Program & Abstracts

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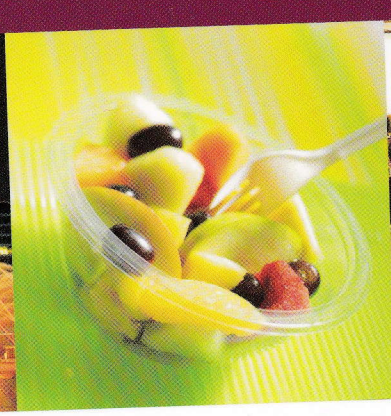


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Characterization of Physicochemical and Functional of Water Soluble Polysaccharides from Pulp Coffea Robusta

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Abstract

Water-soluble polysaccharides production from pulp coffea robusta was carried out. The effect of extraction temperature (60, 70, 80 and 90°C), was optimized by using descriptive analysis and each treatment was replicated 4 times. The pulp of coffea was extracted and characterized by the physicochemical and functional methods. The results showed that the extraction temperature 90 °C was observed as the optimum product and characterised by 8.116% yield of polysaccharides, 61.250 brightness (L*), 2,218% higroscopicity, 241.051% Water Holding Capacity (WHC), and 182.992% Oil Holding Capacity (OHC). The effects of pH (3, 5, 7, and 9) and temperature (30, 50, 70, and 90°C) toward viscocity was determinated.

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