

عنوان مقاله:

Examining the Effects of Badland erosion on quality and degradation soil indexes in Darbe-e-Khazine Basin in Shoushtar, Khuzestan, Iran

محل انتشار:

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

تعداد صفحات اصل مقاله: 4

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خلاصه مقاله:

This basin is located in the southwestern province of Iran, in Khuzestan province. The most part of this basin is located in Shoushtar and its terminal parts is spanned geographically between city of Masjed Soleiman and Ramhormoz. Randomized Sampling was done from depth of 30-0 cm of soil in the basin. Some of physical and chemical soil parameters such as pH, electrical conductivity, bulk density, porosity, organic matter, calcium carbonate and soil texture on the samples were tested. The results showed that erosion caused reduced the percentage of Organic matters. According to the obtained results from under study parameters in the two protected and erosional areas. It can be said that difference in average of organic matter was 27.5% and calcium carbonate was 42% and 20%, in bulk density and porosity in 22% in the protected area than eroded area, which if not proper management not applied, in near future this region will observe series crisis and, it will be a background to more severe erosions by wind and water, and soil quality will be seriously damaged

کلمات کلیدی:

erosion, eroding zone, conservation area, the physical properties and soil degradation

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