

Training in DNA Fingerprinting

Key Features:

- Hands on Experience on DNA Fingerprinting
- Useful tool for Plant Biotechnology & Forensic Science
- Gateway to solve the puzzle of DNA
- Introduction to instrumentation: PCR , Real Time PCR , Microarray , HPLC,GC etc.

Module I : Basics of Laboratory

- Handling of Instruments
- Laboratory Safety Protocols
- Calibration of Instruments
- Preparation of Solutions
- Functions of chemicals & solutions

Module II: Basics of DNA Fingerprinting

Module III: Applications and Method of DNA Fingerprinting

Module IV: DNA Fingerprinting through RAPD

- Isolation of Genomic DNA
- Purification of Genomic DNA
- DNA Electrophoresis
- DNA Quantitation
- DNA Dilution
- Primer Screening (PCR)
- Electrophoresis of PCR Product

Module V: DNA Scoring & Software Analysis

Module V: Dendogram Generation / Construction of Phylogenetic Tree

Module V: Similarity Matrix (Diversity Metrix)

Module VI: Project Report

Duration: 30 Days from date of joining

Total Number of Experiments: 25

Service Charges: Rs 8,000 /-

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