



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

Año: 2007

Publicaciones Totales: 34 Publicaciones Científicas/Scientific Publications

Publicaciones Alumnos de Doctorado: 17

Publicaciones Alumnos de Magister: 1

1. Alberdi, M., M. Alvarez, E. Valenzuela, R. Godoy, E. Olivares & M. Barrientos. 2007. Response to water deficit of *Nothofagus dombeyi* plants inoculated with a specific (*Descolea antarctica* Sing) and non-specific (*Pisolithus tinctorious* (Pers.) Coker & Couch) ectomycorrhizal fungi. *Revista Chilena de Historia Natural* 80 (4): 479-491.
2. Alvear, M., F. Reyes, A. Morales, C. Arriagada & M. Reyes. 2007. Actividad biológica y agregados estables al agua en dos tipos de formaciones vegetales de un bosque templado del centro-sur de Chile con perturbación antrópica. *Ecología Austral* 17: 113-122.
3. Alvear, M., C. Urrea, R. Huiquilao, M. Astorga & F. Reyes. 2007. Actividades biológicas y estabilidad de agregados en un suelo del bosque templado chileno bajo dos etapas sucesionales y cambios estacionales. *Revista de La Ciencia Del Suelo y Nutrición Vegetal* 7(3): 38-50.
4. Aravena, C., M.C. Diez, M.L. Mora, C. Valentin & F. Gallardo. 2007. Utilization of cellulose industry sludge and its effect on degraded soil physico-chemical properties. *Journal of Soil Science and Plant Nutrition* 7(1): 1-14.
5. Arriagada, C.A., M.A. Herrera, F. Borie & J.A. Ocampo. 2007. Contribution of arbuscular mycorrhizal and saprobe fungi to the aluminum resistance of *Eucalyptus globulus*. *Journal of Water, Air and Soil Pollution* 182: 383-394.
6. Bezama, A., P. Aguayo, O. Konrad, R. Navia & K.E. Lorber. 2007. Investigations on mechanical biological treatment of waste in South America: towards more sustainable MSW management strategies. *Waste Management* 27(2): 228-237.
7. Bezama A., N. Szarka, R. Navia, O. Konrad & K.E. Lorber. 2007. Lessons learned for a more efficient knowledge and technology transfer to South American countries in the fields of solid waste and contaminated sites management. *Waste Management and Research* 25: 148-161.



8. **Briceño, G.***, G. Palma & N. Duran. 2007. Influence of organic amendment on the biodegradation and movement of pesticides in soil- A review. *Critical Review in Environmental Science and Technology* 37: 1-39.
9. Canquil, N., M. Villarroel, S. Bravo, M. Rubilar & C. Shene. 2007. Behavior of the rheological parameters of exopolysaccharides synthesized by three lactic acid bacteria. *Carbohydrate Polymers* 68: 270-279.
10. Antileo, C., M. Roedel, J. Lindemann & U. Wiesmann. 2007. Operating parameters for high nitrite accumulation during nitrification in a rotating disk nitrifying reactor. *Water Environment Research* 79(9): 1006-1014.
11. **Ciudad, G.***, R. Gonzalez, C. Bornhardt & C. Antileo. 2007. Effects of free ammonia and dissolved oxygen concentration on the partial nitrification in a sequencing batch and continuous rotating disk biofilm reactor. *Water Research* 32(2): 69-78.
12. **Ciudad, G.***, R. González, C. Bornhardt & C. Antileo. 2007. Modes of operation and pH control as enhancement factors for partial nitrification with oxygen transport limitation. *Water Research* 41(20): 4621-4629.
13. Cornejo, P., F. Borie, R. Rubio & R. Azcón. 2007. Influence of nitrogen source on the viability, functionality and persistence of *Glomus etunicatum* in an Andisol. *Applied Soil Ecology* 35: 423-431.
14. **Lopez, R.***, **A. Rosas***, M. Rao, M.L. Mora, M. Alvear & L. Gianfreda. 2007. Manganese and molybdenum effect acid phosphatases from potato. *Acta Agricultura Scandinavica Sección B, Soil and Plant Science* 57: 65-73.
15. **Lopez, R.***, M. Alvear, L. Gianfreda & M.L. Mora. 2007. Molybdenum availability in Andisols and its effect on biological parameters of soil and red clover (*Trifolium pratense* L.). *Soil Science* 172: 913-924.
16. Diez, M.C., **O. Rubilar***, **M. Cea***, R. Navia, A. De Martino & R. Capasso. 2007. Recovery and characterization of the humate-like salified polymeric organic fraction (lignimerin) from kraft cellulose mill wastewater. *Chemosphere* 68: 1798-1805.
17. **Cea, M.***, J.C. Seaman, A.A. Jara, B. Fuentes, M.L. Mora & M.L. Diez. 2007. Adsorption behavior of 2,4-dichlorophenol and pentachlorophenol in an allophanic soil. *Chemosphere* 67: 1354-1360.
18. **Millaleo, R.***, C. Montecinos, R. Rubio, A. Contreras & F. Borie. 2007. Efecto de la adición de compost sobre propágulos micorrízicos arbusculares en un suelo volcánico del centro sur de Chile. *Revista de la Ciencia del Suelo y Nutrición Vegetal* 6(3): 26-39.

19. Morales, A., M. Alvear, E. Valenzuela, R. Rubio & F. Borie. 2007. Effect of inoculation with *Penicillium albidum*, a phosphate -solubilizing fungi, on the growth of *Trifolium pratense* cropped in a volcanic soil. Journal of Basic Microbiology 47: 275-280.
20. Mora, M.L., P. Cartes, P. Núñez, M. Salazar & R. Demanet. 2007. Movement of NO₃⁻-N and NH₄⁺-N In an Andisol and its influence on ryegrass production in a short term study. Journal of Soil Science and Plant Nutrition 7(2): 46-63.
21. **Muñoz, C.***, E. Zagal & C. Ovalle. 2007. Influence of trees on soil organic matter in Mediterranean agroforestry systems: an example from the 'Espinal' of central Chile. European Journal of Soil Science 58: 728-735.
22. **Muñoz, C.***, C. Ovalle & E. Zagal. 2007. Distribution of soil organic carbon stock in an Alfisol profile in Mediterranean Chilean ecosystems. Journal of Soil Science and Plant Nutrition 7: 15-27.
23. **Núñez, P.***, R. Demanet, F. Matus & M.L. Mora. 2007. The effect of grazing management on ammonia and nitrous oxide emissions from the soil: A review. Journal of Soil Science and Plant Nutrition 3: 61-99.
24. **Rubilar, O.***, G. Feijoo, M.L. Diez, T.A. Lu-Chau, M.T. Moreira & J. Lema. 2007. The application of white-rot fungi for the biorremediation of pentachlorophenol (PCP) in soil slurry cultures. Industrial and Engineering Chemistry Research 46: 6744-6751.
25. **Pino-Marambio, J.***, J. Morgue, M. Birkett, J. Carvajal, G. Ascencio, A. Mellado & A. Quiroz. 2007. Behavioural studies of host, non-host and mate location by the chilean sea louse, *Caligus rogercresseyi* Boxshall & Bravo, 2000 (Copepoda: Caligidae). Aquaculture 271: 70-76.
26. Pigna, M., A. Jara, M.L. Mora & A. Violante. 2007. Effect of pH, phosphate and/or malate on sulfate sorption on Andisols. Journal of Soil Science and Plant Nutrition 7(1): 62-73.
27. Quiroz, A., R. Palma, **P. Etcheverría***, V. Navarro & R. Rebolledo. 2007. Males of *Hylamorpha elegans* Burmeister (Coleoptera: Scarabaeidae) are attracted to odours released from conspecific females. Environmental Entomology 36: 272-280.
28. R. Navia, R., **O. Rubilar***, M.C. Diez, K.H. Schmidt, G. Behrendt, & K.E. Sorber. 2007. Improving the adsorption capacity and solid structure of natural volcanic soil using a foaming-sintering process based on recycled polyethylene terephthalate (PET). Waste Management and Research 25: 119-129.
29. Rivas, Y., R. Godoy, E. Valenzuela, J. Leiva, C. Oyarzún & M. Alvear. 2007. Actividad Biológica del suelo en dos bosques de *Nothofagus* del centro sur de Chile. Gayana 64: 81-92.



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- 30. Rosas, A.***, Z. Rengel & M.L. Mora. 2007. Manganese supply and pH influence growth, carboxylate exudation and peroxidase activity of ryegrass and white clover. *Journal of Plant Nutrition* 30: 253-270.
- 31.** Rubilar, M., M. Pinelo, C. Shene, J. Sineiro & M.J. Nuñez. 2007. Separation and HPLC-MS identification of phenolic antioxidants from agricultural residues: almond hulls and grape pomace. *Journal of Agriculture and Food Chemistry* 55: 10101-10109.
- 32.** Shene C. & S. Bravo. 2007. Whey fermentation by *Lactobacillus delbrueckii* subsp *bulgaricus* for the exopolysaccharide production in continuous culture. *Enzyme and Microbiology Technology* 40: 1578-1584.
- 33. Tapia, T.****, F. Perich, F. Pardo, G. Palma & A. Quiroz. 2007. Identification of volatiles from differently aged red clover (*Trifolium pratense*) root extracts and behavioural responses of clover root borer (*Hylastinus obscurus*) (Marsham (Coleoptera: Scolytidae) to them. *Biochemical Systematic and Ecology* 35: 61-67.
- 34. Redel, Y.***, R. Rubio, J.L. Rouanet & B. Borie. 2007. Phosphorus bioavailability in a Chilean Ultisol as affected by tillage and crop rotation. *Geoderma* 139: 388-396.

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