## academicjournals.net

Home	Journals	About Us	Support	Join us	Google	Search
Related Links		American Journal of Food Technology				
Papers in Press $\rightarrow$		Title: Effect of	Effect of Cellulases, Solvent Type and Particle Size Distribution on the Extraction of Chlorogenic Acid and Other Phenols from Spent Coffee Grounds Manuel Pinelo, Abigaille G. Tress, Mads Pedersen, Anis Arnous and Anne S. Meyer			
Current Issue		on the E			VIEW	
Archive >					:: Table of Contents	
Search >					:: Full Text :: Citation	
Editorial Boa	rd >	Source: America	n Journal of Food T	:: Quick Search in ASCI		
Editorial Board >   Source: American Journal of Food Technology   Abstract: Spent coffee grounds, wastes resulti subjected to solid-liquid extractions phenol content of extracts. After gri sieve sizes (125, 250, 500 and 1000 The highest yields of total phenols we unexpected reduction in the phenol cellulase treatment. Aqueous ethano extractive capacity, closely followed concentrated than when pure water obtained from the different treatmed acid/l. HPLC analysis confirmed chloror spent coffee grounds. Chromatogram that cellulases catalyzed the transfor similar spectrum, but shorter retentifurther research on the extractive cogrounds, confirming the feasibility of chlorogenic acid, which may be used in the stractive complexity of the complexity o					study the influence of som g, spent coffee grounds we ) and classified into four di onsistently obtained from th ease was observed when 0% w/w) was the solvent aqueous methanol, whose is used as the solvent. P ranged from 115-400 mg ic acid as the major phenoli extracts obtained after the ion of chlorogenic acid, rei time. Results shown in this ons maximizing extraction of grading spent coffee ground	ne critical variables on the ere passed through several fferent particle size groups. The smallest particles and an extraction was assisted by having the highest phenol- extracts were ~30% more henol concentration values equivalents of chlorogenic ic acid being extracted from enzyme treatment showed sulting in a derivative with s study are a first step for efficiency from spent coffee is as a promising source of
		Find similar articles in ASCI Database Bulk density, chlorogenic acid, particle size distribution, polyphenols, solid-liquid extraction and spent coffee grounds				
Home : J	ournals :	About Us : Support	: : Join us		©2	2007 AcademicJournals