

Basic Microbiology and Molecular Biology Techniques

Days: 30Days

Registration Fees: 500

S.No. TECHNIQUES

➤ MICROBIOLOGY

Fees: 3000

1. Bio-Instrumentation for Wet Lab.
2. General safety instruction for working in lab.
3. Media preparation & Culturing of Microbes.
4. Isolation of Microbes from different sources (soil, water, air, industrial waste).
5. Primary and secondary screening of microbes on the basis of plant growth promotion activity.
6. Antibiotic sensitivity test.
7. Minimum Inhibitory concentration (MIC) Test.
8. Growth kinetic studies of microbes.
9. Gram staining.
10. Identification of Microbes by Biochemical Characterization.
 - a) IMViC series Test.
 - b) Starch Hydrolysis Test.
 - c) Casein Hydrolysis Test.
 - d) Gelatin Hydrolysis Test.
 - e) Catalase Test.

➤ MOLECULAR BIOLOGY

Fees: 3000

1. Culture preservation techniques
2. Preparation of equilibrated Phenol.
3. DNA Isolation from different parts of Plant.
4. Genomic DNA Isolation from Bacteria.
5. Plasmid DNA Isolation from Bacteria.
6. Isolation of Mitochondrial DNA from plant.
7. Isolation of Fungal DNA.
8. Agarose Gel electrophoresis.
9. Extraction of Protein from Plant sample.
10. Estimation of Protein by Bradford Method.

Contact us today to learn more about how Narayana Labs can support your Research journey.

