

List of Tables

Table No	Caption	Page No.
Table-1	Description of study sites	24
Table -2	Seasonal variations of physicochemical parameters of water samples of study site S1	38-39
Table- 3	Seasonal variations of physicochemical parameters of water samples of study site S2	44-45
Table- 4	Seasonal values of physicochemical parameters of water samples of study site S3	50-51
Table -5	Seasonal values of physicochemical parameters of water samples of study site S4	56-57
Table -6	Seasonal variations of physicochemical parameters of water samples of study site S5	61-62
Table- 7	Diversity of algae in the study sites S 1 to S 5	67-75
Table -8	Seasonality of algae in study site S1	80-81
Table- 9	Seasonality of algae in study site S2	83-86
Table -10	Seasonality of algae in study site S3	89-91
Table-11	Seasonality of algae in study site S4	94-98
Table-12	Seasonality of algae in study site S5	102-105
Table-13	Seasonal variation of algal density ($\times 10^3$ individual/l) in the study sites	108
Table-14	Similarity indices between the study sites	110

Table No	Caption	Page No.
Table-15	Shannon and Weaver Diversity Index of the study sites	111
Table-16	Pielou's evenness index of study sites	111
Table-17	Palmer's pollution index of the study sites	112
Table-18	Pearson's correlation matrix between physicochemical properties of water samples and algal density in the study site S1	115
Table-19	Pearson's correlation matrix between physicochemical properties of water samples and algal density in the study site S2	116
Table-20	Pearson's correlation matrix between physicochemical properties of water samples and algal density in the study site S3	117
Table-21	Pearson's correlation matrix between physicochemical properties of water samples and algal density in the study site S4	121
Table-22	Pearson's correlation matrix between physicochemical properties of water samples and algal density in the study site S5	122