



Development of strategies for the recovery of valuable compounds from by-products of apple juice production

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Shaker Verlag Mrz 2014, 2014. Buch. Condition: Neu. Neuware - Due to numerous epidemiological studies of the last decades revealing potential health benefits of a diet rich in fruit or vegetables and a growing consumer awareness of food-related health aspects there is increasing demand for plant based food-stuff. In the temperate zone fruits of the Rosaceae family, particularly apples are among the most important fruit crops being processed to a wide range of food products generally involving the removal of their seeds. Consequently, large amounts of this type of by-products are accumulated not being utilized further. Their disposal represents both additional costs to the food processing industries and a potential negative impact on the environment with the situation being further aggravated by legal restrictions. Nevertheless, by-products of plant food production are an attractive and rich source of functional compounds possessing favorable technological or nutritional properties. The targeted recovery of these compounds and their application as functional food ingredients or dietary supplements therefore may be an adequate strategy for valorizing waste streams, thus contributing to sustainable agricultural production. In order to realize economically feasible recovery strategies from these by-products most detailed information on technological or nutritional relevant substances is imperative. Therefore,...



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