

FST 509: Food Biotechnology (2Units)

Meaning of Biotechnology, History, processes and products of biotechnology, principles of biotechnology and implication for food production. Replication, transcription and translation. Genetic procedure for strain improvement, selection, mutation, cloning with plasmids and Recombinant DNA technology and its application. Bioreactors. Application of Biotechnology food ingredient formulation, functional foods and food waste remediation.