STUDIES ON ALGAL DIVERSITY IN AND AROUND HYDERABAD

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Abstract- The present study deals with the diversity of phytoplankton of fresh water bodies from the Hyderabad city. The present work is carried out for 1 Years from March 2013 to April 2014. The algal diversity survey revealed the presence of 95 species, belonging four major groups; Bacillariophyceae, Chlorophyceae, Euglenophyceae and Cyanophyceae. Out of which Bacillariophyceae was dominant. The group wise population density is as Bacillariophyceae>Chlorophyceae>Euglenophyceae>Cyanophyceae. The 28 species of Bacillariophyceae, 17 species of Chlorophyceae, 27 species of Euglenophyceae, 6 species of Cyanophyceae. The investigation shows that these classes of phytoplankton showed considerable fluctuations with water quality parameters.

Key words- phytoplankton, Algae, Hyderabad city.