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## **The Study of Selected Hydrophytes in Lake-pya-kan, Bago Township**

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### **Abstract**

The research area, Lake-pya-kan is a very famous and nice place which is located in the centre of Bago. The specimens were collected from seasonally, mostly twice a year in the raining and summer. A total of 14 species of vascular hydrophytes belonging to 12 genera of 10 families were collected from this area and 15 species of nonvascular hydrophytes were also undertaken. The salient morphological characteristics of each and every species have been identified. The morphological descriptions, photographic records and the location map are also given.

### **Aims and Objectives**

- To know the vegetation types of this area
- To identify the plants and phytoplankton of the research area
- To document the morphological characteristics of the plants
- To find the medicinal and commercial value of the plants in this region.

### **Introduction**

Lake-pya-kan is one of the famous places of Bago which is located in the centre of the town, bounded to the west by Komin-kochin Road, to the east by nursery school, to the south by Auto-exchange and to the north by Thanatpin Road.

The hydrophytes are defined as the plants grow in water or in wet-soil which is saturated with water or is covered with water. These are divided into nonvascular hydrophytes (phytoplankton) and vascular hydrophytes.

Algae or phytoplankton are found in free floating or attached at the bottom of the pool; a few grasses and aquatic angiosperms are growing along the periphery region of the research area. Some of them are abundant in the middle region.

Intensive collections of the specimens were made monthly covering all seasonal variations.

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