



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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 تغييرات



## يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من 15-25 مئوية ورطوبة نسبية من 20-40%

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





شبكة المعلومات الجامعية  
التوثيق الالكتروني والميكروفيلم

**MINERALOGICAL AND GEOCHEMICAL STUDY  
OF EVAPORITE SEDIMENTS FROM LAKE  
QUAROUN WATER UNDER VARIOUS  
CONDITIONS OF SALINE WATER  
CONCENTRATIONS (FAIYOUM – EGYPT)**

**A THESIS**

**Submitted in partial fulfillment  
for the requirements of the Master  
Degree of Science in Geology**

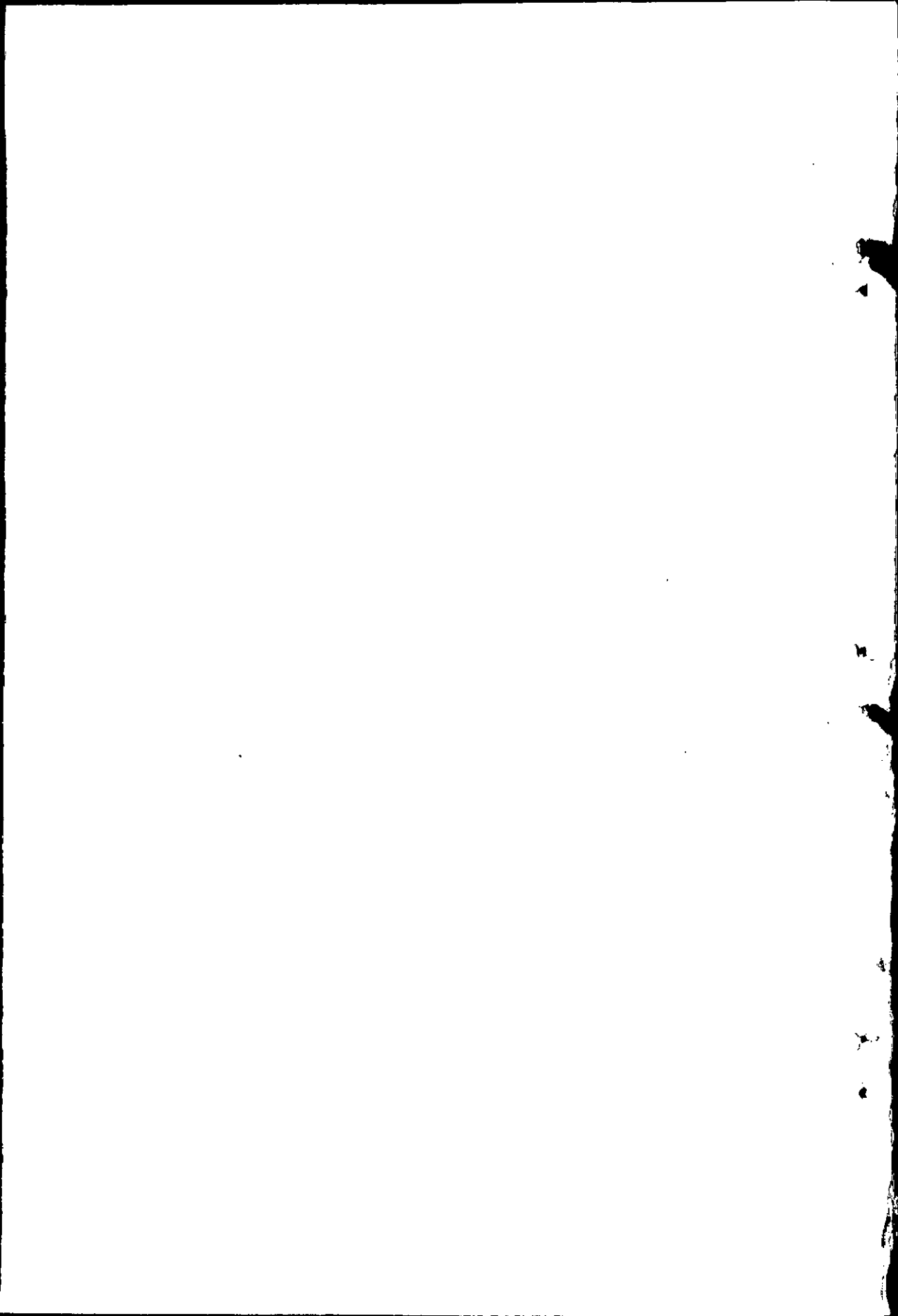
**BY**

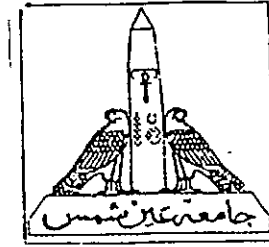
**RAGAB MOHAMED MOHAMED EL- SHEIKH  
(B.Sc., in geology)**

**To  
Geology Department  
Faculty of Science  
Ain Shams University  
2004**









## Approval Sheet

**Name : Ragab Mohammed Mohammed El sheikh**

**Title : Mineralogical and Geochemical studies on Evaporites  
Sediments from Lake Quaroun Under Various Conditions  
of Saline Water Concentrations ( Faiyoum – Egypt)**

**Submitted in partial fulfillment for  
The requirements of the Master  
Degree of Science in  
Geology**

**Supervised By :**

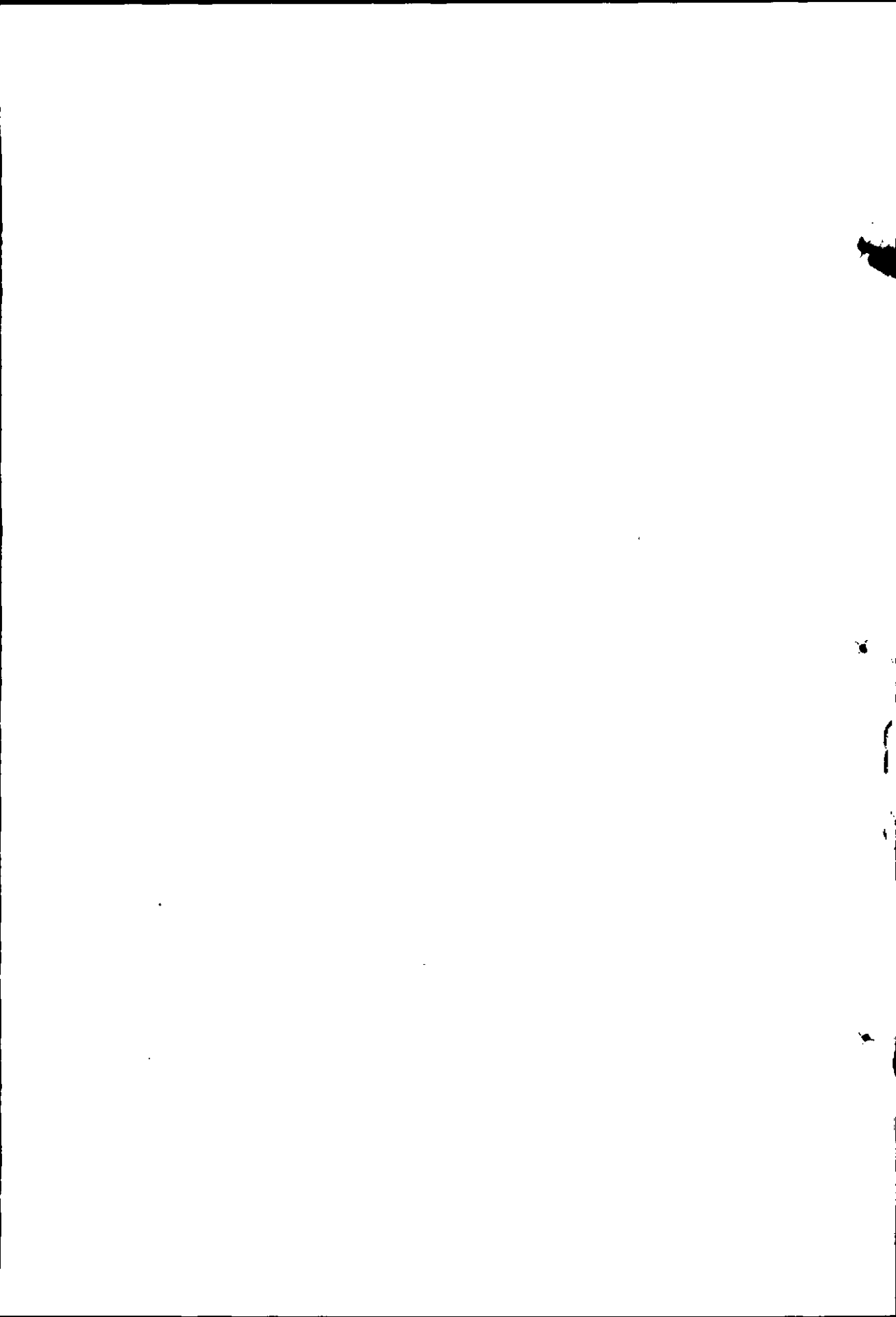
**1- Dr. Yehia Abd El Hamid Ali**

Assoc. prof. of geology, Geology department, Faculty of  
Science , Ain Shams University.

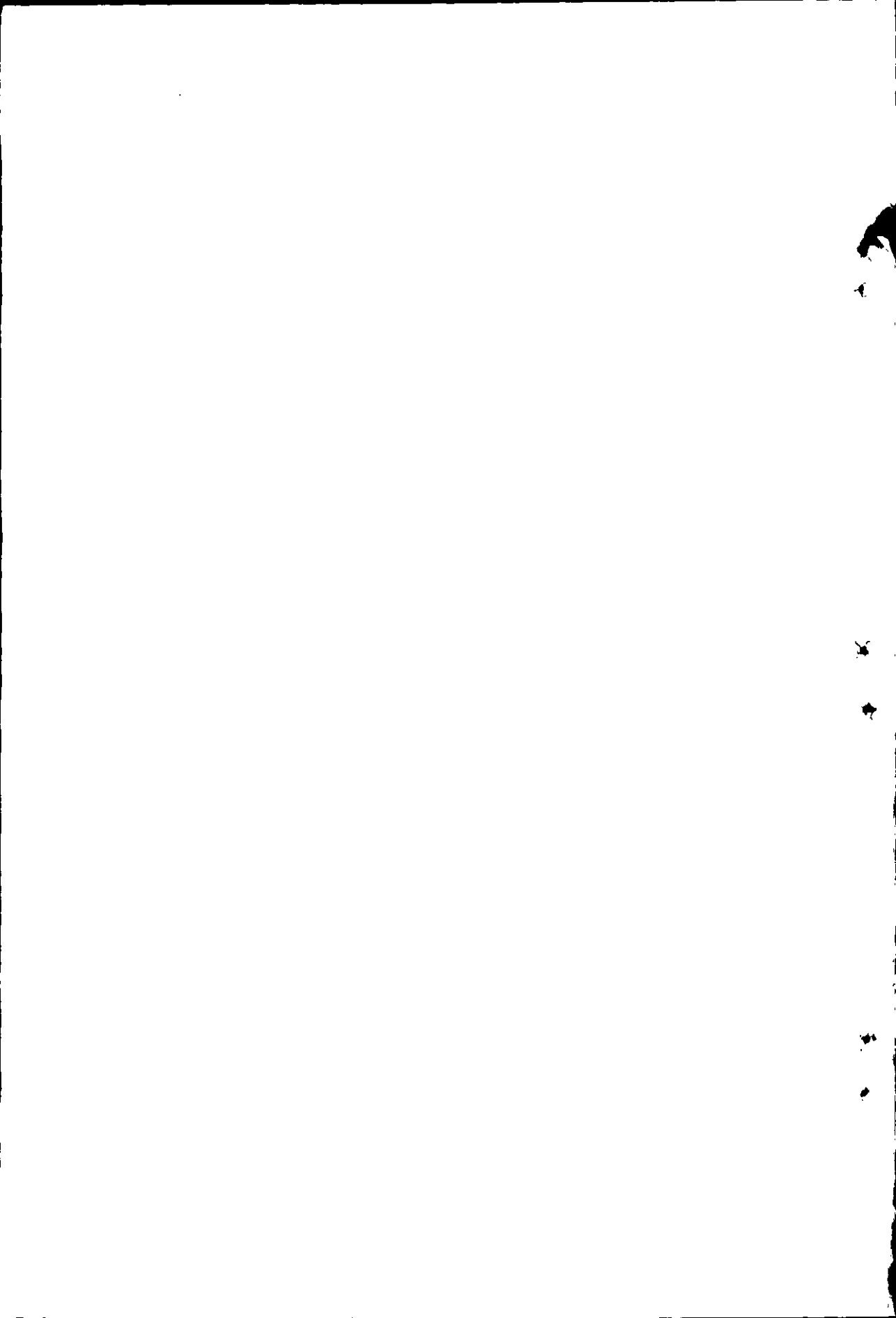
**2- Dr. Ahamed Atif Dardir**

Managing Director of Salts and Minerals Company  
(EMISAL).





To my Father's spirit, my mother, my wife and my sons



## NOTE

The present thesis is submitted to the Geology Department, Faculty of Science, Ain Shams University in partial fulfillment of the requirements for the degree of Master of Science in Geology.

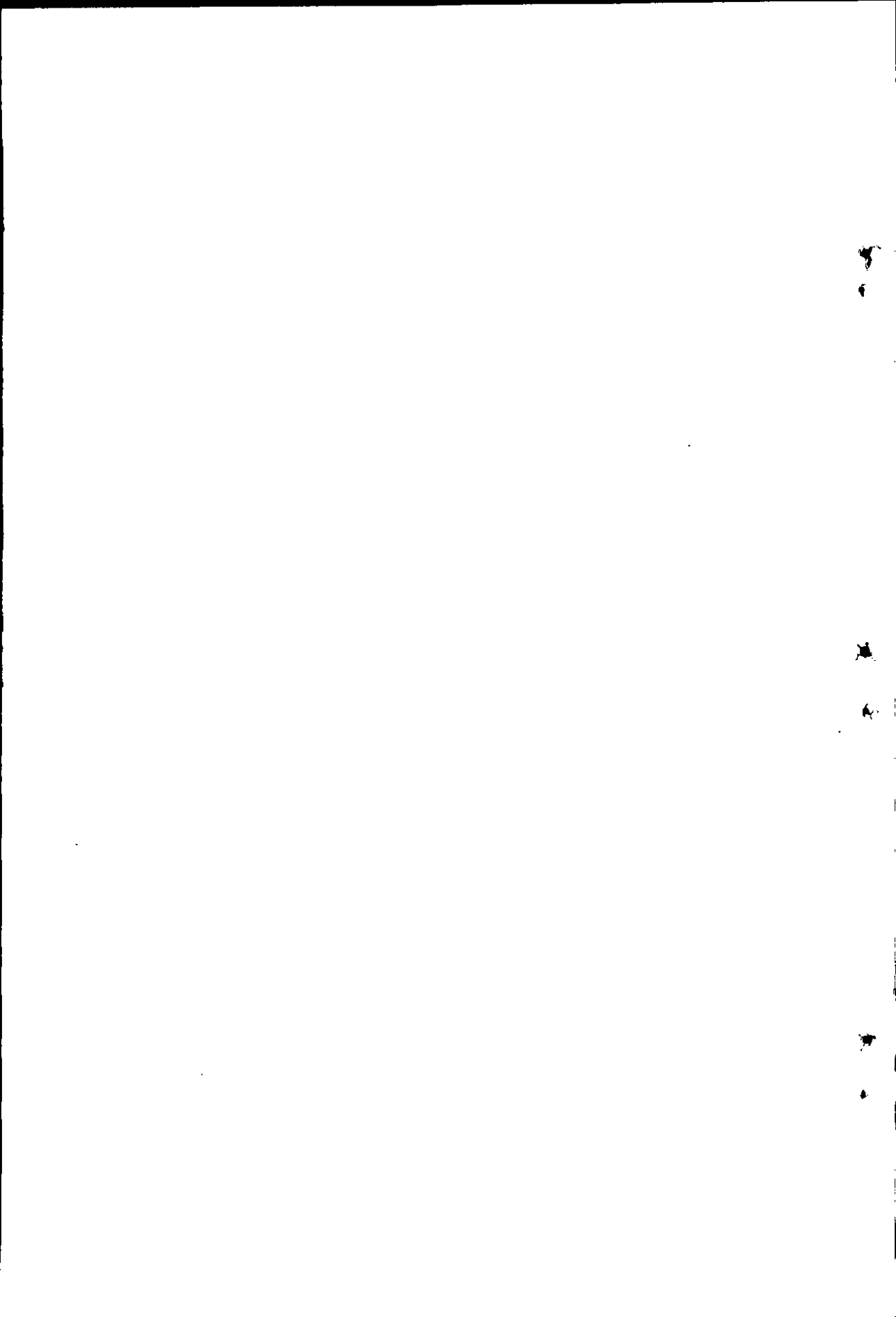
Beside the research work materialized in this thesis, the candidate Ragab Mohammed Mohammed Elsheikh has attended ten post-graduate courses for one year in the following topics:

- 1- Mineralogy
- 2- Geochemistry
- 3- Igneous petrology
- 4- Metamorphic petrology
- 5- Sedimentary petrology
- 6- Sedimentation
- 7- Field geology and mapping
- 8- Geostatistic and introduction of basic programming
- 9- Laboratory technique
- 10- Crystallography

He has successfully passed the final exam. In the above mentioned courses, besides an English language course.



**Prof. Dr. Mohamed El Bokhary**  
Head of Geology Department  
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