

## **CHAPTER-3**

### **Objectives of the research:**

1. Isolation, identification, and characterization of the pathogenic fungi from the wilt and blight diseased cumin plant.
2. Proving pathogenicity (Koch's postulates) of isolated and identified fungal cultures.
3. *In vitro* testing of antifungal effects of various plant extracts against isolated pathogens.
4. Evaluation of most effective plant extracts against cumin wilt and blight diseases in pot experiments.
5. Co-relation of plant efficacy with biochemical parameters/test.