

## عنوان مقاله:

The Significant Kurdistan Climate Change

## محل انتشار:

اولین کارگاه مشترک ایران و کره در مدل سازی اقلیم (سال: 1384)

تعداد صفحات اصل مقاله: 10

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## خلاصه مقاله:

The Kurdistan province in Iran is situated on the west of Iran at the mid latitudes. The behavior of weather in this region is approximately similar to the subtropical dry regions weather. Its winters are cold and its summers are relatively warm and dry and its rainy season is from OCT. to MAY. But during the recent years a significant change of the weather has been observed. Especially the air temperature and precipitation variation based on statistic values and types have been seen. Also the beginning and the end of season seem to be an anomaly. In my article I attempt first to explain the general conditions of synoptic situation, particularly by investigating the synoptic pressure patterns that affect this region. Then by selecting two weather stations in Sanandaj (40747) and Saghez (40727), the series of temperature and precipitation and of pressure for 45- year period were analyzed quantitatively, and this investigation shows that we have had anomaly in Air temperature and precipitation in the last 10 years- and also the beginning and the end of seasons have altered. Especially in winter, the temperature is above the year's average temperature and the type of precipitation has mostly changed from snow to rain as well as sharply in the south of region (Sanandaj) and slowly in the north (Saghez). In the last section of this Article, I try to relate these weather changes to the global climate change by focusing on the weather changes of the Middle East

## کلمات کلیدی:

Temperature, Precipitation, Season, Iran, Kurdistan, Sanandaj, Saghez, Climate Change, Snow

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