

## **BASICS IN PROTEIN TECHNIQUES (5 DAYS)**

- ❖ General and safety instructions of Biochemical lab.
- ❖ Principle and handling of laboratory equipments.
- ❖ Basics of calculations, weighing and measurements.
- ❖ Preparation of reagents & standard solutions.
- ❖ Isolation of crude protein from plant & Bacteria
- ❖ Qualitative analysis of protein
- ❖ Protein precipitation
  - Salt precipitation
  - Solvent precipitation
- ❖ Estimation of total protein by Lowry's method
- ❖ SDS-PAGE gel electrophoresis
- ❖ Gel documentation & Molecular weight determination

