

# بسم الله الرحمن الرحيم





# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



# جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

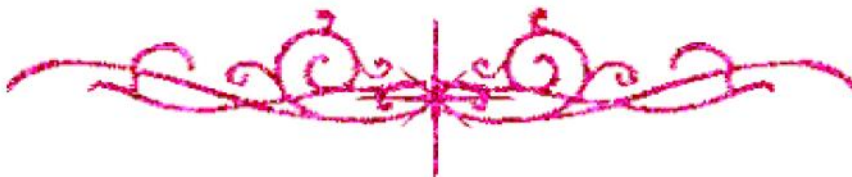
## قسم

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



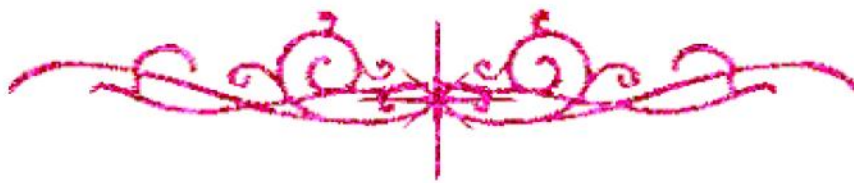
## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



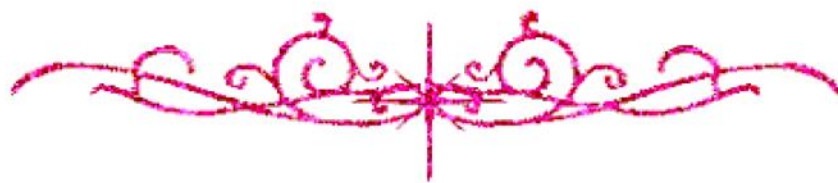


# بعض الوثائق الأصلية تالفة





بالرسالة صفحات  
لم ترد بالأصل





# **Enhancing the therapeutic chemosensitivity of hepatocellular carcinoma cells using alpha-solanine**

A Thesis submitted for the degree of

Ph.D. of Science in Biochemistry

By

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**2019**



بِسْمِ اللَّهِ الرَّحْمَنِ  
الرَّحِيمِ  
وَقُلْ رَبِّ زِدْنِي عِلْمًا  
صدق الله العظيم





## ***Ph.D. Thesis***

**Name:** Shaimaa Abd Elsadek Hashim Mohammad Gouhar

**Title:** Enhancing the therapeutic chemosensitivity of hepatocellular carcinoma cells using alpha-solanine

**Degree:** Doctor of philosophy in Science (Biochemistry)

**Submitted to:** Biochemistry Department, Faculty of Science, Ain Shams University

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## ***Declaration***

I declare that this thesis represents my own work which has been done after registration for the degree of PhD at Ain Shams University, and has not been previously included in a thesis or submitted to this or any other institution for a degree, diploma or other qualifications.

***Shaimaa Abd Elsadek Hashim Mohammad Gouhar***

