

عنوان مقاله:

Evaluation of Net Primary Production Changes Trend in the Rangelands of Alborz Province

محل انتشار:

اولین همایش بین المللی و هشتمین همایش ملی مرتعداری ایران (سال: 1400)

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خلاصه مقاله:

One of the main topics of scientific research in the field of climate change impact assessment is the study of carbon cycle changes in rangelands and Net Primary Production (NPP) is an important component in this cycle in terms of carbon storage and a key indicator for assessing ecosystem function. In this study, using Mann-Kendall test and linear regression, the trend of NPP changes in the rangelands of Alborz Province from 2001 to 2020 was investigated. The results of Mann-Kendall test showed that NPP has increasing trend in north and some parts of the south of the study area. In the central parts, NPP is generally decreasing. In these areas, the population density is higher than other areas. The results of regression analysis indicated that in the northern, especially the northwest, central and southern regions have higher intensity of changes, on the other hand, the eastern regions and most of the southern regions have less intensity of changes than other regions. According to the results of this study, the human role is evident in NPP changes in Alborz province.

کلمات کلیدی:

NPP; MODIS; Mann-Kendall; Regression

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