**سیویلیکا - ناشر تخصصی مقالات کنفرانس ها و ژورنال ها**
گواهی ثبت مقاله در سیویلیکا
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## عنوان مقاله:

GROUNDWATER MANAGEMENT USING SIMULATION-OPTIMIZATION APPROACH

## محل انتشار:

دومین کنفرانس بین المللی آب، محیط زیست و توسعه پایدار در مناطق خشک و نیمه خشک (سال: 1388)

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## نویسندگان:

Somayeh Jannatrostami - *Msc. student, Department of water engineering, University of Tehran*

Majid Kholghi - *Associate Professor, Department of water engineering, University of Tehran*

Kuorush Mohammadi - *Associate Professor, Department of water engineering, University of Tarbiat Modarres*

## خلاصه مقاله:

A rapid growth of population and urban development in Tabriz city has been caused a great problem in groundwater system like groundwater table increasing. In this research a simulation-optimization approach has been used to manage the aquifer withdrawal. In this regard a numerical model has been linked to an optimization programming based on evolutionary algorithm. Firstly the critical area of Tabriz city has been divided to four sub-systems and then for each of them an optimal allocation has been designed. The results show that in three sub-systems with this policy, the water table has been decreased step by step but in other one due to a considerable groundwater recharge, this optimal solution can not solve the groundwater level increasing.

## کلمات کلیدی:

groundwater, simulation-groundwater, evolutionary algorithm

## لینک ثابت مقاله در پایگاه سیویلیکا:

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