عنوان مقاله:
Examination of upwelling in the Iranian coast

محل انتشار:
هجدهمین کنفرانس هیدرولیک ایران (سال: 1398)

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خلاصه مقاله:
Temperature is a fundamental parameter in physical oceanography and is the basis of oceanographers work in studying and understanding processes in oceans and aquatic basins. Upwelling events transfer nutrients from the lower layers to seas surface. It is a phenomenon that detected by the difference in sea surface temperature and current near the coastline. The purpose of this study is to investigate the phenomenon of upwelling in the Gulf of Oman and the Persian Gulf so the monthly average of sea surface temperature data and HYCOM model output over 2016 has used. Upwelling events occurred in the Persian Gulf in two months on the middle and western parts of the Gulf. In the Gulf of Oman, the current in the north shoreline of the Arabian Sea and the Gulf of Oman were created by seasonal monsoon.in the northern coastline in spring, summer and autumn upwelling occurred. In the east of Oman, .the flows caused upwelling

کلمات کلیدی:
Sea Surface Temperature (SST), Marine Current, HYCOM, Persian Gulf