



جامعة الموصل

كلية التربية

تحليل الخصائص النوعية للمياه الجوفية في قضاء
زاخو شمال العراق باستخدام نظم المعلومات الجغرافية
(GIS)

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رسالة دبلوم عالي

الجغرافية

بإشراف

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Abstract :

The study of groundwater (wells and springs) and chemical properties of knowledge through analysis results and their metals, and studies that received great attention because of their effect on the level of human consumption and agricultural and industrial side so I was studying all the wells and springs to Zakho (study area) and identify the characteristics of the water and what factors direct and indirect to amount and preparing these eyes and wells. So study the natural parameters affecting these eyes and wells with statement climatic factors such as precipitation and water heat this water grades. Add a statement, environmental and chemical characteristics using GIS (arc gis9.3) for the purpose of determining the best areas to dig wells and springs to fill the shortfall of these waters as a result of increasing human consumption due to increased population numbers for successive periods in addition to increased consumption of agricultural and industrial side.

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**Analysis of Quality Characteristics of
Groundwater at Zakho Distrit In north
of Iraq
Using Geographic Information Systems GIS**

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