عنوان مقاله:

Forest Fire Assessment and Estimation Using Landsat ۸ and Sentinel ۲ Satellite Images in Google Earth Engine

محل انتشار:

اولین همایش بین المللی و دومین همایش ملی مدل سازی و فناوری های جدید در مدیریت آب (سال: 1401)

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خلاصه مقاله:

Different natural hazards which are sometimes caused by climatic processes such as fires, have put human life at stake throughout the course of history. Forest fire which is said to be one of the major causes of deforestation has been recognized as a major crisis in recent years. Satellite imagery and remote sensing techniques can effectively contribute to investigation of forest and rangeland fires. In the present study, the GEE system was used to assess the severity of fire in the Arasbaran Protected Area. For this purpose, Landsat ۸ and Sentinel ۲ satellite images as well as NBR (normal burning ratio) and dNBR indices were used for this purpose. According to the results, the map of areas with high fire risk can effectively contribute to forest fire management across the region.

کلمات کلیدی:

Arasbaran region, dNBR index, Remote Sensing