

## عنوان مقاله:

Simulating the Pattern of Pollutant Emission in the Hadish Watercourse

## محل انتشار:

فصلنامه بین المللی مهندسی سواحل و فراسواحل, دوره 1, شماره 4 (سال: 1396)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Hadish watercourse located in the in south of Iran, is a seasonal channel of water which crosses through Bandar Abbas to reach to the Persian Gulf. This watercourse is faced with numerous environmental problems in regard with the pollution entrance. Huge amount of the urban and industrial sewages of the city are discharged into this watercourse. In this investigation, considering the discharge of  $1.36 \text{ m}^3/\text{s}$  into this watercourse, according to the literatures, the procedure of emission of pollution in the area was modeled. For this purpose Delft3D software has been employed. The model has been calibrated and evaluated considering water level data from Rajae Port. It was found that, the pollution mainly remains inside the watercourse which is due to the ebb dominance nature of the channel. The results of this research show that the discharging the sewage into this channel endangers not only the western coast of Bandar Abbas, but the health of the citizens.

## کلمات کلیدی:

Hadish watercourse, pollution, Delft3D, tide, Persian Gulf

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1447995>

