

LIST OF FIGURES

FIG. NO.	TITLE	PAGE NO.
3.1	Photograph of flower heads of <i>Sphaeranthus indicus</i> Linn.	60
3.2	Photograph of roots of <i>Cissampelos pareira</i> Linn.	61
3.3	Photograph of rhizomes of <i>Curculigo orchioides</i> Gaertn.	62
3.4	Microscopical characters of the root of <i>C. pareira</i> .	63
3.5	Microscopical characters of rhizomes of <i>C. orchioides</i> .	64
3.6	Microscopical characters of powder of flower heads of <i>S. indicus</i> .	65
3.7	Microscopical characters of powder of flower heads of <i>C. pareira</i> .	66
3.8	Microscopical characters of powder of flower heads of <i>C. orchioides</i> .	67
3.9	Effect of methanol extract of <i>S. indicus</i> and its different fractions on HA titre.	78
3.10	Effect of petroleum ether extract of <i>S. indicus</i> on HA titre.	79
3.11	Effect of water extract of <i>S. indicus</i> and its fraction on HA titre.	80
3.12	Effect of methanol extract (A) and alkaloidal fraction (AFCP) (B) of <i>C.pareira</i> on HA Titre.	82
3.13	Effect of methanol extract of <i>C. orchioides</i> on HA titre.	83
3.14	Effect of methanol extract and its different fractions of <i>S. indicus</i> on Phagocytic index (k).	85
3.15	Effect of petroleum ether extract of <i>S. indicus</i> on phagocytic index.	86
3.16	Effect of water extract of <i>S. indicus</i> and its fraction on Phagocytic index (k).	87

3.17	Effect of methanol extract (A) and alkaloidal fraction (AFCP) (B) of <i>C.pareira</i> on Phagocytic index (k).	89
3.18	Effect of methanol extract of <i>C. orchoides</i> on Phagocytic index (k).	90
3.19	Effect of methanol extract and its different fractions of <i>S. indicus</i> on DTH response.	93
3.20	Effect of petroleum ether extract of <i>S. indicus</i> on DTH response.	94
3.21	Effect of water extract of <i>S. indicus</i> and its fraction on DTH response.	95
3.22	Effect of methanol extract (A) and alkaloidal fraction (AFCP) (B) of <i>C.pareira</i> on DTH response.	96
3.23	Effect of methanol extract of <i>C. orchoides</i> on DTH response.	97
3.24	Effect of methanol extract and its different fractions of <i>S. indicus</i> on cyclophosphamide induced myelosuppression (Total WBC).	99
3.25	Effect of water extract of <i>S. indicus</i> and its fraction on cyclophosphamide induced myelosuppression assay (Total WBCs).	100
3.26	Effect of methanol extract of <i>C. pareira</i> on cyclophosphamide induced myelosuppression assay (Total WBCs).	101
3.27	Effect of methanol extract of <i>C. orchoides</i> on cyclophosphamide induced myelosuppression (Total WBC).	102
3.28	Effect of bioactive fraction of <i>S.indicus</i> and Cyclophosphamide (CP) on HA titre and DTH response using SRBCs as antigen- 7 days pretreatment.	113
3.29	Effect of methanol extract of <i>C.pareira</i> and cyclophosphamide on HA titre and DTH response using SRBCs as antigen- 7 days pretreatment.	114

3.30	Effect of methanol extract of <i>C.orchioides</i> and Cyclophosphamide on HA titre and DTH response using SRBCs as antigen- 7 days pretreatment.	115
3.31	Effect of bioactive fraction of <i>S. indicus</i> on HA titre and DTH response using SRBCs as antigen- 15 days pretreatment.	121
3.32	Effect of methanol extract of <i>C. pareira</i> on HA titre and DTH response using SRBCs as antigen- 15 days pretreatment.	122
3.33	Effect of methanol extract of <i>C. orchioides</i> on humoral (HA Titre) and cellular immunity (DTH response) using SRBCs as antigen- 15 days pretreatment.	123
3.34	Antiradical activity of Curcumin (standard) observed with DPPH. (n= 3)	129
3.35	Antiradical activity of methanol extract (A) and bioactive fraction (B) of <i>S. indicus</i> observed with DPPH (n = 3).	130
3.36	Antiradical activity of methanol extract (A) and alkaloidal fraction (B) of <i>C. pareira</i> observed with DPPH (n = 3).	131
3.37	Antiradical activity of methanol extract of <i>C. orchioides</i> observed with DPPH (n = 3).	132
3.38	Superoxide anion scavenging activity of Ascorbic acid (standard). (n= 3)	135
3.39	Superoxide anion scavenging activity of methanol extract (A) and bioactive fraction (B) of <i>S. indicus</i> observed with Riboflavin-Light-NBT system (n = 3)	136
3.40	Superoxide anion scavenging activity of methanol extract (A) and alkaloidal fraction (B) of <i>C. pareira</i> observed with Riboflavin-Light-NBT system (n = 3).	137
3.41	Superoxide anion scavenging activity of methanol extract of <i>C. orchioides</i> observed with Riboflavin-Light-NBT system (n = 3).	138

3.42	Nitric oxide scavenging activity of standard antioxidant Curcumin.	140
3.43	Nitric oxide scavenging activity of methanol extract of <i>C. orchoides</i> (n= 3)	141
3.44	Reducing power determinations of selected drugs	143
3.45	Measurement of inhibition of lipid peroxidation induced by iron/ADP/Ascorbate system in rat liver homogenate by ascorbic acid.	146
3.46	Measurement of inhibition of lipid peroxidation induced by iron/ADP/Ascorbate system in rat liver homogenate by methanol extract (A) and bioactive fraction (B) of <i>S. indicus</i> . (n= 3).	147
3.47	Measurement of inhibition of lipid peroxidation induced by iron/ADP/Ascorbate system in rat liver homogenate by methanol extract (A) and alkaloidal fraction (B) of <i>C. pareira</i> . (n= 3)	148
3.48	Measurement of inhibition of lipid peroxidation induced by iron/ADP/Ascorbate system in rat liver homogenate by methanol extract of <i>C. orchoides</i> . (n= 3)	149
3.49	Chromatograms of methanol extract of <i>S. indicus</i> .	153
3.50	Chromatograms of petroleum ether fraction of methanol extract of <i>S. indicus</i> .	162
3.51	Chromatograms of benzene fraction of methanol extract of <i>S. indicus</i> .	163
3.52	Chromatograms of chloroform fraction of methanol extract of <i>S. indicus</i> .	164
3.53	Chromatogram of bioactive fraction of <i>S.indicus</i> .	165
3.54	Chromatograms of petroleum ether extract of <i>S. indicus</i> .	168
3.55	Chromatogram of methanol extract of <i>C. pareira</i> .	176
3.56	Chromatogram of alkaloidal fraction of <i>C. pareira</i> .	177
3.57	Chromatogram of methanol extract of <i>C. orchoides</i> .	178