

## عنوان مقاله:

Estimation of evapotranspiration equations using time series analysis

## محل انتشار:

اولین کنفرانس ملی راه کارهای دستیابی به توسعه پایدار (کشاورزی، منابع طبیعی و محیط زیست) (سال: 1391)

تعداد صفحات اصل مقاله: 8

## نویسنده:

Mohammad Valipour - University of Tehran, Pakdasht, Tehran, Iran

## خلاصه مقاله:

In this paper, ability of Box-Jenkins models in forecasting the reference potential evapotranspiration was estimated. For this purpose meteorological data of Mehrabad synoptic station was selected. Using this data and according to eight famous evapotranspiration equations amounts of evapotranspiration were forecasted by Box-Jenkins models. Equations of reference potential evapotranspiration that used in this study include FAO Penman Monteith FPM , FAO Blaney Criddle FBC , Turc, FAO Radiation Macking FRM , Priestley Taylor PT , Hargreaves Samani HS , Thornthwaite TW , and Corrected Jensen Haise CJH . By comparing RMSE of the models, it was determined that Box-Jenkins models are appropriate approaches to evapotranspiration forecasting

## کلمات کلیدی:

Box-Jenkins models, evapotranspiration, meteorological data

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/196683>

