

عنوان مقاله:

Analysis of Climatological Drought on the Increases of the Hazard of Sand Movement in Aran and Bidgol Area

محل انتشار:

دومین کنفرانس بین المللی مخاطرات محیطی (سال: 1392)

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خلاصه مقاله:

One of the main tasks of applied Geomorphology is study of position and of vulnerable human environment confronting to variety of geomorphological hazards. hazards due to migration of sands and sand dunes is considered as one of the most prominent geomorphological hazard in arid regions which in addition of harming agricultural function, buildings, cultivated lands, pipe line and transportation net works, in being buried by the sands of Psychology creates serious problems, Therefore Climatological Drought and its consequences have effective role in intensification of occurrence of migration of sands hazard. In fact the area and its suburb is one of the area with frequent occurrence of climatic drought. these area turns to one of the most susceptible arid regions to sands migration hazards. then owing to the main target of research in first step, we calculate the main existing factors of climatic drought such as RAI, RDI PN, SMDI, SPI in the study area. in the next step, using statistical analysis (Kendal and Spearman correlation coefficient), to evaluate the effect and correlation between occurrence of drought and increase of hazard due to the migration sands was studied. Finally, results show field worked help us to make a comprehensive overview hazard in the study area and migration of sand dunes, in this study area. Furthermore, with periodic increasing degree of climatological Drought, also percent of frequency of sands occurrence, represent a relative increase, as the result we can predict and reduce occurrence of these kind of hazard and have more readiness in environmental management by appropriate planning to condition of the zone and exact calculation.

کلمات کلیدی:

Geomorphological hazards, migration of sands hazard, Climatological Drought, sand dunes, Aran and Bidgol

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