

**SOME LIMNOLOGICAL OBSERVATIONS AT KOTMALE, VICTORIA AND  
RANDENIGALA RESERVOIRS**

by

**Swarna Piyasiri**

University of Sri Jayawardenapura, Nugegoda

Some limnological observations in terms of Physico-Chemical and Biological properties are described in the three major reservoirs of the "Accelerated Mahaweli Project" in Sri Lanka. The reservoirs are oligomictic with a thermal stratification throughout the year. Due to rainy season, increased depth of the reservoirs leads to a chemical stratification and development of a deep layer at the bottom with low Oxygen levels.

The water transparency, conductivity, pH and other parameters show a marked seasonal fluctuation. Abundance of planktonic organisms and some stages of zooplankton were affected by the water level fluctuations of the reservoirs. Some taxonomic groups of plankton are common throughout the year.