OBJECTIVES

1. To evaluate and characterize different isolates of *B. bassiana* on the basis of their pathogenic potential to the test insects (*Helicoverpa armigera*, *Spodoptera litura* and *Spilosoma obliqua*).

2. To evaluate and characterize different isolates of *B. bassiana* on the basis of physiological and morphological parameters:
   
   (i) Effect of different synthetic nutrient media, pH and temperature on the growth of *B. bassiana*.

   (ii) Study of morphological characters of *B. bassiana*.

3. To study the histopathology of *H. armigera*, *S. litura* and *S. obliqua* infected with *B. bassiana*.

4. To determine susceptibility of different larval instars of *H. armigera*, *S. litura* and *S. obliqua* to *B. bassiana* at different inoculum levels.

5. To study the influence of different host plants on the susceptibility of *H. armigera*, *S. litura* and *S. obliqua* to *B. bassiana*.

6. To determine the effect of different temperature on the susceptibility of *H. armigera*, *S. litura* and *S. obliqua* to *B. bassiana*.

7. To study the compatibility of *B. bassiana* with pesticides and bioagents:
   
   (i) Effect of pesticides on radial growth of *B. bassiana*.

   (ii) Effect of *B. bassiana* on some insect predators.

8. To study the host range of *B. bassiana*.

9. To screen different substrates for mass multiplication of *B. bassiana*. 