عنوان مقاله:

Annual air temperature change characteristics in the Hamedan region of Iran

محل انتشار:

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نویسندگان:

Z. Maryanaji

H. Merrikhpour

H. Abbasi

M. Darvishi

خلاصه مقاله:

In this research air temperature characteristics of five meteorological stations located in theHamedan region of Iran were analyzed. The main objective was to identify and assess thepossible climate change of the region during the period 1980 to 2010. To this end, timeseries of the mean annual temperature were investigated using Mann-Kendall andNormalized Residual Mass Curve methods. The climatological stations were Hamedan,Ekbatan Dam, Dargazin, Nojeh and Varayaneh. The results showed that the Mann-Kendalland Normalized Residual Mass Curve tests were similar on detection of the trends. Themean annual temperatures of stations with the exception of Varayaneh and Darghazinshowed significant rapid increasing trends. This study illustrates the identical results of thetwo different tests on climate change identification and more importantly a significantwarming at the majority of stations in the region. .These results provide useful informationfor long term planning in water management of the region

کلمات کلیدی:

Annual air temperature, Mann-Kendall, Normalized Residual Mass Curve