

عنوان مقاله:

Climate Change Impact Study of the Caspian Sea level changes in the Quaternary sediment

محل انتشار:

کنفرانس بین المللی اقتصاد مدیریت و علوم کشاورزی (سال: 1394)

تعداد صفحات اصل مقاله: 7

نویسنده:

Ali Reza Ghodrati

خلاصه مقاله:

In the recent years, the coastline of Caspian Sea in Guilan province especially the mouth of big rivers such as Sefidroud delta has changed increasingly due to the environmental, continental and marine factors. The changes in the position of these coastlines have made some damages. The changes of water level that come from the land, the differences in the land sediment levels and the situation of erosion in the coastline's sediments such as continental factor and the changes of sea level and the patterns of current and Caspian Sea waves are the some changes that occurs in Caspian Sea's coastlines. The purpose of this study was to investigate the causes of these factors in different regions of Guilan's coastlines. Using of aerial photos in the two periods of years in 1967 and 1994 with the scale of 1/20000 and using of software's such as Ilwis, Photoshopsediment levels was estimated. Some geographic maps and topography with the scales of 1/20000, 1/50000, and space measurement used in order to complete the information in this research. The sedimentary units that studied were units that in geography named Quaternary unit. These units in the sedimentary environment are Qt1, Qt2 and QM, which are related to land environment. Qts, Qsp units is belonged to land and Qt1, Qt2, Qt3 are related to rivers environment and finally the Q2be, Q2b, and Qbm units are related to middle and under coastline. The Guilan's coastline progress under the sea erosion was estimated in Astaneh-Ashrafiye 84.08 ha, Talesh 49.52 ha, Anzali 45.87 ha, Lasko-kelaye 1430.69 ha and Roudsar 678.5 ha. Retrograde under the coastline's sediment was estimated in Astaneh- Ashrafiye 276.99, Talesh 48.31, Anzali has not .retrograde, Lasko-kelaye 2.04 and Roudsar 5.46 ha

کلمات کلیدی:

water advance, changes sea level, Caspian Sea, sedimentation

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/480163>

