

## 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

