



ARE INTERFACIAL BIOCATALYSTS IMPORTANT TOOLS FOR NONPOLLUTING TECHNOLOGIES? 2. IMMOBILIZATION OF LIPASES AND THEIR REPRESENTATIVE APPLICATIONS

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Abstract

Owing to their versatility in relation to different reactions, to their regiospecificity and chiral selectivity, lipases have great potential in areas such as food technology, detergents, the chemical industry, biomedical sciences, etc. Lipase behaviour in reaction systems is determined by several factors like as their configuration, water activity, the nature of the organic solvent, the nature of support.

This review discusses the possibilities to immobilize lipases, the role of reaction media on lipase activity and certain aspects of lipase applications in several areas.

Keywords: lipases, immobilisation, biocatalysis, nonpollutant processes

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