



On Relationship between MEI and Precipitation of Iran

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El Nino Southern Oscillation (ENSO) is an important teleconnection pattern of Southern Hemisphere. During warm and cold phases of ENSO a significant difference between temperature and precipitation of various parts of the globe have been reported. However the response of local climates to ENSO is not uniform and happens with complex lag times. In this paper all precipitation records of Iran during the last half century has been analyzed. Then a linear regression model has been fitted to precipitation time series and Multivariate ENSO Index (MEI). The analysis showed that there is generally a positive relationship between ENSO and precipitation of Iran during October, November and June especially in eastern parts of the country.