Figure 64  Percentage contribution of different groups of algae in the ponds V₁ to A₂ (Feb. 2009 – Jan. 2010)
Figure 65  Percentage contribution of different groups of algae in the ponds V₁ to A₂ (Feb. 2010 – Jan. 2011)
Figure 66  Population dynamics of Chlorophyceae in the experimental ponds during the first year (Feb. 2009 – Jan. 2010)
Figure 67  Population dynamics of Chlorophyceae in the experimental ponds during the first year (Feb. 2010 – Jan. 2011)
Figure 68  Population dynamics of Bacillariophyceae in the experimental ponds during the first year (Feb. 2009 – Jan. 2010)
Figure 69  Population dynamics of Bacillariophyceae in the experimental ponds during the first year (Feb. 2010 – Jan. 2011)
Figure 70  Population dynamics of Cyanophyceae in the experimental ponds during the first year (Feb. 2009 – Jan. 2010)
Figure 71  Population dynamics of Cyanophyceae in the experimental ponds during the first year (Feb. 2010 – Jan. 2011)
Figure 72  Population dynamics of Euglenophyceae in the experimental ponds during the first year (Feb. 2009 – Jan. 2010)
Figure 73  Population dynamics of Euglenophyceae in the experimental ponds during the first year (Feb. 2010 – Jan. 2011)
Figure 74a Species diversity (H¹), Species Richness Index (SRI), Dominance Index (DI) and Species Evenness (J¹) of Phytoplankton in the experimental ponds V₁ to K₂ (Feb. 2009 – Jan. 2010)
Figure 74b Species diversity (H¹), Species Richness Index (SRI), Dominance Index (DI) and Species Evenness (J¹) of Phytoplankton in the experimental ponds T₁ to A₂ (Feb. 2009 – Jan. 2010)
Figure 75a Species diversity (H¹), Species Richness Index (SRI), Dominance Index (DI) and Species Evenness (J¹) of Phytoplankton in the experimental ponds V₁ to K₂ (Feb. 2010 – Jan. 2011)
Figure 75b Species diversity (H¹), Species Richness Index (SRI), Dominance Index (DI) and Species Evenness (J¹) of Phytoplankton in the experimental ponds T₁ to A₂ (Feb. 2010 – Jan. 2011)
Table 1  Seasonal variation (X ± SD) of physico-chemical parameters of water recorded in the ponds V₁ to A₂ (Feb. 2009 to Jan. 2010)

Table 2  Seasonal variation (X ± SD) of physico-chemical parameters of water recorded in the ponds V₁ to A₂ (Feb. 2010 to Jan. 2011)

Table 3  Annual mean (X ± SD) of various physico-chemical parameters of water recorded in the ponds V₁ to A₂ (Feb. 2009 to Jan. 2010)

Table 4  Annual mean (X ± SD) of various physico-chemical parameters of water recorded in the ponds V₁ to A₂ (Feb. 2010 to Jan. 2011)

Table 5  Two way analysis of variance showing seasonal variation of Temperature (°C) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 6  Two way analysis of variance showing seasonal variation of pH in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 7  Two way analysis of variance showing seasonal variation of Dissolved Oxygen (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 8  Two way analysis of variance showing seasonal variation of Biological Oxygen Demand (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 9  Two way analysis of variance showing seasonal variation of Total Dissolved Solids (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 10  Two way analysis of variance showing seasonal variation of Carbon dioxide (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 11  Two way analysis of variance showing seasonal variation of Total Alkalinity in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 12  Two way analysis of variance showing seasonal variation of Chloride (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 13  Two way analysis of variance showing seasonal variation of Calcium (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 14  Two way analysis of variance showing seasonal variation of Magnesium (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 15  Two way analysis of variance showing seasonal variation of Sodium (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 16  Two way analysis of variance showing seasonal variation of Potassium (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 17  Two way analysis of variance showing seasonal variation of Sulphate (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 18  Two way analysis of variance showing seasonal variation of Nitrate (mg/L) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)
Table 19 Two way analysis of variance showing seasonal variation of Phosphate in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 20 Seasonal variation (X ± SD) of sediment analysis in the ponds V₁ to A₂ (Feb. 2009 to Jan. 2010)

Table 21 Seasonal variation (Mean ± SD) of sediment analysis in the ponds V₁ to A₂ (Feb. 2010 to Jan. 2011)

Table 22 Annual mean (Mean ± SD) of sediment analysis in the ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 23 Two way analysis of variance showing seasonal variation of sediment pH in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 24 Two way analysis of variance showing seasonal variation of Electrical Conductivity (mhos/cm) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 25 Two way analysis of variance showing seasonal variation of Organic Carbon (mg/kg) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 26 Two way analysis of variance showing seasonal variation of Nitrogen (mg/kg) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 27 Two way analysis of variance showing seasonal variation of Phosphorus (mg/kg) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 28 Two way analysis of variance showing seasonal variation of Potassium (mg/kg) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 29 Two way analysis of variance showing seasonal variation of Iron (mg/kg) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 30 Two way analysis of variance showing seasonal variation of Zinc (mg/kg) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 31 Two way analysis of variance showing seasonal variation of Copper (mg/kg) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 32 Two way analysis of variance showing seasonal variation of Manganese (mg/kg) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 33 Seasonal variations (± SD) of productivity in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2010)

Table 34 Seasonal variations (± SD) of productivity in the experimental ponds V₁ to A₂ (Feb. 2010 to Jan. 2011)

Table 35 Annual mean (± SD) of productivity in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 36 Two way analysis of variance showing seasonal variation of Gross Primary Productivity (gC/m³/day) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)

Table 37 Two way analysis of variance showing seasonal variation of Net Primary Productivity (gC/m³/day) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011)
| Table 38 | Two way analysis of variance showing seasonal variation of Community Respiration (gC/m³/day) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011) |
| Table 39 | Correlation among the phytoplankton productivity and water parameters in the ponds V₁ to A₂ (Feb. 2009 to Jan. 2010). |
| Table 40 | Correlation among the phytoplankton productivity and water parameters in the ponds V₁ to A₂ (Feb. 2010 to Jan. 2011). |
| Table 41 | Seasonal variations (x ± SD) of Phytoplankton (No. x 10³ cells/m³) recorded in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2010). |
| Table 42 | Seasonal variations (x ± SD) of Phytoplankton (No. x 10³ cells/m³) recorded in the experimental ponds V₁ to A₂ (Feb. 2010 to Jan. 2011). |
| Table 43 | Two way analysis of variance showing seasonal variation of Chlorophyta (No. x 10³ cells/m³) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011) |
| Table 44 | Two way analysis of variance showing seasonal variation of Bacillariophyta (No. x 10³ cells/m³) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011) |
| Table 45 | Two way analysis of variance showing seasonal variation of Cyanophyta (No. x 10³ cells/m³) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011) |
| Table 46 | Two way analysis of variance showing seasonal variation of Euglenophyta (No. x 10³ cells/m³) in the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2011) |
| Table 47 | List of phytoplankton recorded from the experimental ponds V₁ to A₂ (Feb. 2009 to Jan. 2010) |
| Table 48 | List of phytoplankton recorded from the experimental ponds V₁ to A₂ (Feb. 2010 to Jan. 2011) |
| Table 49 | Tropical status of the Experimental ponds during the study periods (Feb. 2009 to Jan. 2011) |
| Table 50 | Systematic status of identified algae of the experimental ponds |

**PUBLICATIONS**