

## عنوان مقاله:

(The effect of active tectonic to the morphology of Derakht Tangan River fan of Shahdad in the west of Iot (Iran

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## خلاصه مقاله:

Background and objective: The alluvial fan of the Shahdad is one of the huge alluvial in perfectly dry regions in the north eastern Kerman. This alluvial fan is formed by the effect of different materials erosion into the drainage basin of Shahdad River and laying these materials in the final part of this drainage basin called Lut plain. Tectonic acts with efficacy in the place of the settlements of the fan and this place is one of the active tectonic regions. The aim of this article is the morphology of the Derakhtangan river fan indicative of neotectonics in the region. Materials and methods: The method of this research is descriptive-analytical. In the descriptive part, the changes in the region were studied using documentary studies and then using aerial photographs, Google Earth, geological maps and field studies. Results and conclusion: One of the most important pieces of evidence in the region is the various faults in the area and imply to fan alluvium (from head to end), study line profile in past and present. The most important fault of the region is the great fault of Naiband, the southern fault of Shahdad and the series of faults having the direction of northwestern to southeastern and northern and Southern. The drainage basin of the alluvial fan of Shahdad leads from east to Lut and from west to the mountains of Bagbala and Kalisakie from north to the altitudes of Deahran and from south to the mountains of Joftan.

## کلمات کلیدی:

Active tectonic, Alluvial Fan, Effect of faults, Morphology, Shahdad

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