

## عنوان مقاله:

Landslide hazards zonation using GIS in Khoramabad, Iran

## محل انتشار:

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## خلاصه مقاله:

This research is concerned with the landslide susceptibility of Khoramabad area using Geographical Information System (GIS). Landslide susceptibility zonation (LSZ) is able to identify areas prone to failure based on the characteristics of past events. Satellite data, topographic maps, field data, and other informative maps were used as data layer in this study. These data layers are including lithology, slope, aspect, land use, distance from fault, distance from road and density of river. A numerical rating scheme for the factors was developed for spatial data analysis in GIS method. The resulting landslide susceptibility map delineates the study area are located into different zones of susceptibility classes including high, moderate and low. Based on the prepared landslide hazard zonation map some ۳۲% of the study area shows high landslide susceptibility.

## کلمات کلیدی:

Landslide susceptibility, Data layer, geographical information system, Khoramabad

## لینک ثابت مقاله در پایگاه سیویلیکا:

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