



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكرو فيلم

# بسم الله الرحمن الرحيم



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التوثيق الإلكتروني والميكروفيلم



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# جامعة عين شمس التوثيق الإلكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغييرات



## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



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كلية العلوم – قسم الكيمياء



**Separation and pre-concentration of some harmful ions from  
wastewater using some natural clay minerals**

Thesis Submitted by

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**(M. Sc. Chemistry 2013)**

**For the requirement of Ph.D. Degree of Science in Chemistry**

**(Inorganic Chemistry)**

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**2022**



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*M. Sobeih*

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

لسببناك لا علم لنا  
إلا ما علمتنا إنك أنت  
العليم العظيم

صدق الله العظيم

سورة البقرة ( الآية ٣٢ )

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