

Summary

Enzymes are biocatalysts that are important bioconversion during any biological reactions. They have wide application in several industries such as food, flavour, colour, textile, pharmaceutical, biofuel and tannery industry. Application of enzymes in several bioprocess have been an eco-friendly alternative to several chemical process, which can cause threat to environment. Activity of any enzyme is expressed in the form of unit activity, total activity and specific activity. In order to make the enzyme work efficiently and to reuse the enzymes for industrial level production they are immobilized or captured. In recent years enzymes are applied in food industry for the (i) hydrolysis of macromolecules for the production of metabolites (peptides, oligosaccharides, eg.) with higher health benefits, (ii) utilisation of food processing industry by-products by converting them in value added products.