

عنوان مقاله:

(GIS-based Monitoring and EWSs of Desertification (Case study; southeastern of Iran

محل انتشار:

مجله بین المللی تحقیقات پیشرفته زیست شناختی و زیست پزشکی، دوره 1، شماره 10 (سال: 1392)

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خلاصه مقاله:

Today one of the ecological crisis is the phenomenon of desertification that affecting the world. Desertification is more related to social and anthropogenic issues than natural causes and it becomes more important over the time. Monitoring is the systematic collection and analysis of information as a project progresses. In this study, using AHP method and GIS techniques has been to assess desertification process with IMDPA model in 5.7864 acres of Southeast region in the Iran. The results of the analysis showed that desertification benchmarks and indicators in the three periods had a nonlinear trend of desertification process in the region so that the numerical value is equal to 2.73 in the period 2001-2004 but In the period 2004-2007 the figure has decreased that is show decreasing trend of desertification in recent years and In the period 2007-2010 the numerical value is 2.55 that observed a increasing trend of desertification. Among the indicators studied, aridity and annual precipitation indicators were maximum effect with values 3.81 and 3.4 And SAR values has 1.17 that the least impact on desertification. After analysis of data we understanding that in the many years we had in warning about indicators but we located in not warning years in 2007 and 2008 with climate benchmark. We find that region is not in warning about SAR indicator in all years of study and we are in warning about precipitation indicator in all years except 2007 in region

کلمات کلیدی:

Monitoring, Desertification, EWSs, IMDPA, Iran

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