

MOLECULAR CELL BIOLOGY AND GENETICS

The branch of biology that deals with the nature of biological processes at the molecular level through the study of macro and other molecules involved in genetic information and cell function, making use of advanced tools and techniques of separation, manipulation, imaging, and analysis.

Agrose Gel Electrophoresis

Isolation of DNA from various sources microbial plants and animal, DNA Fingerprinting, **PCR, RAPD, RFLP, ISSR** & Gel documentation.

Poly – Accrylamide gel Electrophoresis

- SDS Page, silver staining.

Blotting Techniques

- Southern & Western Blotting technique.

Sequencing

- 16s rRNA & 18s rRNA.