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## OCCURRENCE OF PHYTOPLANKTON FROM BORI TANK, NALDURG DISTRICT OSMANABAD (M.S.) INDIA

**M. G. BABARE**

Arts, Science and Commerce College, Naldurg,  
Dist. Osmanabad.

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### ABSTRACT

*The present communication deals with the study of occurrence of phytoplankton from Bori tank, Naldurg Dist. Osmanabad. The present work was carried out during the year 2017 (January to December).*

*Phytoplanktons are biotic parameter of tank and bio indicator also. There are total 16 species were recorded during the study period. Among phytoplanktons, chlorophyceae were more abundant during the study period. Bascillariophyceae got second position.*

**KEYWORDS:** *phytoplankton- occurrence- Bori tank.*

### INTRODUCTION

Pond ecosystem can be explained as a body of shallow standing water characterized by relatively quiet water and abundant vegetation with thousands of microorganisms. The important components of pond ecosystem are abiotic and biotic components. The biotic components include all living substances, they maybe producers consumers and decomposers.

The present study comprises the study of one of the biotic component that is phytoplanktons.

### MATERIALS AND METHODS

The monthly samples were collected from the study site. The one litre plastic bottle was used for sample collection. The sample was collected during morning time. The sample was estimated for phytoplanktons with the help of standard literature that is APHA (1985).

For the collection of the plankton, plankton net was used the method for estimation commonly used was the drop method and Sedgwick-Rafter cell methods.

### DISCUSSION

The occurrence of phytoplanktons from Bori tank during the study period are listed in Table Number I

**Table Number. I**  
**Occurrence Of Phytoplankton From Bori Tank, Naldurg**  
**District Osmanabad (M.S.) India**

Sr. No.	Class	Genera
1	Cyanophyceae	A) Oscillatoria sp. B) Spirulina sp. C) Calotrips sp. D) Cylindrospermu sp. E) Anabaena sp.
2	Bascillariophyceae	A) Navicula sp. B) Nitzschia sp. C) Cymella sp. D) Synedra. sp E) Cyclostella
3	Chlorophyceae	A) Spirogyra sp. B) Cladophora sp. C) Closterium sp. D) Cosmarium. sp E) Ankistodesmus. sp F) Pedistrum

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