. Aquea, R. Loyola, J. Slovin, S. Josway, Z. Rengel, M. Reyes-Díaz, M. Alberdi & P. Arce-Johnson. 2013. Molecular characterisation of a calmodulin gene, VcCaM1, that is differentially expressed under aluminium stress in highbush blueberry. *Plant Biology* 15(6): 1013-1018.

Impact Factor: 2.405

DOI: 10.1111/j.1438-8677.2012.00722.x

Quartile: 2

Editorial: Wiley-Blackwell, USA

ISSN: 1435-8603

26. Inostroza, K., E. Scheuermann & N. Sepúlveda. 2013. Stearoyl CoA Desaturase and Fatty Acid Synthase gene polymorphisms and milk fatty acid composition in Chilean Black Friesian cows. *Revista Colombiana de Ciencias Pecuarias (RCCP)* 26(4): 263-269.

Impact Factor: 0.165

DOI: sin información

Quartile: 4

Editorial: Univ Antioquia, Colombia

ISSN: 0120-0690

27. Jorquera, M., N. Saavedra, F. Maruyama, A. Richardson, D. Crowley, R. Catrilaf, E. Henriquez & M.L. Mora. 2013. Phytate addition to soil induces changes in the abundance and expression of *Bacillus* beta-propeller phytase genes in the rhizosphere. *FEMS Microbiology Ecology* 83(2): 352-360.

Impact Factor: 3.875

DOI: 10.1111/j.1574-6941-2012.01480.x

Quartile: 1

Editorial: Wiley-Blackwell, USA

ISSN: 0168-6496

28. Kahhat, R. & R. Navia. 2013. A reverse supply chain can enhance waste management programs. *Waste Management & Research* 31(11): 1081-1082.

Impact Factor: 1.114

DOI: 10.1177/0734242X13509722

Quartile: 3

Editorial: Sage Publications, England

ISSN: 0734-242x

29. Kumar, V., P. Singh, M.A. Jorquera, P. Sangwan, P. Kumar, A.K. Verma & S. Agrawal. 2013. Isolation of phytase-producing bacteria from Himalayan soils and their effect on growth and phosphorus uptake of Indian mustard (*Brassica juncea*). *World Journal of Microbiology and Biotechnology* 29(8): 1361-1369.

Impact Factor: 1.353

DOI: 10.1007/s11274-013-1299-z

Quartile: 3

Editorial: Springer, USA

ISSN: 0959-3993

30. Mariangel, E., M. Reyes-Díaz, W. Lobos, E. Bensch, H. Schalchli & P. Ibarra. 2013. The antioxidant properties of calafate (*Berberis microphylla*) fruits from four different locations in southern Chile. *Ciencia e Investigación Agraria* 40(1): 161-170.

Impact Factor: 0.283

DOI: no information

Quartile: 4

Editorial: Pontificia Univ. Católica Chile, Chile

ISSN: 0718-1620

31. Medel, V.*, B. Molina, J. Seguel, R. Rebolledo & A. Quiroz. 2013. Morfología e histología del sistema digestivo del berrito del frambueso *Aegorhinus superciliosus* (Coleoptera: Curculionidae). Revista Colombiana de Entomología 39(2): 260-266.

Impact Factor: 0.331

DOI: no information

Quartile: 4

Editorial: Soc. Colombiana Entomologia-Socolen, Colombia

ISSN: 0120-0488

32. Menezes-Blackburn, D.*, M. Jorquera, R. Greiner, L. Gianfreda & M.L. Mora. 2013. Phytases and phytase-labile organic phosphorus in manures and soils. Critical Reviews in Environmental Science and Technology 43(9): 916-954.

Impact Factor: 3.238

DOI: 10.1080/10643389.2011.627019

Quartile: 1

Editorial: Taylor & Francis Inc., USA

ISSN: 1064-3389

33. Millaleo, R.*, M. Reyes-Díaz, M. Alberdi, A.G. Ivanov, M. Krol & N.P.A. Hüner. 2013. Excess manganese differentially inhibits photosystem I versus II in *Arabidopsis thaliana*. Journal of Experimental Botany 64(1): 343-354.

Impact Factor: 5.794

DOI: 10.1093/jxb/ers339

Quartile: 1

Editorial: Oxford Univ. Press, England

ISSN: 0022-0957

34. Montero-Sommerfeld, H., L.M. Díaz, M. Alvarez, C. Añazco-Villanueva, F. Matus, N. Boon, P. Boeckx & D. Huygens. 2013. High winter diversity of arbuscular mycorrhizal fungal communities in shallow and deep grassland soils. Soil Biology and Biochemistry 65: 236-244.

Impact Factor: 4.41

DOI: 10.1016/j.soilbio.2013.06.002

Quartile: 1

Editorial: Pergamon-Elsevier Ltd., England

ISSN: 0038-0717

35. Navarrete-Campos, D., L.A. Bravo, R.A. Rubilar, V. Emhart & R. Sanhueza. 2013. Drought effects on water use efficiency, freezing tolerance and survival of *Eucalyptus globulus* and *Eucalyptus globulus* x *nitens* cuttings. New Forests 44(1): 119-134.

Impact Factor: 1.783

DOI: 10.1007/s11056-012-9305-0

Quartile: 1

Editorial: Springer, Netherlands

ISSN: 0169-4286

36. Navia, R. 2013. A special issue on advanced uses of biochar and co-products: giving added value to lignocellulosic and residual biomass. Journal of Biobased Materials & Bioenergy 7(6): 665-666.

Impact Factor: 0.586

DOI: 10.1166/jbmb.2013.1399

Quartile: 4

Editorial: Amer. Scientific Publishers, USA

ISSN: 1556-6560

37. Neculman, R.*, C. Rumpel, F. Matus, R. Godoy, M. Steffense & M.L. Mora. 2013. Organic matter stabilisation in two Andisols of contrasting age under temperate rain forest. *Biology and Fertility of Soils* 49(6): 681-689.

Impact Factor: 3.396

DOI: 10.1007/s00374-012-0758-2

Quartile: 1

Editorial: Springer, USA

ISSN: 0178-2762

38. Nery, M.F., D.J. González & J.C. Opazo. 2013. How to make a dolphin: molecular signature of positive selection in cetacean genome. *PLoS One* 8(6): e65491.

Impact Factor: 3.534

DOI: 10.1371/journal.pone.0065491

Quartile: 1

Editorial: Public Library Science, USA

ISSN: 1932-6203

39. Nery, M.F., J.I. Arroyo & J.C. Opazo. 2013. Accelerated evolutionary rate of the myoglobin gene in long-diving whales. *Journal of Molecular Evolution* 76(6): 380-387.

Impact Factor: 1.863

DOI: 10.1007/s00239-013-9572-1

Quartile: 3

Editorial: Springer, USA

ISSN: 0022-2844

40. Nery, M.F., J.I. Arroyo & J.C. Opazo. 2013. Genomic organization and differential signature of positive selection in the alpha and beta globin gene clusters in two cetacean species. *Genome Biology and Evolution* 5(12): 2359-2367.

Impact Factor: 4.532

DOI: 10.1093/gbe/evu176

Quartile: 1

Editorial: Oxford Univ. Press, England

ISSN: 1759-6653

41. Opazo, J.C., G.T. Butts, M.F. Nery, J.F. Storz & F.G. Hoffmann. 2013. The role of whole-genome duplication in promoting the functional diversification of teleost fish hemoglobins. *Molecular Biology and Evolution* 30(1): 140-153.

Impact Factor: 14.308

DOI: 10.1093/molbev/mss212

Quartile: 1

Editorial: Oxford Univ. Press, England

ISSN: 0737-4038

42. Palma, R.*, A. Mutis, R. Isaacs & A. Quiroz. 2013. Type and distribution of sensilla in the antennae of the red clover root borer, *Hylastinus obscurus*. Journal of Insect Science 13(133): 1-10.

Impact Factor: 0.921

DOI: 10.1673/031.013.13301

Quartile: 2

Editorial: Univ Arizona, USA

ISSN: 1536-2442

43. Parra, L., C. Rojas, A. Catrileo, R. Galdames, A. Mutis, M. Birkett & A. Quiroz. 2013. Differences in the fly-load of *Haematobia irritans* (Diptera: Muscidae) on cattle is modified by endophyte infection of pastures. Electronic Journal Biotechnology 16(5): 4.

Impact Factor: 0.647

DOI: 10.2225/vol16-issue5-fulltext-4

Quartile: 4

Editorial: Univ Catolica de Valparaiso, Chile

ISSN: 0717-3458

44. Parra, L., A. Mutis, F. Ortega & A. Quiroz. 2013. Field response of *Hylastinus obscurus* Marsham (Coleoptera: Curculionidae) to *E*-2-hexenal and limonene, two host derived semiochemicals. Ciencia e Investigación Agraria 40(3): 637-642.

Impact Factor: 0.283

DOI: no information

Quartile: 4

Editorial: Pontificia Univ. Catolica Chile, Chile

ISSN: 0718-1620

45. Pino, J.A., N. Osses, D. Oyarzun, J.G. Farías, R.D. Moreno & J.G. Reyes. 2013. Differential effects of temperature on reactive oxygen/nitrogen species production in rat pachytene spermatocytes and round spermatids. Reproduction 145(2): 203-212.

Impact Factor: 3.262

DOI: 10.1530/REP-12-0330

Quartile: 1

Editorial: Bioscientifia Ltd., England

ISSN: 1470-1626

46. Rabert, C., D. Weinacker & J.G. Farías. 2013. Recombinants proteins for industrial uses: utilization of *Pichia pastoris* expression system. Brazilian Journal of Microbiology 44(2): 351-356.

Impact Factor: 0.452

DOI: no information

Quartile: 4

Editorial: Soc. Brasileira Microbiologia, Brazil

ISSN: 1517-8382

47. Ramirez-Flores, J.C. & J. Bachmann. 2013. Analyzing capillary-rise method settings for contact-angle determination of granular media. *Journal of Plant Nutrition and Soil Science* 176(1): 19-26.

Impact Factor: 1.663

DOI: 10.1002/jpln.201100431

Quartile: 1

Editorial: Wiley-V CH Verlag, Alemania

ISSN: 1436-8730

48. Ribera-Fonseca, A., C. Inostroza-Blancheteau, P. Cartes, Z. Rengel & M.L. Mora. 2013. Early induction of Fe-SOD gene expression is involved in tolerance to Mn toxicity in perennial ryegrass. *Plant Physiology and Biochemistry* 73: 77-82.

Impact Factor: 2.352

DOI: 10.1016/j.plaphy.2013.08.012

Quartile: 2

Editorial: Elsevier France-Editions Scientifiques Medicales Elsevier, France

ISSN: 0981-9428

49. Ribera, A., M. Reyes-Díaz, M. Alberdi, D. Alvarez-Cortez, Z. Rengel & M.L. Mora. 2013. Photosynthetic impairment caused by manganese toxicity and associated antioxidative responses in perennial ryegrass. *Crop & Pasture Science* 64(7): 696-707.

Impact Factor: 1.284

DOI: 10.1071/CP13161

Quartile: 1

Editorial: Csiro Publishing, Australia

ISSN: 1836-0947

50. Romo, E., D. Weinacker, A.B. Zepeda, P. Chavez-Crooker & J.G. Farías. 2013. Bacterial consortium for copper extraction from sulphide ore consisting mainly of chalcopyrite. *Brazilian Journal of Microbiology* 44 (2): 523-528.

Impact Factor: 0.452

DOI: no information

Quartile: 4

Editorial: Soc. Brasileira Microbiologia, Brazil

ISSN: 1517-8382

51. Rubilar, O., M. Rai, G. Tortella, M.C. Diez, A.B. Seabra & N. Durán. 2013. Biogenic nanoparticles: copper, copper oxides, copper sulphides, complex copper nanostructures and their applications. *Biotechnology Letters* 35(9): 1365-1375.

Impact Factor: 1.736

DOI: 10.1007/s10529-013-1239-x

Quartile: 3

Editorial: Springer, Netherlands

ISSN: 0141-5492

52. Sáez, P., L.A. Bravo, K. Sáez, M. Sanchez-Olate, M. Latsague & D. Ríos. 2013. Light energy management in micropropagated plants of *Castanea sativa*, effects of photoinhibition. *Plant Science* 201-202: 12-24.

Impact Factor: 4.114

DOI: 10.1016/j.plantsci.2012.11.008

Quartile: 1

Editorial: Elsevier Ireland Ltd., Ireland

ISSN: 0168-9452

53. Sangaletti, N., M. Cea, M.A.B. Regitano-d'Arce, T.M.F.S. Vieira & R. Navia. 2013. Enzymatic transesterification of soybean ethanolic miscella for biodiesel production. *Journal of Chemical Technology & Biotechnology* 88(11): 2098-2106.

Impact Factor: 2.494

DOI: 10.1002/jctb.4080

Quartile: 1

Editorial: Wiley-Blackwell, USA

ISSN: 0268-2575

54. Schnettler, B., M. Denegri, H. Miranda, J. Sepúlveda, L. Orellana, G. Paiva & K.G. Grunert. 2013. Hábitos alimentarios y bienestar subjetivo en estudiantes universitarios del sur de Chile. *Nutrición Hospitalaria* 28(6): 2221-2228.

Impact Factor: 1.250

DOI: 10.3305/nh.2013.28.6.6751

Quartile: 4

Editorial: Aula Medica Ediciones, Spain

ISSN: 0212-1611

55. Schnettler, B., G. Crisóstomo, J. Sepúlveda, M. Mora, G. Lobos, H. Miranda & K.G. Grunert. 2013. Food neophobia, nanotechnology and satisfaction with life. *Appetite* 69: 71-79.

Impact Factor: 2.520

DOI: 10.1016/j.appet.2013.05.014

Quartile: 2

Editorial: Academic Press Ltd., England

ISSN: 0195-6663

56. Schnettler, B., H. Miranda, J. Sepúlveda, M. Denegri, M. Mora, G. Lobos & K.G. Grunert. 2013. Psychometric properties of the satisfaction with food-related life scale: application in southern Chile. *Journal of Nutrition Education and Behavior* 45(5): 443-449.

Impact Factor: 1.474

DOI: 10.1016/j.neb.2010.08.003

Quartile: 4

Editorial: Elsevier Science Inc., USA

ISSN: 1499-4046

57. Schnettler, B., J.P. Peña, M. Mora, H. Miranda, J. Sepúlveda, M. Denegri & G. Lobos. 2013. Estilos de vida en relación a la alimentación y hábitos alimentarios dentro y fuera del hogar en la Región Metropolitana de Santiago, Chile. *Nutrición Hospitalaria* 28(4): 1266-1273.

Impact Factor: 1.250

DOI: 10.3305/nh.2013.28.46465

Quartile: 4

Editorial: Aula Medica Ediciones, Spain
ISSN: 0212-1611

58. Schnettler, B., H. Miranda, M. Mora, N. Mills, G. Lobos, J-L. Viviani, J. Sepúlveda, L. Orellana & M. Denegri. 2013. Acculturation and food consumption among the main indigenous people in Chile. *International Journal of Intercultural Relations* 37(2): 249-259.

Impact Factor: 1.216

DOI: 10.1016/j.ijintrel.2012.08.003

Quartile: 3

Editorial: Pergamon-Elsevier Science Ltd., England

ISSN: 0147-1767

59. Schnettler, B., G. Crisóstomo, N. Mills, H. Miranda, M. Mora, G. Lobos & K.G. Grunert. 2013. Preferences for sunflower oil produced conventionally, produced with nanotechnology or genetically modified in the Araucanía Region of Chile. *Ciencia e Investigación Agraria* 40(1): 17-29.

Impact Factor: 0.283

DOI: no information

Quartile: 4

Editorial: Pontificia Univ. Católica Chile, Chile

ISSN: 0718-1620

60. Seguel, A.*, J. Cumming, K. Klug-Stewart, P. Cornejo & F. Borie. 2013. The role of arbuscular mycorrhizas in decreasing Aluminum phytotoxicity in acidic soils: A review. *Mycorrhiza* 23(3): 167-183.

Impact Factor: 2.985

DOI: 10.1007/s00572-013-0479

Quartile: 2

Editorial: Springer, USA

ISSN: 0940-6360

61. Shene, C., A. Leyton, M. Rubilar, M. Pinelo, F. Acevedo & E. Morales. 2013. Production of lipids and docosahexaenoic acid (DHA) by a native *Thraustochytrium* strain. *European Journal of Lipid Science and Technology* 115(8): 890-900.

Impact Factor: 2.033

DOI: 10.1002/ejlt.201200417

Quartile: 2

Editorial: Wiley-Blackwell, USA

ISSN: 1438-7697

62. Shene, C., M.J. Spuler, A. Leyton, C. Duarte, F. Acevedo & M. Rubilar. 2013. Pancreatic lipase activity in emulsions containing seed meals: Effect of extrusion. *European Journal of Lipid Science and Technology* 115(2): 217-223.

Impact Factor: 2.033

DOI: 10.1002/ejlt.201200211

Quartile: 2

Editorial: Wiley-Blackwell, USA

ISSN: 1438-7697

63. Silva-Weiss, A.*, M. Ihl, P.J.A. Sobral, M.C. Gomez-Guillen & V. Bifani. 2013. Natural Additives in bioactive edible films and coatings: functionality and applications in foods. *Food Engineering Reviews* 5(4): 200-216.

Impact Factor: 3.036

DOI: 10.1007/s12393-013-9072-5

Quartile: 1

Editorial: Springer, USA

ISSN: 1866-7910

64. Silva-Weiss, A.*, V. Bifani, M. Ihl, P.J.A. Sobral & M.C. Gómez-Guillén. 2013. Structural properties of films and rheology of film-forming solutions based on chitosan and chitosan-starch blend enriched with murta leaf extract. *Food Hydrocolloids* 31(2): 458-466.

Impact Factor: 4.280

DOI: 10.1016/j.foodhyd.2012.11.028

Quartile: 1

Editorial: Elsevier Sci Ltd, England

ISSN: 0268-005X

65. Storz, J.F., J.C. Opazo & F.G. Hoffmann. 2013. Gene duplication, genome duplication, and the functional diversification of vertebrate globins. *Molecular Phylogenetics and Evolution* 66(2): 469-478.

Impact Factor: 4.018

DOI: 10.1016/j.ympev.2012.07.013

Quartile: 1

Editorial: Academic Press INC Elsevier Science, USA

ISSN: 1055-7903

66. Toro, C., M. Reddy, R. Navia, M. Rivas, M. Misra & A. Mohanty. 2013. Characterization and application in biocomposites of residual microalgal biomass generated in third generation biofuel production. *Journal of Polymers and the Environment* 21(4): 944-951.

Impact Factor: 1.628

DOI: 10.1007/s10924-013-0609-8

Quartile: 2

Editorial: Springer/Plenum Publishers, USA

ISSN: 1566-2543

67. Tortella, G.R., O. Rubilar, M. Cea, G. Briceño, A. Quiroz, M.C. Diez & L. Parra. 2013. Natural wastes rich in terpenes and their relevance in the matrix of an on-farm biopurification system for the biodegradation of atrazine. *International Biodeterioration & Biodegradation* 85: 8-15.

Impact Factor: 2.235

DOI: 10.1016/j.ibiod.2013.06.003

Quartile: 2

Editorial: Elsevier Sci. Ltd., England

ISSN: 0964-8305

68. Tortella, G., R. Mella-Herrera, D. Sousa, O. Rubilar, G. Briceño, L. Parra & M.C. Diez. 2013. Carbendazim dissipation in the biomixture of on-farm biopurification systems and its effect on microbial communities. *Chemosphere* 93(6): 1084-1093.

Impact Factor: 3.499



DOI: 10.1016/j.chemosphere.2013.05.084

Quartile: 1

Editorial: Pergamon-Elsevier Science Ltd., England

ISSN: 0045-6535

69. Tortella, G.R., O. Rubilar, L. Stenström, M. Cea, G. Briceño, A. Quiroz, M.C. Diez & L. Parra. 2013. Using volatile organic compounds to enhance atrazine biodegradation in a biobed system. *Biodegradation Journal* 24(5): 711-720.

Impact Factor: 2.492

DOI: 10.1007/s10532-013-9619-4

Quartile: 2

Editorial: Springer, USA

ISSN: 0923-9820

70. Tortella, G.R., R. Mella-Herrera, D.Z. Sousa, O. Rubilar, **J.J. Acuña***, G. Briceño & M.C. Diez. 2013. Atrazine dissipation and its impact on the microbial communities and community level physiological profiles in a microcosm simulating the biomixture of on-farm biopurification system. *Journal of Hazardous Materials* 260: 459-467.

Impact Factor: 4.331

DOI: 10.1016/j.jhazmat.2013.05.059

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 0045-6535

71. **Ulloa, P.E.***, A.A. Peña, C.D. Lizama, C. Araneda, P. Iturra, R. Neira & J.F. Medrano. 2013. Growth response and expression of muscle growth-related candidate genes in adult zebrafish fed plant and fishmeal protein-based diets. *Zebrafish* 10(1): 99-109.

Impact Factor: 1.772

DOI: 10.1089/zeb.2012.0823

Quartile: 4

Editorial: Mary Ann Liebert Inc, USA

ISSN: 1545-8547

72. **Urrutia C.***, O. Rubilar, G.R. Tortella & M.C. Diez. 2013. Degradation of pesticide mixture on modified matrix of a biopurification system with alternatives lignocellulosic wastes. *Chemosphere* 92(10): 1361-1366.

Impact Factor: 3.499

DOI: 10.1016/j.chemosphere.2013.04.088

Quartile: 1

Editorial: Pergamon-Elsevier Science Ltd., England

ISSN: 0045-6535

73. **Urrutia, C.***, O. Rubilar, **C. Paredes***, E. Benítez, R. Azcón & M.C. Diez. 2013. Removal of pentachlorophenol in a rhizotron system with ryegrass (*Lolium multiflorum*). *Journal of Soil Science and Plant Nutrition* 13(2): 499-510.

Impact Factor: 0.582

DOI: 10.4067/S0718-95162013005000039

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

74. Weinacker, D., C. Rabert, A.B. Zepeda, C. Figueroa & J.G. Farías. 2013. Application of recombinant *Pichia pastoris* in the healthcare industry. *Brazilian Journal of Microbiology* 44(4): 1043-1048.

Impact Factor: 0.452

DOI: no information

Quartile: 4

Editorial: Soc. Brasileira Microbiologia, Brazil

ISSN: 1517-8382

75. Yang, J., H. Spanjers, D. Jeison & J.B. van Lier. 2013. Impact of Na⁺ on biological wastewater treatment and the potential of anaerobic membrane bioreactors: a review. *Critical Reviews in Environmental Science and Technology* 43(24): 2722-2746.

Impact Factor: 3.238

DOI: 10.1080/10643389.2012.694335

Quartile: 1

Editorial: Taylor & Francis Inc., USA

ISSN: 1064-3389

76. Zepeda, A., A. Pessoa, R.L. Castillo, C.A. Figueroa, V.M. Pulgar & J.G. Farías. 2013. Cellular and molecular mechanism in the hypoxic tissue: role of HIF-1 and ROS. *Cell Biochemistry and Function* 31(6): 451-459.

Impact Factor: 2.134

DOI: 10.1002/cbf.2985

Quartile: 3

Editorial: Wiley-Blackwell, USA

ISSN: 0263-6484

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** = Alumno(s) de Magister