

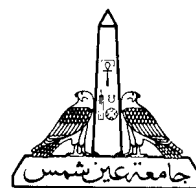


# **“Polymeric Sugar Based Surfactants for Different Petroleum Applications”**

**A Thesis Submitted by  
Ahmed Zaher Mohamed Mahaney  
Master of Science (Chemistry-2008)**

**A Dissertation Submitted for the Degree of Doctor of  
Philosophy of Science in Chemistry**

**To  
Department of Chemistry, Faculty of Science,  
Ain Shams University  
Cairo, Egypt  
(2014)**



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**Ahmed Zaher Mohamed Mahaney**

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Ph.D. Thesis

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# الملخص العربي

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