

LIST OF TABLES

Table No.	Description	Page No.
1.1	Medicinal plants of <i>Apocynaceae</i> used to treat different human diseases.	15
2.1	Endophytic fungi isolated from different medicinal plants.	24-26
2.2	Bioactive secondary metabolites isolated from endophytic fungi of medicinal plants.	47-50
3.1	Relative frequency (%) of different endophytic fungal taxa isolated from four medicinal plants of <i>Apocynaceae</i> .	65-66
4.1	Screening for antimicrobial activity of endophytic fungi from <i>Nerium oleander</i> by agar plug method.	86-87
4.2	Screening for antimicrobial activity of endophytic fungi from <i>Plumeria acuminata</i> by agar plug method.	88
4.3	Screening for antimicrobial activity of endophytic fungi from <i>Plumeria obtusifolia</i> by agar plug method.	89
4.4	Screening for antimicrobial activity of endophytic fungi from <i>Rauwolfia tetraphylla</i> by agar plug method.	90
4.5	Antimicrobial activity of crude extracts of endophytic fungi isolated from medicinal plants of <i>Apocynaceae</i> .	93-94
4.6	Phytochemical analysis of ethylacetate extract of endophytic fungi isolated from medicinal plants of <i>Apocynaceae</i> .	96
5.1	Antimicrobial activity of different fractions of solvent extract from <i>Cochliobolus kusanoi</i> .	111
5.2	Crystallographic data and structural refinement parameters of oosporein.	118
5.3	Intermolecular hydrogen bonds in the crystal structures of oosporein.	118
5.4	Percentage inhibition of human pathogenic microorganisms by oosporein.	120
6.1	Sequences of primers used for quantification of gene expression by quantitative Real time-PCR.	129