

عنوان مقاله:

Active tectonic influence on evolution of landscape and drainage

محل انتشار:

اولین همایش ملی علوم زمین و توسعه شهری (سال: 1394)

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خلاصه مقاله:

In tectonically active mountain regions, the drainage network reflects the interaction between surface processes and the propagation of thrust faults and folds that have led to the formation of an orogen. It is possible to identify the topographic lineaments affecting Plio-Quaternary deposits and morphologic anomalies disturbing the drainage network geometry. It is possible to distinguish topographic anomalies associated to specific geomorphic surfaces based on precise analysis of DEMs and satellite images accompanied by field investigations. The significance of certain structural features could be considered from a distinct geomorphic point of view. Natural geomorphic processes start to change the newly created slope faces. Site lithology is an effective factor to produce several different landform features such as small landslides and slumps as well as rills, gullies and parallel drainage patterns. Erosion is the dominant process on steep, recently exposed slopes which act at higher rates

کلمات کلیدی:

active tectonic, drainage, basin, geomorphic, morphometric

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