

## BIBLIOGRAFI 2003

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Starch-based plastic polymer degradation by the white rot fungus *Phanerochaete chrysosporium* grown on sugarcane bagasse pith: enzyme production/ T. Roldan-Carrillo, R. Rodriguez-Vazquez, D. Diaz-Cervantes, H. Vazquez-Torres, A. Manzur-Guzman, A. Torres-Dominguez.

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Isolation and characterisation of an invertase cDNA from perennial ryegrass (*Lolium perenne*)/ Xenie Johnson, Angela Lidgett, Jaye Chalmers, Kathryn Guthridge, Elizabeth Jones, Nicholas Cummings, German Spangenberg.

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**Keywords :** fructan metabolism; fructosyltransferase; fructan exohydrolase; *Lolium perenne*; ryegrass; vacuolar invertase; water soluble carbohydrate

Comparative expression analysis of two sugarcane polyubiquitin promoters and flanking sequences in transgenic plants/ Hairong Wei, Ming-Li Wang, Paul H. Moore, Henrik H. Albert.

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A process-based model to simulate changes in tiller density and light interception of sugarcane crops/ Bezuidenhout C N O'Leary G J Singels A Bajic V B

*Agricultural Systems. 2003. 76 (2). 589-899, CD Volume406*

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Assessing the potential benefits of alternative cane supply arrangements in the Australian sugar industry/ Higgins A J Muchow R C

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**Keywords :** **crop-production. geographical-variation. harvesting-date. cane-sugar-factories. profitability. sugar-industry. sugar-yield. sugarcane. supply. temporal-variation. operations-research**

Irrigation based on a nomogram using soil suction measurements/ Gaudin R Rapanoelina M

*Agricultural Water Management. 2003. 58 (1). 45-53, CD Volume406*

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Effect of agricultural land use on soil organic matter status and the composition of earthworm communities in KwaZulu-Natal, South Africa/ Haynes R J Dominy C S Graham M H

*Agriculture, Ecosystems & Environment.* 2003. 95 (2-3). 453-464,CD Volume405

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**irrigation. larvae. pest-control. plant-pests. soil-types.  
sugarcane. survival. tillage**

Early stage selection for commercial cane sugar (CCS) in sugarcane clones  
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Volume417

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**Keywords :** irrigation. plant-water-relations. soil-types. soil-water. sugarcane. sugarcane-soils. water-use

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*Australian Journal of Experimental Agriculture. 2003. 43 (6). 617-622, CD Volume417*

**Keywords :** breeding-programmes. clones. crop-yield. disease-resistance. fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. selection-programme. sugarcane. yield-losses

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*Australian Journal of Soil Research. 2003. 41 (2). 165-195, CD Volume417*

**Keywords :** agricultural-land. agricultural-soils. agroforestry-systems. air-pollutants. air-pollution. arable-farming. climatic-change. dairy-farming. denitrification. emission. flooded-land. flooded-rice. forestry. gas-production. global-warming. grazing. greenhouse-gases. ley-farming. microbial-activities. nitrification. nitrogen-fertilizers. nitrous-oxide. organic-carbon. pollution-control. porosity. reviews. soil-pH. soil-salinity. soil-temperature. soil-types

Risk assessment of phosphorus loss from sugarcane soils - a tool to promote improved management of P fertilizer/ Bramley R G V Roth C H Wood A W

*Australian Journal of Soil Research. 2003. 41 (4). 627-644, CD Volume417*

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Influence of changed management of sugarcane on some soil chemical properties in the humid wet tropics of north Queensland/ Noble A D Moody P Berthelsen S

*Australian Journal of Soil Research. 2003. 41 (6). 1133-1144, CD Volume417*

**Keywords :** aluminium. base-saturation. cation-exchange. cation-exchange-capacity. continuous-cropping. crop-management. crop-residues. crop-yield. fallow-systems. humid-tropics. Inceptisols. leys. Mollisols. monoculture. mulches. mulching. soil-chemical-properties. soil-organic-matter. soil-pH. soil-types. sugarcane. sugarcane-trash

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*Australian Journal of Soil Research.* 2003. 41 (6). 1145-1161,CD Volume417,AffiliationDepartment of Natural Resources and Mines, Centre for

**Keywords :** adsorption. anion-exchange-capacity. calcium. cation-exchange-capacity. chloride. desorption. electrical-conductivity. exchangeable-calcium. exchangeable-magnesium. exchangeable-potassium. exchangeable-sodium. forests. leaching. magnesium. nitrate. nitrate-nitrogen. Oxisols. polluted-water. potassium. river-water. rivers. sodium. soil-organic-matter. soil-pH. soil-profiles. soil-types. sugarcane. sulfate. tropical-rain-forests. tropics. water-pollution. water-quality. water-resources. watersheds

Starch-based plastic polymer degradation by the white rot fungus Phanerochaete chrysosporium grown on sugarcane bagasse pith enzyme production/ Roldan Carrillo T Rodriguez Vazquez R Diaz Cervantes D Vazquez Torres H Manzur Guzman A Torres Dominguez A

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**Keywords :** amylases. biodegradation. cellulase. dextrins. enzyme-activity. glucose. maltose. peroxidases. starch. sugarcane-bagasse

Fractionation of sugarcane bagasse by hydrothermal treatment/ Sasaki M Adschiri T Arai K

*Bioresource Technology.* 2003. 86 (3). 301-304,CD Volume406

**Keywords :** cellulose. fractionation. hemicelluloses. hot-water-treatment. lignin. sugarcane-bagasse

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**Keywords :** **Dairy cow; Urea; Non-protein nitrogen; Milk urea nitrogen; Casein; Whey protein**

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**Keywords :** **C4-sucrose; Decomposition; Microbial biomass; Microbial residues; Muramic acid; Glucosamine**