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n du cui din c						:: Citation			
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JUMPTO Abstract: Extractions were performed using non-toxic media composed of water/etha							vater/ethanol mixtures and		
Select				antiradical activity (A_{re}) of extracts and several indices related to their polyphenolic composition					
				including total polyphenol, total flavonoid, total flavanol, total anthocyanin and condensed					
	tannin (proanthocyanidin) content					ontent. Extracts	ent. Extracts with the highest A_{AR} values were obtained with 57%		
	et fl. ai				ethanol, a solvent system that was also favourable in obtaining high total polyphenol and total flavonoid yields, which amounted 7259 and 7222 mg/100 g dry weight, respectively. The highest anthocyanin yield was however achieved with 85.5% ethanol (266.2 mg/100 g dry weight). None				
				of the acidification agents used provided extracts with increased polyphenol levels and A _{AR} .					
				Addition of SO ₂ (0.01%, w/v) to 57% ethanol, however, resulted in maximisation of A_{AP} (2.9 mM					
			TRE/g dry weight), although anthocyanin recovery was not maximal (186.9 mg/100 g dry weight). It is suggested that efficient recovery of antioxidant phenolics and anthocyanins from by-products of red vinification can be achieved employing simple extracting media composed of ethanol, but more active, in terms of antioxidant activity, extracts can be obtained with addition						
				of a low amount of SO_2 . Ethanol is a bio-solvent that can also be obtained from wine-industry					
	w a				wastes and thus the implementation of similar techniques may potentially provide the basis for a sustainable process of integrated exploitation of vinification by-products.				
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