



**Publicaciones WoS (ISI) Doctorado y Magister en Ciencias de Recursos Naturales**

**Año:** 2006

**Publicaciones Totales:** 26 Publicaciones Científicas/Scientific Publications

**Publicaciones Alumnos de Doctorado:** 11

**Publicaciones Alumnos de Magister:** 0

1. Alvear, M., **R. López\***, **A. Rosas\*** & N. Espinoza. 2006. Efecto de la aplicación de herbicidas en condiciones de campo sobre algunas actividades biológicas. *Revista de la Ciencia del Suelo y Nutrición Vegetal* 1: 64-76.
2. Borie, F., R. Rubio, J.L. Rouanet, A. Morales, G. Borie & C. Rojas. 2006. Effects of tillage systems on soil characteristics, glomalin content and mycorrhizal propagules in a Chilean Ultisol. *Soil Tillage Research* 88: 253-261.
3. Antileo, C., A. Werner, **G. Ciudad\***, C. Muñoz, C. Bornhardt, D. Jeison & H. Urrutia. 2006. Novel operational strategy for partial nitrification to nitrite in a sequencing batch rotating disk reactor. *Biochemical Engineering Journal* 32(2): 69-78.
4. **Cartes, P.\***, C. Shene & M.L. Mora. 2006. Selenium distribution in ryegrass and its antioxidant role as affected by sulfur fertilization. *Plant and Soil* 285: 187-195.
5. Castillo, C.G., F. Borie, R. Godoy, R. Rubio & E. Sieverding. 2006. Diversity of arbuscular mycorrhizal plant species and fungal species in evergreen forest, deciduous forest and grassland ecosystems of Southern Chile. *Journal of Applied Botany and Food Quality* 80: 40-47.
6. Castillo, C.G., R. Rubio, J.L. Rouanet & F. Borie. 2006. Early effects of tillage and crop rotation on arbuscular mycorrhizal fungal propagules in an Ultisol. *Biology and Fertility of Soils* 43: 83-92.
7. **Ceballos, R.\***, G. Palma, X. Cofre, F. Perich, F. Pardo & A. Quiroz. 2006. Influence of MCPA on *Fusarium oxysporum* root rot and red clover growth under controlled greenhouse conditions. *Phytoprotection* 87: 9-15.
8. **Ciudad, G.\***, A. Werner, C. Bornhardt, C. Muñoz & C. Antileo. 2006. Differential kinetics of ammonia and nitrite-oxidizing bacteria: a simple kinetic study based on oxygen affinity and proton release during nitrification. *Process Biochemistry* 41: 1754-1762.



9. Diez, M.C., F. Gallardo, G. Saavedra, **M. Cea\***, L. Gianfreda & M. Alvear. 2006. Effect of pentachlorophenol on selected soil enzyme activities in a Chilean Andisol. *Journal of Soil Science and Plant nutrition* 6(3): 40-51.
10. Gallardo, F., M.L Mora & M.C. Diez. 2006. Kraft mill sludge to improve vegetal production in Chilean Andisol. *Water Science and Technology* 55(6): 31-37.
11. **Fuentes, B.\***, N.S. Bolan, R. Naidu & M.L. Mora. 2006. Review: Phosphorus in organic waste-soil systems. *Journal Soil Science and Plant Nutrition* 6(2): 64-83.
12. Gianfreda, L., M.L. Mora & M.C. Diez. 2006. Review: Restoration of polluted soils by means of microbial and enzymatic process. *Journal Soil Science and Plant Nutrition* 6(1): 20-40.
13. **Hinzpeter, I.\***, C. Shene & L. Masson. 2006. Alternativas biotecnológicas para la producción de ácidos grasos poliinsaturados Omega-3. *Grasas y Aceites* 57(3): 336-342.
14. Jara A.A., A. Violante, M. Pigna & M.L. Mora. 2006. Mutual Interactions of sulfate, oxalate, citrate and phosphate on synthetic and natural allophanes. *Soil Science Society of America Journal* 70: 337-346.
15. Reyes-Díaz, M., N. Ulloa, A. Zúñiga-Feest, A. Gutiérrez, M. Gidekel, M. Alberdi, L. Corcuera & L. Bravo. 2006. *Arabidopsis thaliana* avoids freezing by supercooling. *Journal of Experimental Botany* 57(14): 3687-3696.
16. Alvear M., M. Pino, C. Castillo, C. Trasar-Cepeda & F. Gil-Sotres. 2006. Efecto de la cero labranza sobre algunas actividades biológicas en un alfisol del sur de Chile. *Revista de la Ciencia del Suelo y Nutrición Vegetal* 6(2): 38-53.
17. Matus, F., X. Amigo & S.M. Khristiansen. 2006. Aluminium extracted by ammonium acetate controls organic matter levels in Chilean volcanic soils. *Geoderma* 132: 158-168.
18. Matus, F.J., J.B. Retamales & P. Sánchez. 2006. Effect of particle size and quality of pruning wood residues of asian pear (*Pyrus pyrifolia*) on C- and N-mineralisation in soils of contrasting textures. *Journal Soil Science and Plant Nutrition* 6(1): 1-8.
19. Mora, M.L., M. Alfaro, S.C. Jarvis, R. Demanet & P. Cartes. 2006. Soil aluminum availability in Andisols of southern Chile and its effect on forage production and animal metabolism. *Soil Use and Management* 22: 95-101.
20. Morales, L., F. Canessa, C. Mattar, **R. Orrego\*** & F. Matus. 2006. Caracterización y zonificación edáfica y climática de la Región de Coquimbo, Chile. *Journal of Soil Science and Plant Nutrition* 6(3): 52-74.



## Programa de Doctorado y Magister en Ciencias de Recursos Naturales

---

21. Navia R., B. Rivela, K.E. Lorber & R. Méndez. 2006. Recycling contaminated soil as alternative raw material in cement facilities: life cycle assessment. *Resources, Conservation and Recycling* 48: 339-356.
22. Navia, R., X. Inostroza, M.C. Diez & K.E. Lorber. 2006. Irrigation model of bleached kraft mill wastewater through volcanic soil as a pollutants attenuation process. *Chemosphere* 63: 1242-1251.
23. **Redel, Y.\***, R. Rubio & F. Borie. 2006. Efecto de la adición de residuos de cosecha y de un hongo micorrizógeno sobre el crecimiento de trigo y parámetros químicos y biológicos de un Andisol. *Agricultura Técnica* 66(2): 174-184.
24. Ruiz, G., D. Jeison, **O. Rubilar\***, **G. Cuidad\*** & R. Chamy. 2006. Nitrification-denitrification via nitrite accumulation for nitrogen removal from wastewaters. *Bioresource Technology* 97: 330-335.
25. Shene C., A. Lucero, B.A. Andrews & J.A. Asenjo. 2006. Mathematical modelling of elution curves for a protein mixture in ion exchange chromatography and for the optimal selection of operational conditions. *Biotechnololy and Bioenergy* 95(4): 704-713.
26. Zúñiga, R., M. Alberdi, M. Reyez-Díaz, E. Olivares, S. Hess, L.A. Bravo & L.J. Corcuera. 2006. Seasonal changes in the photosynthetic performance of two evergreen *Nothofagus* species in South Central Chile. *Revista Chilena de Historia Natural* 79: 489-504.

\* = Alumno(s) de Doctorado