BSP509 IMMUNOLOGY LAB

Course Outcomes:

After successful completion of the course, students will be able to:

CO 1. Develop skills in immunology lab experiments.
CO 2. Isolate lymphocytes and identify different blood cells
CO 3. Understand hemolymph cells in insects
CO 4. Perform immunoassays using various immunodiffusion methods
CO 5. Detect and quantify antigens and allergens using established methods

1. Study of immune system in rats
2. Blood film preparation and study of immune cells
3. Isolation of lymphocytes
4. Study of insect hemocytes
5. Ouchterlony double diffusion assay
6. Radial Immuno diffusion technique
7. Immunological diagnosis of pregnancy and infection
8. DOT- ELISA technique
9. Rocket immunoelectrophoresis method
10. Detection of allergens: Pollen Count by sticky slide method