

## **PHYSICO-CHEMICAL PARAMETERS OF SEAWATER AND ITS SIGNIFICANCE IN SISOSTRIS BAY, ANDAMAN SEA**

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### **Abstract**

To understand the physico-chemical parameters of seawater and its significance of Sisostris Bay, Port Blair, Andamans, a study was conducted for a period of one year (September 2007–2008). The parameters such as Temperature, Salinity, Dissolved Oxygen, pH, ORP/Eh and Turbidity was estimated using the Quanta Hydrolab at surface and 15m depth for five stations which covers the entire Bay from Ross Island to Phoenix Bay.

The study suggests that the mixing of water was noticed in October, at 15m to the surface. The results of Dissolved Oxygen and ORP (Eh) suggest, between September and March, the productivity reaches to a peak level but during December entire productivity may disappear till July. Later, the entire cycle repeats and progresses once again.

*Keywords:* Seawater, Physico-chemical, Port Blair, Sisostris Bay, Andaman Sea.