BCH 312 Enzymology 2 Units

Department of Biological Sciences

Covenant University
1. BCH312
1.1. BCH 312 Enzymology 2 Units

Definition, history, functions and properties of enzymes. Classification and nomenclature of enzymes. Vitamins and Coenzymes; Cofactors; metalloproteins containing Zn, Fe, Co, Cu and Mo; Classification and nomenclature of enzymes. Mechanism of enzyme catalyzed reactions. Effects of temperature, pH, ions and inhibitors on enzymes. Active sites of enzymes. Michealis-Menten equation, Estimation of kinetic parameters-enzyme activities, Km, Vmax, Ki, etc., Production, isolation, purification and characterization of enzymes.