

## Publicaciones WoS (ISI) Doctorado en Ciencias de Recursos Naturales

**Año:** 2010

**Publicaciones Totales:** 77

**Publicaciones Alumnos de Doctorado:** 21

**Publicaciones Alumnos de Magister:** 2

**Publicaciones con investigadores extranjeros:** 29

**1. Acevedo, F.\***, L. Pizzul, MdP. Castillo, M.E. González, M. Cea, L. Gianfreda & M.C. Diez. 2010. Degradation of polycyclic aromatic hydrocarbons by free and nanoclay-immobilized manganese peroxidase from *Anthracoophyllum discolor*. *Chemosphere* 80(3): 271-278.

Impact Factor: 3.155

DOI: 10.1016/j.chemosphere.2010.04.022

Quartile: 1

Editorial: Pergamon-Elsevier Science Ltd., England

ISSN: 0045-6535

**2. Aguilera, P.\*\***, G. Briceño, M.L. Mora, R. Demanet & G. Palma. 2010. Effect of liquid cow manure on chemical and biological andisol properties in an Andisol. *Journal of Soil Science and Plant Nutrition* 10(2): 158-169.

Impact Factor: 0.596

DOI: 10.4067/S0718-27912010000200007

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**3. Alarcón, D.**, F. Ortega, F. Perich, F. Pardo, L. Parra & A. Quiroz. 2010. Relationship between radical infestation of *Hylastinus obscurus* (Marsham) and the yield of cultivars and experimental lines of red clover (*Trifolium pratense*). *Journal of Soil Science and Plant Nutrition* 10(2): 115-125.

Impact Factor: 0.596

DOI: 10.4067/S0718-27912010000200003

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**4. Arriagada, C.**, G. Pereira, I. García-Romera & J.A. Ocampo. 2010. Improved zinc tolerance in *Eucalyptus globulus* inoculated with *Glomus deserticola* and *Trametes versicolor* or *Corioloropsis rigida*. *Soil Biology and Biochemistry* 42(1): 118-124.

Impact Factor: 3.242

DOI: 10.1016/j.soilbio.2009.10.011

Quartile: 1

Editorial: Pergamon-Elsevier Science Ltd., England

ISSN: 0038-0717

5. **Azócar, L.\***, G. Ciudad, H. Heipieper & R. Navia. 2010. Biotechnological processes for biodiesel production using alternative oils. *Applied Microbiology and Biotechnology* 88(3): 621-636.

Impact Factor: 3.280

DOI: 10.1007/s00253-010-2804-z

Quartile: 2

Editorial: Springer, USA

ISSN: 0175-7598

6. **Azócar, L.\***, G. Ciudad, H. Heipieper, R. Muñoz & R. Navia. 2010. Improving fatty acid methyl ester production yield in a lipase-catalyzed 3 process using waste frying oils as feedstock. *Journal of Bioscience and Bioengineering* 109(6): 609-614.

Impact Factor: 1.707

DOI: 10.1016/j.jbiosc.2009.12.001

Quartile: 2

Editorial: Soc. Bioscience Bioengineering Japan, Japan

ISSN: 1389-1723

7. Bascuñán-Godoy, L., J.I. García-Plazaola, L.A. Bravo & L.J. Corcuera. 2010. Leaf functional and micro-morphological photoprotective attributes in two ecotypes of *Colobanthus quitensis* from the Andes and Maritime Antarctic. *Polar Biology* 33(7): 885-896.

Impact Factor: 2.027

DOI: 10.1007/s003000-010-0765-4

Quartile: 2

Editorial: Springer, USA

ISSN: 0722-4060

8. Borie, F., R. Rubio, A. Morales, **G. Curaqueo\*** & P. Cornejo. 2010. Arbuscular mycorrhizae in agricultural and forest ecosystem in Chile. *Journal of Soil Science and Plant Nutrition* 10(3): 185-206.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000100001

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

9. Bravo, S., M. Fabres, B. Schnettler & N. Sepúlveda. 2010. Corporal composition and characteristics of carcass of Araucana creole lambs. *International Journal of Morphology* 28(4): 1107-1111.

Impact Factor: 0.363

DOI: no information

Quartile: 4

Editorial: Soc. Chilena Anatomia, Chile

ISSN: 0717-9502

10. **Briceño, G.\***, M. Jorquera, R. Demanet, M.L. Mora, N. Durán & G. Palma. 2010. Effect of cow slurry amendment on atrazine dissipation and bacterial community structure in an agricultural Andisol. *Science of the Total Environment* 408(14): 2833-2839.

Impact Factor: 3.190

DOI: 10.1016/j.scitotenv.2010.03.014

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 0048-9697

**11.** Calaf, G.M., F. Caba, J.G. Farias & F. Rothhammer. 2010. Factors that influence the incidence of breast cancer in Arica, Chile (Review). *Oncology Letters* 1(4): 583-588.

Impact Factor: 0.987

DOI: 10.3892/ol\_00000103

Quartile: 4

Editorial: Hindawi Publishing Corporation, USA

ISSN: 1792-1074

**12.** Cartes, P., A. Jara, L. Pinilla, A. Rosas & M.L. Mora. 2010. Selenium improves the antioxidant ability against aluminium-induced oxidative stress in ryegrass roots. *Annals of Applied Biology* 156(2): 297-307.

Impact Factor: 1.681

DOI: 10.1111/j.1744-7348.2010.00387.x

Quartile: 1

Editorial: Wiley-Blackwell Publishing, USA

ISSN: 0003-4746

**13.** Casanova-Katny, M.A., G.E. Zúñiga, L.J. Corcuera, L.A. Bravo & M. Alberdi. 2010. *Deschampsia antarctica* Desv. primary photochemistry performs differently in plants grown in the field and laboratory. *Polar Biology* 33(4): 477-483.

Impact Factor: 1.445

DOI: 10.1007/s00300-009-0723-1

Quartile: 2

Editorial: Springer, USA

ISSN: 0722-4060

**14.** Castillo, C., R. Rubio, F. Borie & E. Sieverding. 2010. Diversity of arbuscular mycorrhizal fungi in horticultural production systems of Southern Chile. *Journal of Soil Science and Plant Nutrition* 10(4): 407-413.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000200002

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**15.** Cea, M., P. Cartes, G. Palma & M.L. Mora. 2010. Atrazine effectiveness in an Andisol as affected by clays and nanoclays in ethylcellulose controlled release formulation. *Journal of Soil Science and Plant Nutrition* 10(1): 62-77.

Impact Factor: 0.596

DOI: 10.4067/S0718-27912010000100007

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**16.** Cea, M., M. Jorquera, O. Rubilar, H. Langer, G. Tortella & M.C. Diez. 2010. Bioremediation of soil contaminated with pentachlorophenol by *Anthracophyllum discolor* and its effect on soil microbial community. *Journal of Hazardous Materials* 181(1-3): 315-323.

Impact Factor: 3.723

DOI: 10.1016/j.jhazmat.2010.05.013

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 0304-3894

**17.** Cea, M., J.C. Seaman, A. Jara, M.L. Mora & M.C. Diez. 2010. Kinetic and thermodynamic study of Chlorophenol sorption in an Allophanic soil. *Chemosphere* 78(2): 86-91.

Impact Factor: 3.155

DOI: 10.1016/j.chemosphere.2009.10.040

Quartile: 1

Editorial: Pergamon-Elsevier Science Ltd., England

ISSN: 0045-6535

**18.** Coopman, R.E., F.P. Fuentes-Neira, V.F. Briceño, H.M. Cabrera, L.J. Corcuera & L.A. Bravo. 2010. Light energy partitioning in photosystems I and II during development of *Nothofagus nitida* growing under different light environments in the Chilean evergreen temperate rain forest. *Trees* 24(2): 247-259.

Impact Factor: 1.444

DOI: 10.1007/s00468-009-0395-z

Quartile: 1

Editorial: Springer, USA

ISSN: 0931-1890

**19.** Coopman, R.E., J.C. Jara, R. Escobar, L.J. Corcuera & L.A. Bravo. 2010. Genotypic variation in morphology and freezing resistance of *Eucalyptus globulus* seedlings subjected to drought hardening in nursery *Electronic Journal of Biotechnology* 13(1).

Impact Factor: 0.865

DOI: 10.2225/vol13-issue1-fulltext-10

Quartile: 4

Editorial: Univ. Catolica de Valparaiso, Chile

ISSN: 0717-3458

**20.** Cubillos, G., R. Arrué, D. Jeison, R. Chamy, E. Tapia, J. Rodríguez & G. Ruiz-Filippi. 2010. Simultaneous effects of pH and substrate concentration on hydrogenproduction by acidogenic fermentation. *Electronic Journal of Biotechnology* 13(1): 6.

Impact Factor: 0.865

DOI: 10.2225/vol13-issue1-fulltext-6

Quartile: 4

Editorial: Univ. Catolica de Valparaiso, Chile

ISSN: 0717-3458

**21.** Curaqueo, G.\*, E. Acevedo, P. Cornejo, A. Seguel\*, R. Rubio & F. Borie. 2010. Tillage effect on soil organic matter, mycorrhizal hyphae and aggregates in a Mediterranean agroecosystem. *Journal of Soil Science and Plant Nutrition* 10(1): 12-21.

Impact Factor: 0.596  
DOI: 10.4067/S0718-27912010000100002  
Quartile: 4  
Editorial: Soc. Chilena Ciencia Suelo, Chile  
ISSN: 0718-9516

**22.** Devotto, L., C. del Valle, R. Ceballos & M. Gerding. 2010. Biology of *Mastrus ridibundus* (Gravenhorst), a potential biological control agent for area-wide management of *Cydia pomonella* (Linneaus) (Lepidoptera: Tortricidae). *Journal of Applied Entomology* 134(3): 243-250.

Impact Factor: 1.276  
DOI: 10.1111/j.1439-0418.2009.01412.x  
Quartile: 2  
Editorial: Wiley-Blackwell, USA  
ISSN: 0931-2048

**23.** Diez, M.C. 2010. Biological aspects involved in the degradation of organic pollutants. *Journal of Soil Science and Plant Nutrition* 10(3): 261-284.

Impact Factor: 0.596  
DOI: 10.4067/S0718-95162010000100004  
Quartile: 4  
Editorial: Soc. Chilena Ciencia Suelo, Chile  
ISSN: 0718-9516

**24.** Donoso-Ñanculao, G., M. Castro, D. Navarrete, E. Peñaloza, L.A. Bravo & L.J. Corcuera. 2010. Seasonal induction of cluster roots in *Embothrium coccineum* J.R. et G. Foster in the field: factors that regulate their development. *Chilean Journal of Agricultural Research* 70(4): 559-566.

Impact Factor: 0.633  
DOI: no information  
Quartile: 3  
Editorial: Inst. Investigaciones Agropecuarias, Chile  
ISSN: 0718-5820

**25.** Farías, J.G., M. Puebla, A. Acevedo, P.J. Tapia, E. Gutierrez, A. Zepeda, G.M. Calaf, C. Juantok & J.G. Reyes. 2010. Oxidative stress in rat testis and epididymis under intermitted hypobaric hypoxia: protective role of ascorbate supplementation. *Journal of Andrology* 31(3): 314-321.

Impact Factor: 1.69  
DOI: No information  
Quartile: 2  
Editorial: No information  
ISSN: No information

**26.** Gallardo, F., C. Bravo, G. Briceño & M.C. Diez. 2010. Use of sludge from kraft mill wastewater treatment as improver of volcanic soils: effect on soil biological parameters. *Journal of Soil Science and Plant Nutrition* 10(1): 48-61.

Impact Factor: 0.596  
DOI: 10.4067/S0718-27912010000100006  
Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile  
ISSN: 0718-9516

**27. Garrido-Ramírez, E.\***, B.Theng & M.L. Mora. 2010. Clays and oxide minerals as catalysts and nanocatalysts in Fenton-like reactions - A review. *Applied Clay Science* 47(3-4): 182-192.  
Impact Factor: 2.303  
DOI: 10.1016/j.clay.2009.11.044  
Quartile: 1  
Editorial: Elsevier Science BV, Netherlands  
ISSN: 0169-1317

**28. González, A.\***, N. Moreno, R. Navia & X. Querol. 2010. Study of a Chilean petroleum coke fluidized bed combustion fly ash and its potential application in copper, lead and hexavalent chromium removal. *Fuel* 89(10): 3012-3021.  
Impact Factor: 3.604  
DOI: 10.1016/j.fuel.2010.04.032  
Quartile: 1  
Editorial: Elsevier Sci. Ltd., England  
ISSN: 0016-2361

**29. Guerrero, J., L. Ciampi, A. Castilla, F. Medel, H. Schalchli\***, E. Hormazabal, E. Bensch & M. Alberdi. 2010. Antioxidant capacity, anthocyanins and total phenols of wild and cultivated Berries in Chile. *Chilean Journal of Agricultural Research* 70(4): 537-544.  
Impact Factor: 0.538  
DOI: no information  
Quartile: 3  
Editorial: Inst. Investigaciones Agropecuarias, Chile  
ISSN: 0178-5820

**30. Gutiérrez, C., M. Rubilar, C. Jara, M. Verdugo, J. Sineiro & C. Shene.** 2010. Flaxseed and flaxseed cake as a source of compounds for food industry. *Journal Soil Science and Plant Nutrition* 10(4): 454-463.  
Impact Factor: 0.596  
DOI: 10.4067/S0718-95162010000200006  
Quartile: 4  
Editorial: Soc. Chilena Ciencia Suelo, Chile  
ISSN: 0718-9516

**31. Herrera, C.L., O. Fritz, G. Montenegro, M. Alvear, M. Del Sol & L.A. Salazar.** 2010. El propóleos reduce la esteatosis hepática inducida por dieta en ratones. *International Journal Morphology* 28(1): 75-84.  
Impact Factor: 0.363  
DOI: no information  
Quartile: 4  
Editorial: Soc. Chilena Anatomía, Chile  
ISSN: 0717-9502

**32. Herrera, C.L., M. Alvear, L. Barrientos, G. Montenegro & L.A. Salazar.** 2010. Antifungal effect of six commercial extracts of Chilean propolis on *Candida* spp. *Ciencia e Investigación Agraria* 37(1): 75-84.



Impact Factor: 0.528

DOI: no information

Quartile: 2

Editorial: Pontificia Univ. Catolica Chile, Chile

ISSN: 0718-1620

**33.** Hidalgo C., J.D. Etchevers, A. Martínez-Richa, H. Yee-Madeira, H.A. Calderon, R. Vera-Graziano & F. Matus. 2010. Mineralogical characterization of the fine fraction (<2  $\mu\text{m}$ ) of degraded volcanic soils and tepetates in Mexico. *Applied Clay Science* 49(4): 348-358.

Impact Factor: 2.303

DOI: 10.1016/j.clay.2009.11.007

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 0169-1317

**34.** Hoffmann, F.G., J.F. Storz, T.A. Gorr & J.C. Opazo. 2010. Lineage-specific patterns of functional diversification in the  $\alpha$ - and  $\beta$ -globin gene families of tetrapod vertebrates. *Molecular Biology and Evolution* 27(5): 1126-1138.

Impact Factor: 5.510

DOI: 10.1093/molbev/msp325

Quartile: 1

Editorial: Oxford Univ. Press, England

ISSN: 0737-4038

**35.** Huilínir, C., R. Romero, C. Muñoz, C. Bornhardt, M. Roeckel & C. Antileo. 2010. Dynamic modeling of partial nitrification in a rotating disk biofilm reactor: Calibration, validation and simulation. *Biochemical Engineering Journal* 52(1): 7-18.

Impact Factor: 2.692

DOI: 10.1016/j.bej.2010.06.012

Quartile: 2

Editorial: Elsevier Science SA, Suiza

ISSN: 1369-703X

**36.** Inostroza-Blancheteau, C.\*, B. Soto, C. Ibáñez, P. Ulloa, F. Aquea, P. Arce-Johnson & M. Reyes-Díaz. 2010. Mapping aluminum tolerance loci in cereals: A tool available for crop breeding. *Electronic Journal of Biotechnology* 13(4): 4.

Impact Factor: 0.865

DOI: 10.2225/vol13-issue4-fulltext-4

Quartile: 4

Editorial: Univ. Catolica de Valparaiso, Chile

ISSN: 0717-3458

**37.** Jorquera, M., M. Hernández\*, O. Martínez\*, P. Marschner & M.L. Mora. 2010. Detection of aluminium tolerance plasmids and microbial diversity in the rhizosphere of plants grown in acidic volcanic soil. *European Journal of Soil Biology* 46(3-4): 255-263.

Impact Factor: 1.741

DOI: 10.1016/j.ejsobi.2010.03.005

Quartile: 2

Editorial: Elsevier France-Editions Scientifiques Medicales Elsevier, France

ISSN: 1164-5563

**38.** Lienqueo, M.E., C. Shene, A. Quiroga, O. Salazar, J. Salgado & J.A. Asenjo. 2010. Experimental validation of the predictions of a mathematical model for protein purification and tag selection. *Separation Science and Technology* 45: 2153-2164.

Impact Factor: 1.015

DOI: 10.1080/01496395.2010.507434

Quartile: 2

Editorial: Taylor & Fancis Inc., USA

ISSN: 0149-6395

**39.** Lobos, G., J.L. Viviani, B. Schnettler, N. Muñoz & A. Reyes. 2010. Predicting probability to purchase insurance contracts in the Chilean wine industry: a logit and probit comparative analysis. *Ciência e Técnica Vitivinícola* 25(2): 45-51.

Impact Factor: 0.636

DOI: no information

Quartile: 3

Editorial: Estacao Vitivinicola Nacional, Portugal

ISSN: 0254-0223

**40. Martínez-Viveros, O.\***, M. Jorquera, D. Crowley, G. Gajardo & M.L. Mora. 2010. Mechanisms and practical considerations involved in plant growth promotion by rhizobacteria. *Journal of Soil Science and Plant Nutrition* 10(3): 293-319.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000100006

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0178-9516

**41. Meriño-Gergichevich, C.\***, M. Alberdi, A. Ivanov & M. Reyes-Díaz. 2010. Al<sup>3+</sup> - Ca<sup>2+</sup> interaction in plants growing in acid soils: Al-phytotoxicity response to calcareous amendments. *Journal of Soil Science and Plant Nutrition* 10(3): 217-243.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000200003

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0178-9516

**42. Millaleo, R.\***, M. Reyes-Díaz, A. Ivanov, M.L. Mora & M. Alberdi. 2010. Manganese as essential and toxic element for plants: transport, accumulation and resistance mechanisms. *Journal of Soil Science and Plant Nutrition* 10(4): 476-494.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000200008

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile



ISSN: 0178-9516

**43.** Montalba, R., P. Rodríguez, C. Arriagada, M. Alvear & G. Zúñiga. 2010. Effects of conventional and organic nitrogen fertilizers on soil microbial activity, mycorrhizal colonization, leaf antioxidant content, and *Fusarium* wilt in highbush blueberry (*Vaccinium corymbosum* L.). *Scientia Horticulturae* 125(2): 775-778.

Impact Factor: 1.045

DOI: 10.1016/j.scientia.2010.04.046

Quartile: 2

Editorial: Elsevier Science BV, Netherlands

ISSN: 0304-4238

**44.** Mutis, A.\*, L. Parra\*, L. Manosalva\*\*, R. Palma\*, O. Candia\*, M. Lizama, F. Pardo, F. Perich & A. Quiroz. 2010. Electroantennographic and behavioral responses of adults of raspberry weevil *Aegorhinus superciliosus* (Coleoptera: Curculionidae) to odors released from conspecific females. *Environmental Entomology* 39(4): 1276-1282.

Impact Factor: 1.534

DOI: 10.1603/EN10009

Quartile: 2

Editorial: Entomological Soc. Amer., USA

ISSN: 0046-225X

**45.** Navia, R. & D.E. Crowley. 2010. Closing the loop on organic waste management: biochar for agricultural land application and climate change mitigation. *Waste Management & Research* 28(6): 479-480.

Impact Factor: 1.222

DOI: 10.1177/j0734242X10370928

Quartile: 3

Editorial: Sage Publications, England

ISSN: 0734-242X

**46.** Neira, K. & D. Jeison. 2010. Anaerobic co-digestion of surplus yeast and wastewater to increase energy recovery in breweries. *Water Science and Technology* 61(5): 1129-1135.

Impact Factor: 1.056

DOI: 10.2166/wst.2010.052

Quartile: 3

Editorial: I W A Publishing, England

ISSN: 0273-1223

**47.** Nuñez, P.\*, R. Demanet, T. Misselbrook, M. Alfaro & M.L. Mora. 2010. Nitrogen losses under different cattle grazing frequencies and intensities in a volcanic soil of southern Chile. *Chilean Journal of Agricultural Research* 70(2): 237-250.

Impact Factor: 0.538

DOI: no information

Quartile: 3

Editorial: Inst. Investigaciones Agropecuarias, Chile

ISSN: 0718-5820

**48. Núñez, P.\***, R. Demanet, M. Alfaro & M.L. Mora. 2010. Nitrogen soil budgets in contrasting dairy grazing systems of southern Chile, a short-term study. *Journal of Soil Science and Plant Nutrition* 10(2): 170-183.

Impact Factor: 0.596

DOI: 10.4067/S0718-27912010000200008

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0178-9516

**49. Pigna, M., V. Cozzolino, A. Giandonato-Caporale, M.L. Mora, V. Di Meo, A. Jara & A. Violante.** 2010. Effects of phosphorus fertilization on arsenic uptake by wheat grown in polluted soils. *Journal of Soil Science and Plant Nutrition* 10(4): 428-442.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000200004

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0178-9516

**50. Quilodrán, B.\***, I. Hinzpeter, E. Hormazabal, **A. Quiroz** & **C. Shene**. 2010. Docosahexaenoic acid (C22:6n-3, DHA) and astaxanthin production by *Thraustochytriidae* sp. AS4-A1 a native strain with high similitude to *Ulkenia* sp.: Evaluation of liquid residues from food industry as nutrient sources. *Enzyme and Microbial Technology* 47(1-2): 24-30.

Impact Factor: 2.287

DOI: 10.1016/j.enzmictec.2010.04.002

Quartile: 2

Editorial: Elsevier Science Inc., USA

ISSN: 0141-0229

**51. Ramirez, J.C., J. Bachmann & A. Marmur.** 2010. Direct determination of contact angles of model soils in comparison with wettability characterization by capillary rise. *Journal of Hydrology* 382(1-4): 10-19.

Impact Factor: 2.514

DOI: 10.1016/j.jhydrol.2009.12.014

Quartile: 1

Editorial: Elsevier Science BV, Netherlands

ISSN: 0022-1694

**52. Reyes, F., S. Zanetti, A. Espinosa & M. Alvear.** 2010. Biochemical properties in vascular epiphytes substrate from a temperate forest of Chile. *Journal of Soil Science and and Plant Nutrition* 10(2): 126-138.

Impact Factor: 0.596

DOI: 10.4067/S0718-27912010000200004

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**53. Reyes-Díaz, M., C. Inostroza-Blancheteau\*, R. Millaleo\*, E. Cruces\***, C. Wulff-Zottele, M. Alberdi & M.L. Mora. 2010. Long-term aluminum exposure effects on physiological and biochemical features of highbush blueberry cultivars. *Journal of the American Society for Horticultural Science* 135(3): 212-222.

Impact Factor: 0.905

DOI: no information

Quartile: 2

Editorial: Amer. Soc. Horticultural Science, USA

ISSN: 0003-1062

**54.** Reyes, A., V. Bubnovich, R. Bustos, M. Vásquez, R. Vega & E. Scheuermann. 2010. Comparative study of different process conditions of freeze drying of 'Murtilla' berry. *Drying Technology* 28(12): 1416-1425.

Impact Factor: 1.662

DOI: 10.1080/07373937.2010.482687

Quartile: 2

Editorial: Taylor & Francis Inc, USA

ISSN: 0737-3937

**55.** Ribera, A., M.L. Mora, V. Ghiselini, R. Demanet & F. Gallardo. 2010. Phosphorus-molybdenum relationship in soil and red clover (*Trifolium pratense* L.) on an acid andisol. *Journal of Soil Science and Plant Nutrition* 10(1): 78-91.

Impact Factor: 0.596

DOI: 10.4067/S0718-27912010000100008

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0178-9516

**56.** Ribera, A., M. Reyes-Díaz, G. Zuñiga, M. Alberdi & M.L. Mora. 2010. Antioxidant compounds in skin and pulp of fruits change among genotypes and maturity stages in highbush blueberry (*Vaccinium corymbosum* L.) grown in southern Chile. *Journal of Soil Science and Plant Nutrition* 10(4): 509-536.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000200010

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0178-9516

**57.** Rubilar, M., C. Gutiérrez, M. Villarroel & C. Shene. 2010. Influence of separation conditions on antimicrobial activity of polyphenolic fractions from murta leaves extract. *CYTA-Journal of Food* 8(2): 139-149.

Impact Factor: 0.495

DOI: 10.1080/19476330903274161

Quartile: 4

Editorial: Taylor & Francis Ltd., England

ISSN: 1947-6345

**58.** Rubilar, M., C. Gutiérrez, M. Verdugo, C. Shene & J. Sineiro. 2010. Flaxseed as a source of functional ingredients. *Journal Soil Science and Plant Nutrition* 10(3): 373-377.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000100010

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**59.** Salas, C. & T.G. Gregoire. 2010. Statistical analysis of ratio estimators and their estimators of variances when the auxiliary variate is measured with error. *European Journal of Forest Research* 129(5): 847-861.

Impact Factor: 1.682

DOI: 10.1007/s10342-009-0277-3

Quartile: 2

Editorial: Springer, USA

ISSN: 1612-4669

**60.** Salas, C., L. Ene, T.G. Gregoire, E. Naesset & T. Gobakken. 2010. Modelling tree diameter from airborne laser scanning derived variables: a comparison of spatial statistical models. *Remote Sensing of Environment* 114(6): 1277-1285.

Impact Factor: 3.954

DOI: 10.1016/j.rse.2010.01.020

Quartile: 1

Editorial: Elsevier Science Inc., USA

ISSN: 0034-4257

**61.** Salas, C., L. Ene, N. Ojeda & H. Soto. 2010. Métodos estadísticos paramétricos y no-paramétricos para predecir variables de rodal basados en Landsat ETM+: una comparación en un bosque de *Araucaria araucana* en Chile. *Bosque* 31(3): 179-194.

Impact Factor: 0.306

DOI: 10.4067/S0717-92002010000300002

Quartile: 4

Editorial: Univ. Austral Chile, Chile

ISSN: 0717-9200

**62.** Saldaña, A., C. Hernandez, R. Coopman, L.A. Bravo & L.J. Corcuera. 2010. Differences in light usage among three fern species of genus *Blechnum* of contrasting ecological breadth in a forest light gradient. *Ecological Research* 25(2): 273-281.

Impact Factor: 1.279

DOI: 10.1007/s11284-009-0656-8

Quartile: 3

Editorial: Springer Japan KK, Japan

ISSN: 0912-3814

**63.** Sandoval, G., C. Shene, B.A. Andrews & J.A. Asenjo. 2010. Extension of the selection of protein chromatography and the rate model to affinity chromatography. *Journal of Molecular Recognition* 23(6): 609-617.

Impact Factor: 2.286

DOI: 10.1002/jmr.1088

Quartile: 3

Editorial: John Wiley & Sons Ltd., England

ISSN: 0952-3499

**64.** Schnettler, B., C. Shene, M. Rubilar, H. Miranda, J. Sepulveda, M. Denegri & G. Lobos. 2010. Acceptance of yoghurt with different functional ingredients among consumers in supermarkets in southern Chile. *Archivos Latinoamericanos de Nutrición* 60(4): 380-390.

Impact Factor: 0.427

DOI: no information

Quartile: 4

Editorial: Archivos Latinoamericanos Nutrición, Venezuela

ISSN: 0004-0622

**65.** Schnettler, B., M. Ciesla, A. Candia, F. Llancapán, J. Sepúlveda, M. Denegri, H. Miranda & N. Sepúlveda. 2010. Importancia del color, contenido de grasa y frescura en la compra de la carne bovina en Temuco, Región de La Araucanía, Chile. *Revista Científica Facultad de Ciencias Veterinarias* 20(6): 623-632.

Impact Factor: 0.109

DOI: no information

Quartile: 4

Editorial: Univ. Zulia, Venezuela

ISSN: 0798-2259

**66.** Schnettler, B., R. Ávila, N. Sepúlveda, H. Miranda, J. Sepúlveda & M. Denegri. 2010. Preferencia de carne bovina con diferentes tipos de modificaciones genéticas en Temuco, Región de La Araucanía, Chile. *Revista Científica Facultad de Ciencias Veterinarias* 20(5): 537-545.

Impact Factor: 0.109

DOI: no information

Quartile: 4

Editorial: Univ. Zulia, Venezuela

ISSN: 0798-2259

**67.** Schnettler, B., A. González, R. Ávila, H. Miranda, J. Sepúlveda & M. Denegri. 2010. Preference for oils with different types of genetic modifications in Temuco, Araucanía Region, Chile. *Ciencia e Investigación Agraria* 37(1): 17-28.

Impact Factor: 0.528

DOI: no information

Quartile: 2

Editorial: Pontificia Univ. Católica Chile, Chile

ISSN: 0718-1620

**68.** Schnettler, B., D. Fica, N. Sepúlveda, J. Sepúlveda & M. Denegri. 2010. Valoración de atributos intrínsecos y extrínsecos en la compra de la carne bovina en el sur de Chile. *Revista Científica Facultad de Ciencias Veterinarias* 20(1): 101-109.

Impact Factor: 0.109

DOI: no information

Quartile: 4

Editorial: Univ. Zulia, Venezuela

ISSN: 0798-2259

**69.** Schnettler, B., B. Obreque, E. Cid, M. Mora, H. Miranda, J. Sepúlveda & M. Denegri. 2010. Efecto del país de origen en la decisión de compra de alimentos en personas de distinta etnia de dos regiones de Chile. *Revista Latinoamericana de Psicología* 42(1): 119-130.

Impact Factor: 0.348

DOI: no information

Quartile: 4

Editorial: Foundation Advancement Psychology, Colombia

ISSN: 0120-0534

**70.** Shene, C., A. Leyton, Y. Esparza, L. Flores, B. Quilodrán, I. Hinzpeter & M. Rubilar. 2010. Microbial oils and fatty acids: effect of carbon source on docosahexaenoic acid (C22:6 n-3, DHA) production by thraustochytrid strains. *Journal Soil Science and Plant Nutrition* 10(3): 207-216.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000100002

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**71.** Sierra-Almeida, A., L.A. Cavieres & L.A. Bravo. 2010. Freezing resistance of high-elevation plant species is not related to their height or growth-form in the Central Chilean Andes. *Environmental and Experimental Botany* 69(3): 273-278.

Impact Factor: 2.699

DOI: 10.1016/j.envexpbot.2010.04.015

Quartile: 1

Editorial: Pergamon-Elsevier Science Ltd., England

ISSN: 0098-8472

**72.** Soto, D.P., C. Salas, P.J. Donoso & D. Uteau. 2010. Heterogeneidad estructural y espacial de un bosque mixto dominado por *Nothofagus dombeyi* después de un disturbio parcial. *Revista Chilena de Historia Natural* 83(3): 335-347.

Impact Factor: 0.831

DOI: no information

Quartile: 3

Editorial: Soc. Biología Chile, Chile

ISSN: 0716-078X

**73.** Tortella, G.R., O. Rubilar, M. Cea, C. Wulff, O. Martínez & M.C. Diez. 2010. Biostimulation of agricultural biobeds with NPK fertilizer on chlorpyrifos degradation to avoid soil and water contamination. *Journal of Soil Science and Plant Nutrition* 10(4): 464-475.

Impact Factor: 0.596

DOI: 10.4067/S0718-95162010000200007

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**74.** Vera, L., J.C. Parra, L. Morales, C. Mattar & **E. Jorquera\***. 2010. Comparative analysis of Split-Window algorithms for estimating soil temperature. *Journal of Soil Science and Plant Nutrition* 10(1): 35-39.

Impact Factor: 0.596

DOI: 10.4067/S0718-27912010000100004

Quartile: 4

Editorial: Soc. Chilena Ciencia Suelo, Chile

ISSN: 0718-9516

**75.** Zambrano, M., C. Pichún, M. Alvear, M. Villarroel, I. Velásquez, J. Baeza & G. Vidal. 2010. Green liquor dregs effect on Kraft mill secondary sludge composting. *Bioresource Technology* 101(3): 1028-1035.

Impact Factor: 4.365

DOI: 10.1016/j.biortech.2009.09.049

Quartile: 1

Editorial: Elsevier Sci. Ltd., England

ISSN: 0960-8524

**76.** Zúñiga-Feest, A., **M. Delgado\*** & M. Alberdi. 2010. The effect of phosphorus on growth and cluster-root formation in the Chilean Proteaceae: *Embothrium coccineum* (R. et J. Forst.). *Plant and Soil* 334(1-2): 113-121.

Impact Factor: 2.773

DOI: 10.1007/s11104-010-0419-x

Quartile: 1

Editorial: Springer, Netherlands

ISSN: 0032-079X

\* = Alumno(s) de Doctorado

\*\* = Alumno(s) de Magister