

## Table Index

Table No.		Page No.
1	Survey of different cotton fields in Vadodara district of Gujarat	65
2	Survey of different cotton fields in Bharuch district of Gujarat	66
3	Survey of different cotton fields in Jamnagar district of Gujarat	67
4	List of Fungi Isolated from the rhizospheric and non rhizospheric soil of different Cotton fields of 3 districts in Gujarat	69
5(A)	Showing Percentage Occurrence of seed mycoflora of three varieties of <i>G. herbaceum</i> by Blotter Method	74
5(B)	Showing Percentage Occurrence of seed mycoflora of three varieties of <i>G. herbaceum</i> by Agar Plate Method	75
6	Isolation of AM Spores from the Rhizospheric and Non Rhizospheric soil of different cotton fields of Vadodara district	93
7	Isolation of AM Spores from the Rhizospheric and Non Rhizospheric soil of different cotton fields of Bharuch district	94
8	Isolation of AM Spores from the Rhizospheric and Non Rhizospheric soil of different cotton fields of Jamnagar district	95
9	Characteristics of AM spores based on different morphological features	96
10	Growth responses on 3 varieties of <i>G. herbaceum</i> by AM fungi in Plot of 2x2 m	103
11	Effect of AM fungi on the rhizospheric microorganisms on three varieties of <i>G. herbaceum</i>	104
12	Effect of <i>Trichoderma viride</i> on 3 varieties of <i>G. herbaceum</i> (Pot Study)	111
13	Effect of <i>Gliocladium virens</i> on 3 varieties of <i>G. herbaceum</i> (Pot Study)	113
14	Effect of <i>Aspergillus niger</i> on 3 varieties of <i>G. herbaceum</i> (Pot Study)	115
15	Effect of different fungal culture filtrate on percentage germination of 3 varieties of Cotton seeds.	118
16	Growth parameters of Bt and Non Bt variety of <i>G. herbaceum</i> to different treatments of fertilizers in Plot of 2x2m	123
17	Antagonistic effect of four different fungi against three pathogens.	125
18	List of Plants used as Biocontrol against Pathogenic Fungi	135
19	Percentage inhibition of <i>Fusarium oxysporum</i> <i>in vitro</i> at different concentration of seven leaf extracts	136
20	Percentage inhibition of <i>Chaetomium globosum</i> <i>in vitro</i> at different concentration of seven leaf extracts	137
21	Percentage inhibition of <i>Alternaria alternata</i> <i>in vitro</i> at different concentration of seven leaf extracts	138