Program Control 1 of Discipline “Genetic engineering ”

Biotechnology

What is the GMO process

Characterization of Recombinant DNA

Which techniques create recombinant DNA

Genetic modification

Main steps of molecular cloning

Molecular cloning, Choice of host organism and cloning vector

Molecular cloning, Preparation of vector DNA

Preparation of DNA to be cloned

Cloning a Eukaryotic Gene in a Bacterial Plasmid

Types of vector DNA

Cloning a Eukaryotic Gene in a Bacterial Plasmid

What is the shuttle vector

Characterization of endonucleases and their use

Using of ligases in genetic engineering

What is the Multiple cloning site (MCS) characterization and use in molecular biotechnology.

Subclone characterization and use

Characterization of DNA cloning techniques