

BTP 459 BIOPROCESS TECHNOLOGY

Course outcomes:

After successful completion of the course, students will be able to:

- CO 1. Know about the instrumentation used in industrial biotechnology
- CO 2. Develop skills in techniques used in processing
- CO 3. Culture microorganisms of industrial importance in pilot scale
- CO 4. Develop skills in scaling up and industrial biotechnology

Isolation of microbes of industrial importance

Instrumentation in bioprocess technology

Growth and death kinetics of microbial cultures

Cell encapsulation (immobilization) techniques and uses

Pilot-scale production of microbial (or plants or animal) cell products

Downstream processing techniques

LyophilizationBiosensors

