

Lab Services

1. Analytical Services

- Sample Testing & Analysis
- HPLC (High-Performance Liquid Chromatography)
- GC-MS (Gas Chromatography-Mass Spectrometry)
- Spectrophotometry (UV-Vis, IR)
- ELISA (Enzyme-Linked Immunosorbent Assay)
- Water and Soil Analysis

2. Molecular Biology Services

- DNA/RNA Extraction
- PCR (Polymerase Chain Reaction) Analysis
- qPCR (Quantitative PCR)
- Genotyping and Sequencing
- Plasmid Isolation and Transformation

3. Microbiology Services

- Pathogen Identification and Detection
- Antimicrobial Susceptibility Testing
- Environmental Microbiology Testing (Air, Water, Surface)
- Fermentation Process Optimization
- Strain Development and Preservation

4. Biochemical Services

- Enzyme Assays and Kinetics
- Protein Purification and Characterization
- Bioassay Development
- Metabolomics Studies

5. Cell Culture Services

- Mammalian Cell Culture
- Cytotoxicity and Viability Assays

- Stem Cell Research Support
- 3D Cell Culture Models

6. Training and Skill Development

- Hands-on Training in Molecular Techniques
- Microbiology Workshop Programs
- Biopython and Bioinformatics Training
- Computational Biology and CADD Workshops
- Real-Time Industrial Applications Training

7. Customized Research Projects

- End-to-End PhD Guidance
- Scholarly Research Support
- Literature Review and Protocol Design
- Data Analysis and Interpretation

8. Forensic Science Services

- Forensic DNA Analysis
- Toxicology Screening
- Drug Analysis and Identification
- Trace Evidence Analysis

9. Lab Setup Consultancy

- Microbiology Lab Setup
- Molecular Biology Lab Design
- Equipment Procurement and Installation
- Standard Operating Procedure (SOP) Development

10. Academic Support

- Thesis Writing and Formatting
- Publication and Patent Support
- Internship Programs for Students
- Faculty Development Programs