

عنوان مقاله:

Investigation of Vegetation Drought in Qazvin Province over Time

محل انتشار:

چهارمین کنگره بین المللی مهندسی کشاورزی، منابع طبیعی و محیط زیست (سال: 1401)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

Drought assessment is the first step in natural resources management in order to prevent and reduce the negative effects of future events. The purpose of this study is to investigate the spatial and temporal patterns of drought in Qazvin province. For this purpose, Vegetation Health Index (VHI) was used based on Enhanced Vegetation Index (EVI) and Land Surface Temperature (LST) obtained from MODIS product of MODIS images in 2001, 2010 and 2019. Results showed that vegetation cover had more severe drought in 2001 compared to 2010 and 2019, so that pixels containing drought were observed throughout the province. In 2010 (a decade later), only the northeastern and southwestern parts of the province had good condition in term of vegetation drought. While in 2019, the condition of vegetation was normal to medium. The results of this study provide a prognosis about the drought of Qazvin province.

Prepared maps of drought and their information are also useful for preparing and prioritizing drought risk

کلمات کلیدی:

.Remote sensing, Vegetation drought, Qazvin province, MODIS

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