عنوان مقاله:

Investigation of Annual Rainfall Trends in Iran

محل انتشار:

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خلاصه مقاله:

This paper presents an analysis of annual precipitation trends in Iran. Mean annual rainfalls were collected from ۳۰ synoptic stations with a reasonable geographic distribu-tion and with data equal to or less than ۵۰ years. Trend analysis was investigated using a "regression line slope" method (annual rainfall as a dependent variable and year as an independent variable). The results showed that for the entire period, and at a ۹۵% level of significance, seven stations showed a negative trend, while a positive trend was found at six stations. The same data over the period of last ۴۰ years demonstrated that four and ۸ stations had negative and positive trends, respectively. Decreasing the record length, up to the last ۳۰ years, resulted in fewer stations with any significant trend. The results identi-fied that, in any case, the trend did not depend on the mean annual rainfall but rather re-cord length could have some effects on it.

کلمات کلیدی:

IRAN, Annual rainfall, Record length, Regression line slope, Trend analysis

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