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The study of stratification and stability of Qeshm island west coast water

Maryam Khoshkhou and Karamipoor Afsaneh
Research Center Razi Rey, Iran

Persian Gulf is one of the most important bodies of water which has a very difficult and overwhelming dominant ecosystem due to severe environmental conditions such as temperature and salinity. Qeshm Island has a fundamental role in the diversity of biological behavior as well as available dispersion. Characterization of ecological resources is the first step for any study to identify factors influencing the behaviors and conditions are in the sea. The study of circular parameters within the sight and physical concept, to clear up some of physical oceanography phenomena are useful. Ocean areas by nature have double-diffusion convection because of the existing salinity and temperature differences in various depths. As part of the ocean has a temperature inversion (temperature increasing with depth). In the Island, there are two procedures of dual diffusion convection; including finger and diffusive regime, which have a conventional role in creating temperature inversion. Effects of bottom topography and coastline drastic changes influence the double diffusive convection. Environment's action like Mangro Jungle (Hara) and the result of tide near the Hormoz Strait, the flow of sweet waters from the Ocean due to salinity and rich materials have been analyzed. The time series of air and water could be analyzed by the relation of each other and the spread of the time series and Richardson Numbers in layers of water and the result of Regression. At the beginning of hot days, due to the temperature change in column of water, Thermocline layer appears. The existence of Thermocline layer in summer is the result of hot water capacity and lock of penetration of hot water in winter into the lower layers.

Biography

Maryam Khoshkhou graduated from Shiraz University in BA, Nuclear Physics and received MA from Tehran University of Science and Research in Physical Oceanography. She worked as a teacher for 17 years, and also 5 years in university. She has rendered 13 articles in domestic conferences and one article in domestic and overseas conferences. At present, she works for one of the Education centers.

maryamkhoshkhou@yahoo.com