

## عنوان مقاله:

Effects of wastewater collection and treatment on groundwater pollution in coastal areas

## محل انتشار:

کنگره ملی شیمی و نانو شیمی از پژوهش تا توسعه ملی (سال: 1396)

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## خلاصه مقاله:

Groundwater is one of the most important natural resources. Pollution of underground water tables can be caused by factors such as overflow of raw sewage, regional application of sludge and untreated or semi-purified domestic, industrial or commercial sewage, or water from agricultural irrigation, which due to the increase in population in the century Now and as a result of the increase in the amount of wastewater produced due to the increase in water consumption, the risk of contamination of underground water resources will be more than ever. Keeping in mind that the treatment of polluted underground water is very expensive and in some cases impractical, one of the best and most appropriate methods of pollution reduction is the collection and treatment of wastewater. Despite a series of disadvantages and problems, this system is one of the most complete methods for collecting wastewater. Especially in the coastal areas, due to the high level of underground water, the risk of pollution and the occurrence of problems caused by it in the region is very important. In this article, while considering the necessity of constructing a sewage collection system in coastal areas, has been tried to examine the issues that may cause the pollution of underground water resources in this way and to address the ways of prevention or reduction.

## کلمات کلیدی:

underground water, water, wastewater, environment

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