



**ATMIYA  
UNIVERSITY**

**MANAGEMENT OF CUMIN (*Cuminum cyminum L*)  
WILT (*Fusarium oxysporum*) AND ALTERNARIA  
BLIGHT (*Alternaria burnsii*) DISEASES THROUGH  
DIFFERENT BOTANICALS**

**A Thesis**

**Submitted to the  
Atmiya University,  
For the Degree of**

**DOCTOR OF PHILOSOPHY**

**in**

**Microbiology**

**by**

**Bhavna Jagani**

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