

## **Theme 7: Lakes, rivers, estuaries: water quality, biotic resources, sustainable management**

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### **COMPARATIVE RATE OF TEMPERATURE, MOISTURE & HUMIDITY VARIATION EXPRESSIONS BETWEEN YELLAMMA AND KRISHNARAJAPURAM LAKE OF BANGALORE SUB-URBAN AREA**

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The aim and objective of the research is to find out the comparative rate of expression of temperature, moisture and humidity in Yellamma and Krishnarajapuram lakes in Bangalore city.

Wetlands play an essential part in the regulation of river flow and they are spawning zones for some species of fish. They also provide a habitat for plants, insects, batrachians and birds. Increase in urbanization has lead to pollution thereby affecting the water quality and varieties of microbial growth. An estimation of the normal parameters can predict the quality of the most important organic and inorganic salts and solutes present.

The present study recorded various data viz. topography, climatic condition like temperature, moisture and humidity and also geographical and ecological factors. The lake and the surrounding area as well (1 Km away from the lake) were subjected for the study.

The results of both the lakes were compared. The results will be presented and discussed.