عنوان مقاله:

Assessment of land sensitivity to desertification for Al Mussaib project using MEDALUS approach

محل انتشار:

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خلاصه مقاله:

This study was conducted to assess the sensitivity of the land of Al Mussaib project for desertification within the Babylon governorate in Mid Mesopotamian plain. A τω surface soil sample sites were identified and were distributed over the \τ largest areas of soil series and various soil types covered the area. Standard and adjusted Mediterranean desertification and land use (MEDALUS) approaches were applied, and the environmental sensitivity area indices (ESAI) for τ·τ\ were calculated to obtain desertification-sensitive land types. New parameters were added to the soil quality indicator (SQI) while irrigation water quality indicator (IWQI) was considered as a new one. The results indicated that the area of low soil quality was τ\.λτ%, while that of moderate quality was ۶λ.\۶%, and the vegetation quality indicator (VQI) was of the low class for the whole region. IWQI indicated that the area of moderate quality was \τ.πλ%, while the low quality was τω. ε\%. The values of ESAI ranged from \.πωε το \.ωτι διο \.ω

كلمات كليدى:

ESAI, MEDALUS, Sensitivity to Desertification. Soil Quality Indicator

لینک ثابت مقاله در پایگاه سیویلیکا:

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