



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم

# بسم الله الرحمن الرحيم



**HANAA ALY**



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم



# شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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# جامعة عين شمس

## التوثيق الإلكتروني والميكروفيلم

### قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



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كلية العلوم  
قسم الكيمياء

***Zwitterionic Gemini Surfactants and Their Applications in  
Petroleum Field***

A Thesis submitted by

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

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***(2021)***



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## ***Zwitterionic Gemini Surfactants and Their Applications in Petroleum Field***

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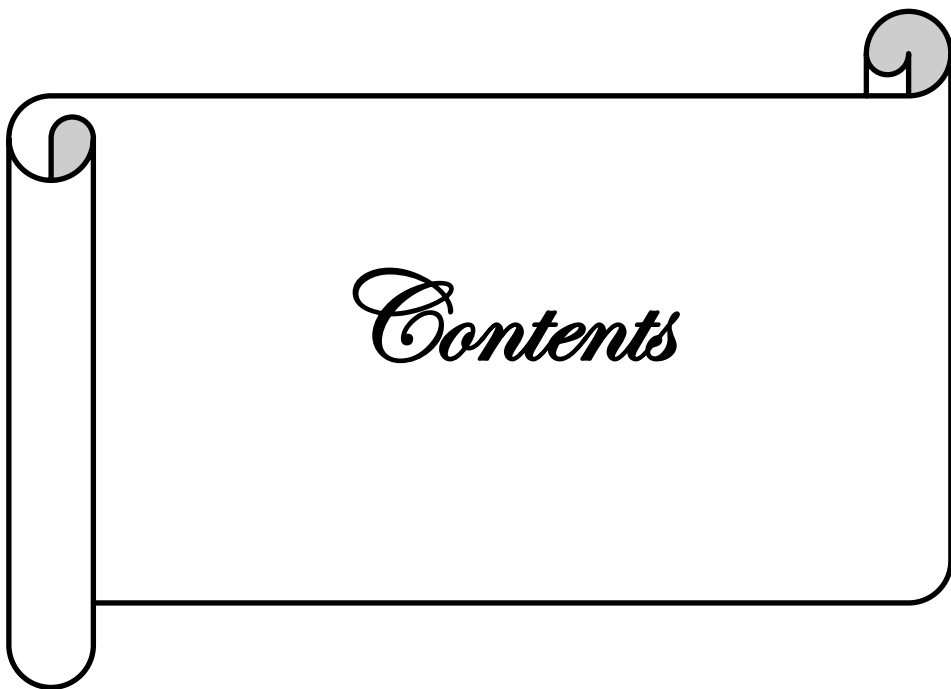
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