

The Immobilisation of Enzymes on Electrodes: Applications in Catalysis

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Electrochemical methods are of interest in the controlled immobilisation of enzymes for a range of applications. The use of enzymes in biocatalysis is of interest as an alternative means of performing redox reactions in place of conventional reagents, while the development of biofuel cells is of interest in medical applications. Electrodes can be used as supports for the immobilization of enzymes in a precisely controlled manner with the degree of spatial control dictated by the area of the working electrode. Here we describe recent work on the application of electrochemical methods to for use in the development of biocatalytic reactors and of biofuel cells.