

Abstract

One of the most damaging phenomenon of wind erosion are issues of concern to the country and the world, the global, regional, national and local levels with different but important respectively. In this study, the relationship between vegetation and soil moisture parameters Bapdydh critical Drkanvn dust southwestern Iran were discussed by remote sensing data. In order to collect dust weather station data and remote sensing data were discussed. Using the software Matlab to analyze data and extract data from images there. The results showed that in this study came to the conclusion that the parameters of our review, including soil moisture and speed of the wind strong correlation with the occurrence of the phenomenon of dust and the soil moisture and the dust in a meaningful relationship with a correlation coefficient 0/883 and the wind velocity dust phenomenon there is a significant relationship with correlation coefficient 0/887.

Key words: dust, Vegetation, soil moisture, remote sensing data



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**Investigation of Vegetation and soil moisture relationship
with dust events in south west hot spots of iran using
Remot sensing data**

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