

**Geomorphological changes in the western coast of the Kingdom
of Saudi Arabia between the Islamic port of Jeddah and
Ras Al-Jarjoub**

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Abstract

This study aims to detect the geomorphological changes of The western coast of the Kingdom of Saudi Arabia between the Islamic port of Jeddah and Ras Al-Jarjoub through studying natural and human characteristics of the region. Coast erosion factors and their effects had been underlined. The study depends on the descriptive methodology of geographic topics related to the region in research, and the methodology of locative analysis by depending on space visuals and geographic information systems and performing a geomorphological map.

Some of the most important results of the study are the erosion of most marine interfaces in the region as a result of the natural factors and some promotional projects, and listing the most important procedures to reduce the negative effects. And the role of the Mangrove plant (*Avicennia*) and its importance in keeping the coast line .

The study recommends preparing a main and comprehensive scheme for development in region. And determining the priorities that help reaching the integration between practical geomorphology and sustainable development .