

عنوان مقاله:

The evaluating coastal zone Physical vulnerability, Sefidrood River Delta

محل انتشار:

پنجمین کنفرانس بین المللی اقیانوس شناسی خلیج فارس (سال: 1400)

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خلاصه مقاله:

Rising sea and ocean levels since the twentieth century have caused serious concern to various coastal stakeholder and caused major damage to the global shores and deformation of coastal areas. The severity of physical vulnerability of coastal areas depends on the increase of sea level, coast morphology, energy of erosive waves, type and texture of sediments, geodynamic activities. The oscillating behavior of the Caspian Sea since the twentieth century has been quite different from that of the open seas and oceans, and in terms of the severity of erosive vulnerability, its coasts are divided into highly vulnerable, intermediate and low-vulnerability areas. In this study, with the aim of determining the severity of physical vulnerability of beaches overlooking the White River Delta, we will evaluate important criteria such as: [coast slope, embankment width, coastal sediment type, coastline displacement, coastal landforms] and the results are processed in the geographic information system and finally, by producing thematic maps related to each of the mentioned criteria and their overlap, we evaluate the severity of physical vulnerability of the coastal areas overlooking the Sefidrood estuary.

کلمات کلیدی:

Caspian Sea, Sefidrood River, Coast, Physical Vulnerability, GIS

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