

Continuous methods of fungal laccase concentration

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Statement of the Problem: Downstream processing of biological molecules is a very time- and energy-consuming task. One of the major trends in contemporary biotechnology revolves around cost-effective and environment-friendly methods of concentration and purification of bioproducts. Various novel downstream processing tactics are currently being investigated as alternatives to established methods such as ultrafiltration and chromatography. The purpose of this research was to examine the feasibility of polyethylene glycol-phosphate aqueous two phase systems (ATPS) and cetrimonium bromide-induced foam fractionation (FF) as methods for *Cerrena unicolor* and *Pleurotus sapidus* laccase separation from culture supernatants. Both processes were investigated in batch and continuous forms.

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