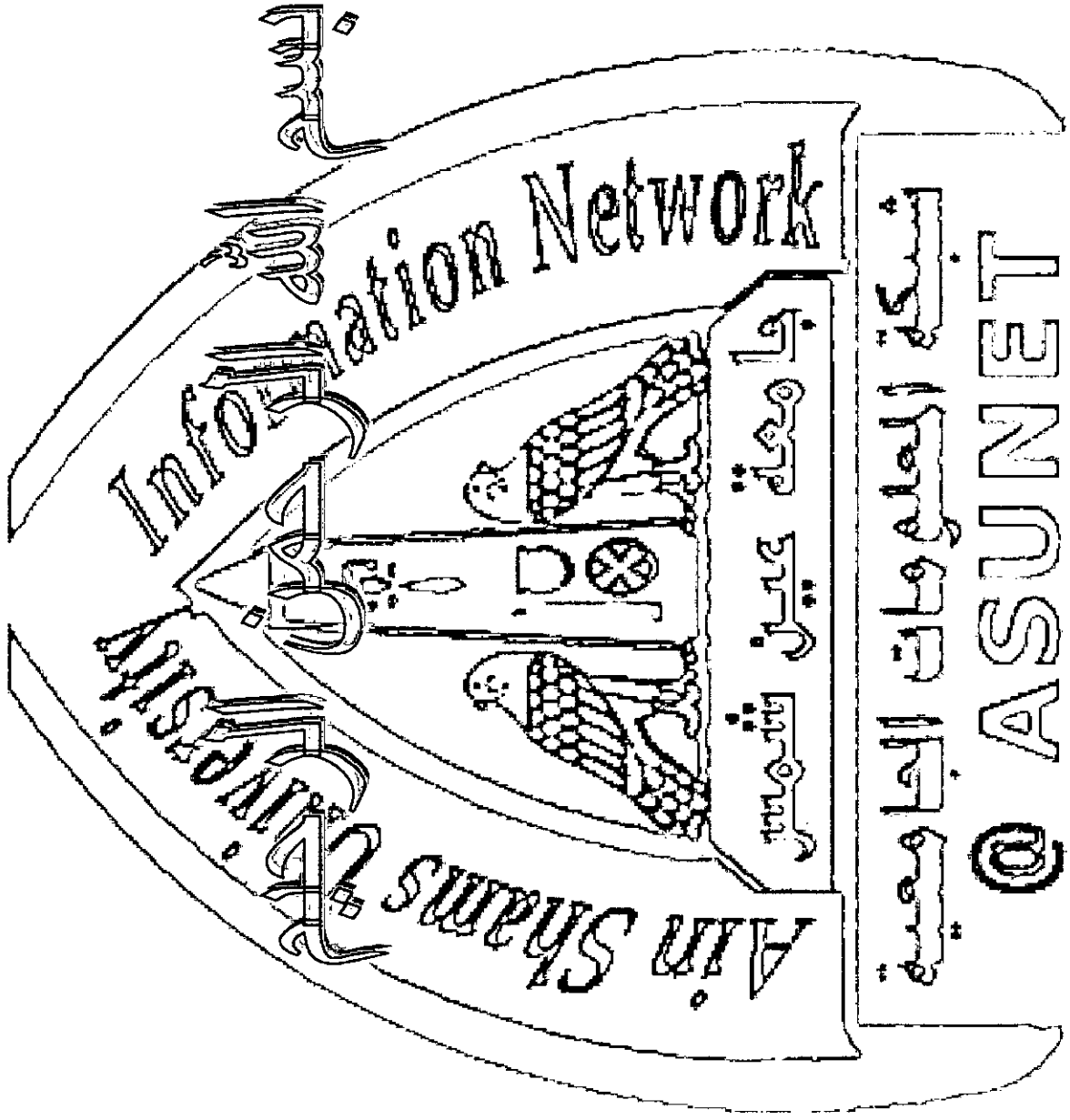




شبكة المعلومات الجامعية





شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
على هذه الأفلام قد أعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

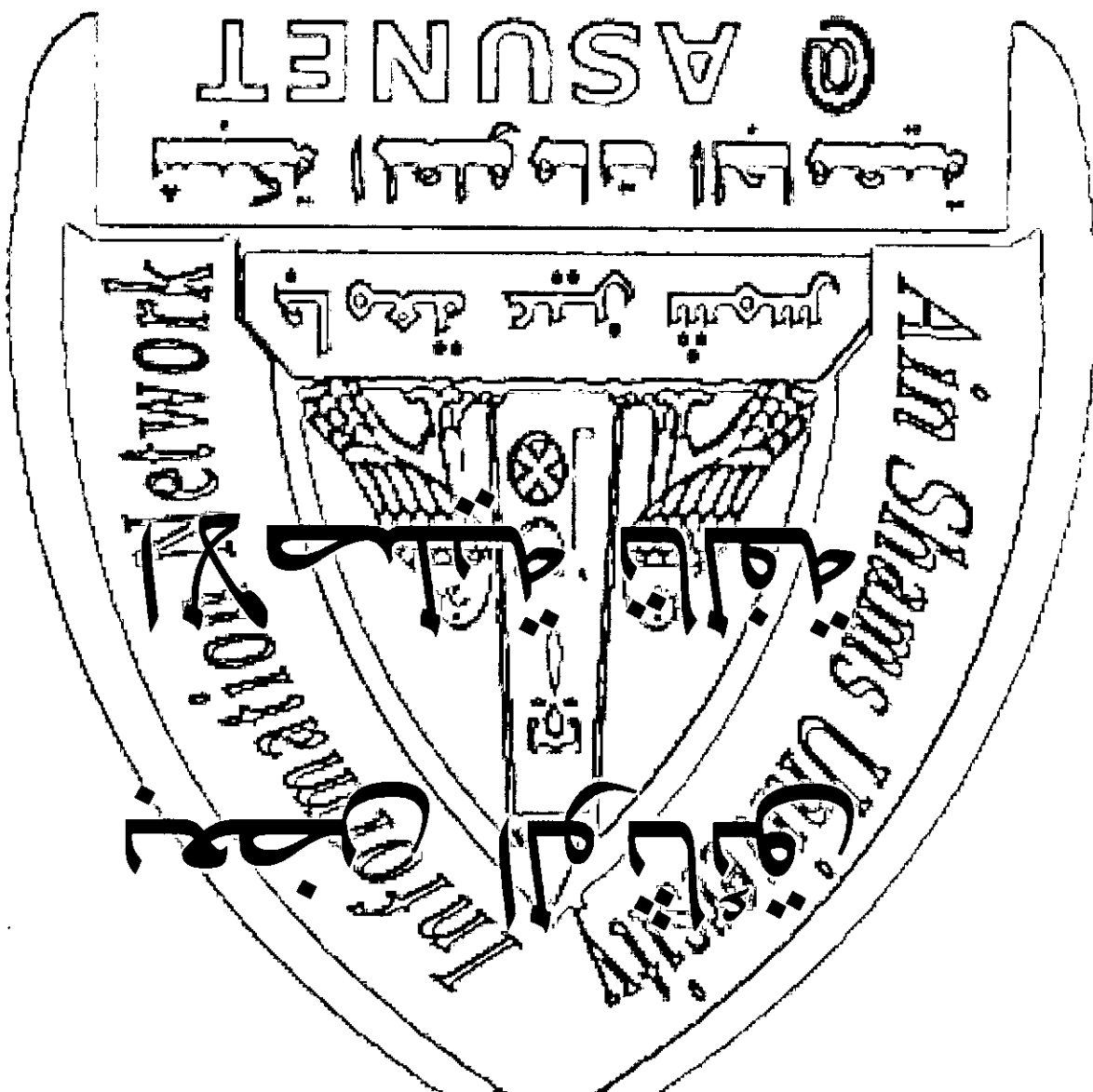
في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of  
15-25- c and relative humidity 20-40%



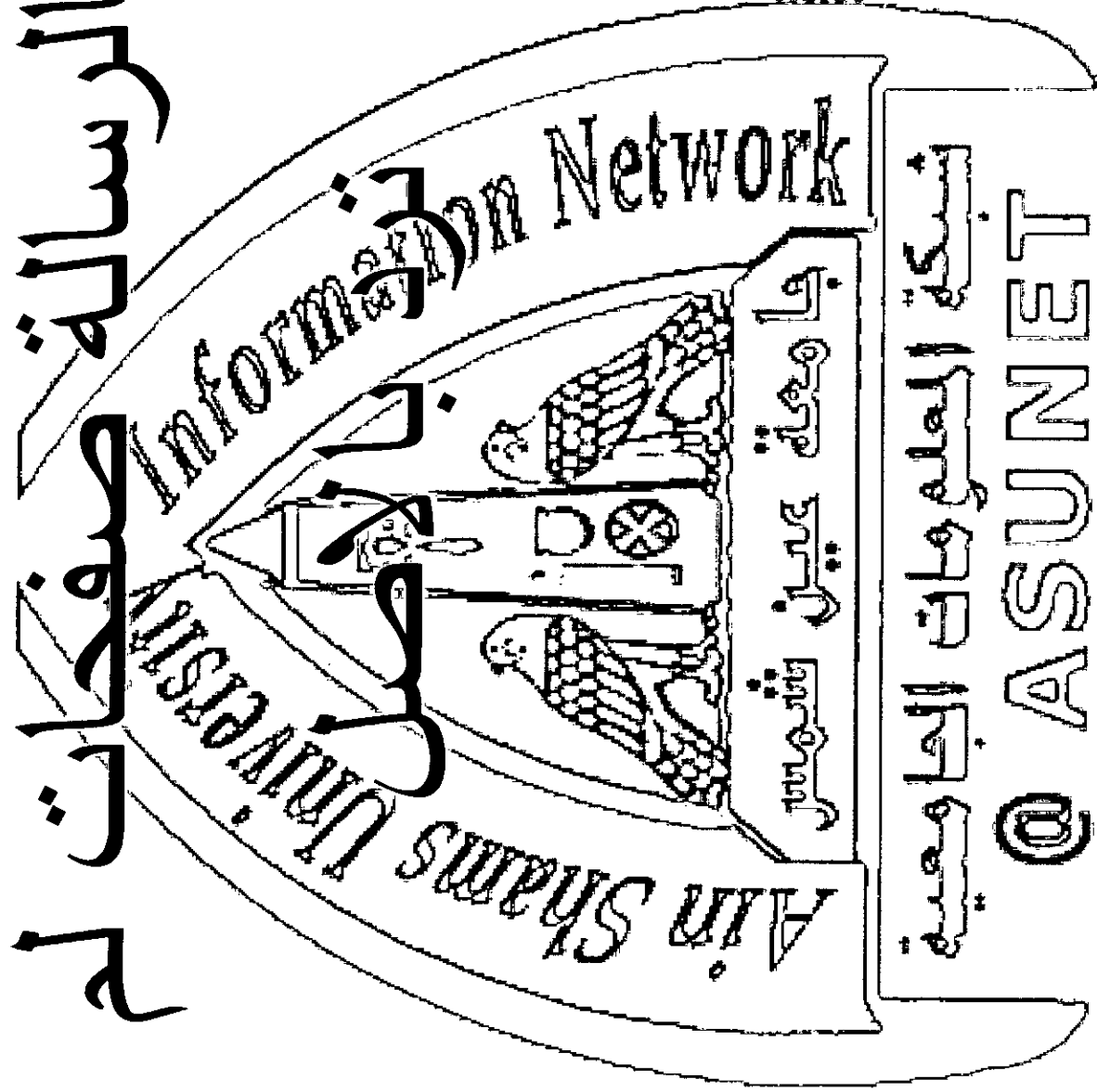
# شبكة المعلومات الجامعية

## التوثيق الالكتروني والميكرو فيلم





# بالرسالة صفحات





**Cyclicity Patterns and Petroleum  
Reservoir Characterization of the  
Miocene Sequences, Offshore,  
Southern Gulf of Suez,  
EGYPT**

**A THESIS SUBMITTED TO THE FACULTY  
OF SCIENCE, CAIRO UNIVERISTY, GIZA  
EGYPT**

**IN PARTIAL FULLEFILMENT OF  
THE REQUIREMENT FOR THE DEGREE  
OF MASTER OF SCEINCE  
IN  
GEOLOGY**

**BY  
AHMED ABDEL SATTAR MAYHOUB  
B.SC. CAIRO UNIVERISTY**

**2009**

22 50



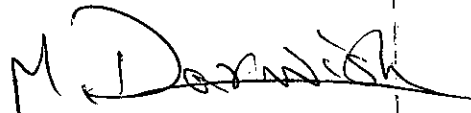
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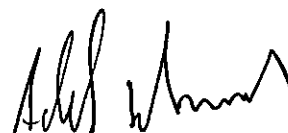
Cyclicality Patterns and Petroleum Reservoir  
Characterization of the Miocene Sequences, Offshore,  
Southern Gulf of Suez,  
EGYPT

BY  
AHMED ABDEL SATTAR MAYHOUB  
B.Sc. CAIRO UNIVERISTY

Supervision :

Prof. Dr. Mohamed Darwish  
Mr. Medhat Hassan Aly.

  
M. Hassan

  
Head of Geology Department  
Faculty of Science, Cairo University  
Prof. Dr. Adel Abdel Aziz Sehim





### Note

We would like to notify that **Mr. Ahmed Abdel Sattar Mayhoub** have finished writing and presenting his M.Sc. thesis under the title; "**Cyclicity Patterns and Petroleum Reservoir Characterization of the Miocene Sequences, Offshore, Southern Gulf of Suez, Egypt**"

on 2009. His work has been supervised by Prof. Dr. Mohamed Darwish and Mr Medhat Hassan Aly.

The thesis is pending approval, until it is reviewed by an international board which has not yet been decided by the Faculty committee.

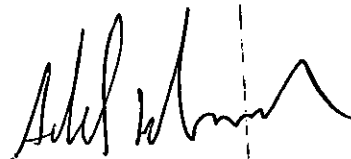
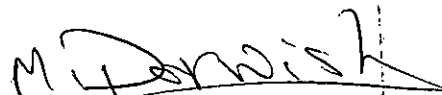
Beside the work carried out in this thesis, the candidate *Ahmed Abdel Sattar Mayhoub* have attended and passed successfully the post graduate studies for the partial fulfillment of the M.Sc., degree in the following topics;

1. Basic petroleum geology.
2. Geochemical prospecting for hydrocarbons.
3. Well logging.
4. Sedimentary basins and hydrocarbon deposits.
5. Advanced studies in reservoir geology.
6. Hydrogeochemistry.
7. Stratigraphic and tectonic control of hydrocarbons and subsurface fluids.
8. Basin analysis.
9. Statistics.
10. German language.

Supervision :

Prof. Dr. Mohamed Darwish

Mr. Medhat Hassan Aly.



Head of Geology Department  
Faculty of Science, Cairo University  
Prof. Dr. Adel Abdel Aziz Sehim



### ACKNOWLEDGMENT

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*I wish to express my sincere appreciation to Pro. Dr. Mohamed Darwish Prof. of petroleum geology and sedimentology, faculty of science Cairo university for his supervision and guidance on the M.Sc. research and for assistance and encouragement on various phases of this study. My words of gratitude are extended to Mr. Medhat Hassan Aly, Exploration Manager, Geisum Oil Company (Named now PetroGulf Oil Company), for approval and supporting by the material on which the present work had been conducted.*

*My special gratitude and thanks goes to EREX and Mr. Nazih Tewfik for supporting and helping for preparing and finishing of this study.*

*Finally yet importantly, the support and patience of my entire family is gratefully appreciated.*

*Ahmed Abdel sattar Mayhoub*



# ABSTRACT

