

## عنوان مقاله:

Investigating the polluting factors of urban water supply with nitrate: The case study of Tehran water supply system

## محل انتشار:

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## خلاصه مقاله:

Nitrate (NO<sub>3</sub><sup>-</sup>) is considered as one of many pollutants in groundwater resources. Various experiments and methods have been developed to measure and to control this pollutant in saturated and unsaturated areas. The importance of measuring the nitrate increases when the source of municipal drinking water is the same aquifers or in contact with these aquifers. Drinking water pipes leak 40 percent of drinking water for urban use, according to researches and measurements. Now, if an aquifer which is contaminated with nitrate, or an unsaturated medium carrying nitrate pollutants cause this contaminated water to enter into the urban water supply system, increasing the concentration of this ion by more than 50 mg/l may endanger public health. In this research, sources of nitrate in the porous environment and its effects on drinking water of the region have been investigated and the associated concentration .in drinking water in 12 districts of Tehran has been presented and evaluated

## کلمات کلیدی:

.Nitrate, Fertilizer, Groundwater Contamination, Purification, Spected and evahated

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/998827>

