

## 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 Immunodiffusion technique
7. Immunological diagnosis of pregnancy and infection
8. DOT- ELISA technique
9. Rocket immune electrophoresis method
10. Detection of allergens: Pollen Count by sticky slide method

