

## عنوان مقاله:

ABILITY OF GEOSTATISTICS TO MAPPING SOIL SALINIZATION DISTRUBIATION IN EACH SOIL SERISE : A  
CASE STUDY ON CENTRAL IRAN SOIL

## محل انتشار:

اولین کنفرانس بین المللی ایده های نو در کشاورزی (سال: 1392)

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## خلاصه مقاله:

Increasing soil salinization rate its important environment crises in the last decades especially in dry and semi dry lands . to determination soil salinization distribution in each soil series in central iran soil we use ordinary kriging(OK) and indicator kriging(IK) technique. OK its simple method of gesostatistics technique that used to mapping the distribution of quanitative variable. Soil series are a categorical variable Most of the techniques for mapping the distribution of categorical variables demand high level of knowledge and technical support . in current study to mapping soil series we use a simple interpolation method of geostatic techniques that called indicator kriging (IK) .the indicator approach is used to describe the spatial variability of categorical soil data. To run these two technique 120 soil profile where excavated and described to identifying all soil series in whole study area. finally 9 soil series where identified . all 120soil profile where analyzed(0-30cm) to determine their EC(electrical conductivity) and creating the distribution map in study area . To creating the distribution map with each two method (OK and IK) the ilwis software were used. Finally the predicted map can show the distribution of salinization in all 9 identified soil series in study .area. So this method can be useful tools to manage land resource

## کلمات کلیدی:

geostatistics , ordinary kriging , ordinary kriging , salinization

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/340304>

