

Measurment and analysis of Chemical Oceanography Parameters of Mond Estuary (Bushehr Province)

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Abstract

Regarding the importance of recognizing marine and coastal medias, in this project, physicochemical parameters including the amount of nutrients, salinity, alkalinity, electrical conductivity (EC), dissolved oxygen (DO) and pH in the Mond river waters, estuarine and marine waters in the river entrance to the Persian Gulf was measured. Sampling carried out in cold and warm seasons. The concentration of nutrients after transferring samples to the laboratory measured by Moopam standard method and total alkalinity measured by two-stage open cell potentiometric titration method and other parameters measured in situ by portable machines. The results showed that the average concentration of nitrite and nitrate in estuarine stations were more than marine and river stations. Alkalinity measurement results showed that there were no significant difference in the estuarine, sea and river stations between summer and winter.

Keywords: Chemical oceanography, Estuary, Mond River, Bushehr.