Surveying of morphological variations and Shoreline Classification of Bandar Abbas for providing Shoreline Management Plan

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Since Bandar Abbas city is located in a strategic commercial, recreational, fishery, political and military region, its coastline has been employed for different application during last three decades, especially construction of Marian facilities. Therefore, conducting of research projects has become important for management decision making and development of coastal zone of the city. This fact becomes more realistic when the coast is classified based on different views and each part of the coast is investigated as a cell or sub cell due to its different behavior. In this, first, different methods for classification of coasts have been reviewed. Then, emphasizing on hydrodynamic and morphological classification, the slope, morphological aspects, kind of coastline and the gradation of its materials, as well as the slope of coastline have been determined. Moreover, the characteristics of wind waves in the region have been investigated using the SW module of MIKE21 software. On the other hands, the beach state has been determined using Masselink & Short, Masselink & Hegge, and Short & Hesp methods and employing RTR and Ω parameters. Finally, the regions of accretion and erosion in this coast line have been investigated using aerial and satellite images captured during last decades.