

عنوان مقاله:

Evaluation of Heavy metal pollution Indices in Groundwater Resources

محل انتشار:

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

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

The aim of this study was to investigate the heavy metals concentrations in groundwater to prevent the risk on the public health and assess the heavy metal pollution index (HPI, HEI) for water supply quality within the Sirjan plain in Iran. For this purpose, groundwater samples were taken from ۲۲ exploitation wells and concentration of heavy metals including As, Cd, Fe, Al, Se, Mo, Ba and V analyzed by Inductively Coupled Plasma–Mass Spectrometry (ICP–MS) in June ۲۰۱۷. The results showed a HEI values determined for the groundwater samples collected in the Sirjan Plain region all indicated a low degree of pollution. While, the HPI values in the Sirjan Plain region indicated a medium and high degree of pollution. These results can be taken into consideration in planning for the management of water source polluting factors in order to provide safe water in the region

کلمات کلیدی:

heavy metals; pollution; groundwater; HPI; HEI

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<https://civilica.com/doc/1737006>

