



## **Investigation of Monthly Rainfall-Runoff model(Case study: Ziyarat Basin/ Iran)**

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### **Abstract**

Today knowledge of runoff amount and using of rainfall- runoff model are important in basins that have not data for hydrology science. Use this modeling for time and place scale can effect on hydrologic analysis. In research monthly rainfall-runoff model in Ziyarat basin( South Gorgan city/ Iran country) has investigated. Too was used data of monthly rainfall (mm) and average discharge (m<sup>3</sup>/sec) (Ziyarat station) for 1983-2007 years. Results shown that regression for May , August and Winter months had the best R index and September and October months had lowest R Index than other months.

Key word: Rainfall-Runoff model, Regression model, Ziyarat,Gorgan, Iran