

سامية محمد مصطفى



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



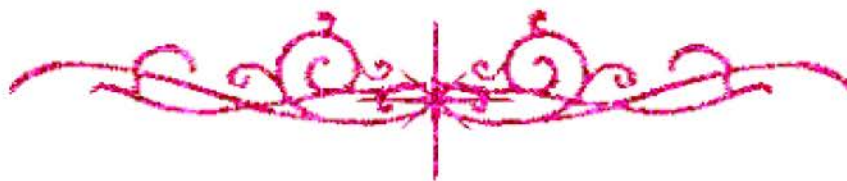
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شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



سامية محمد مصطفى



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

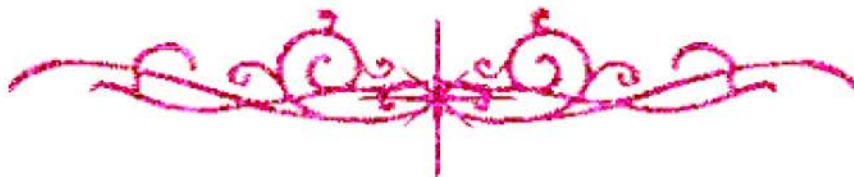
قسم

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



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



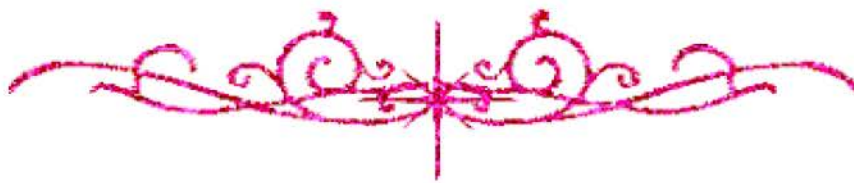
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بعض الوثائق الأصلية تالفة



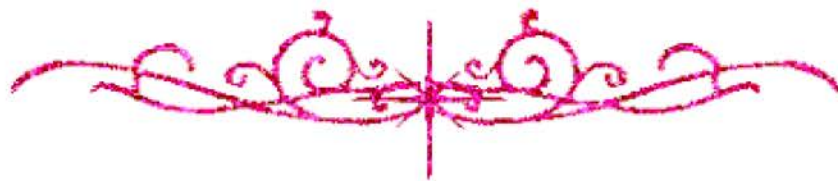
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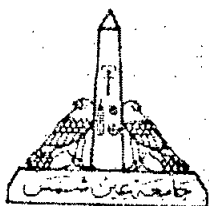


شبكة المعلومات الجامعية



بالرسالة صفحات لم ترد بالأصل





AIN SHAMS UNIVERSITY
FACULTY OF SCIENCE
CHEMISTRY DEPARTMENT

**STUDIES ON THE PREPARATION OF
SUPERPHOSPHATE
FERTILIZERS FROM BLENDS OF EGYPTIAN
PHOSPHO-CONCENTRATES**

Thesis

**Submitted For Partial Fulfillment for the Degree of
Master of Science
(Inorganic Chemistry)**

By

Khalid Mahmoud Mahmoud Elhadi

Supervised by

**Prof. Dr. Saad Abdel-Wahaab Mohamed
Prof. of Physical Chemistry Ain Shams
University.**

**Prof. Dr. Adel Kamal Ismail
Deputy Chairman of CMRDI**

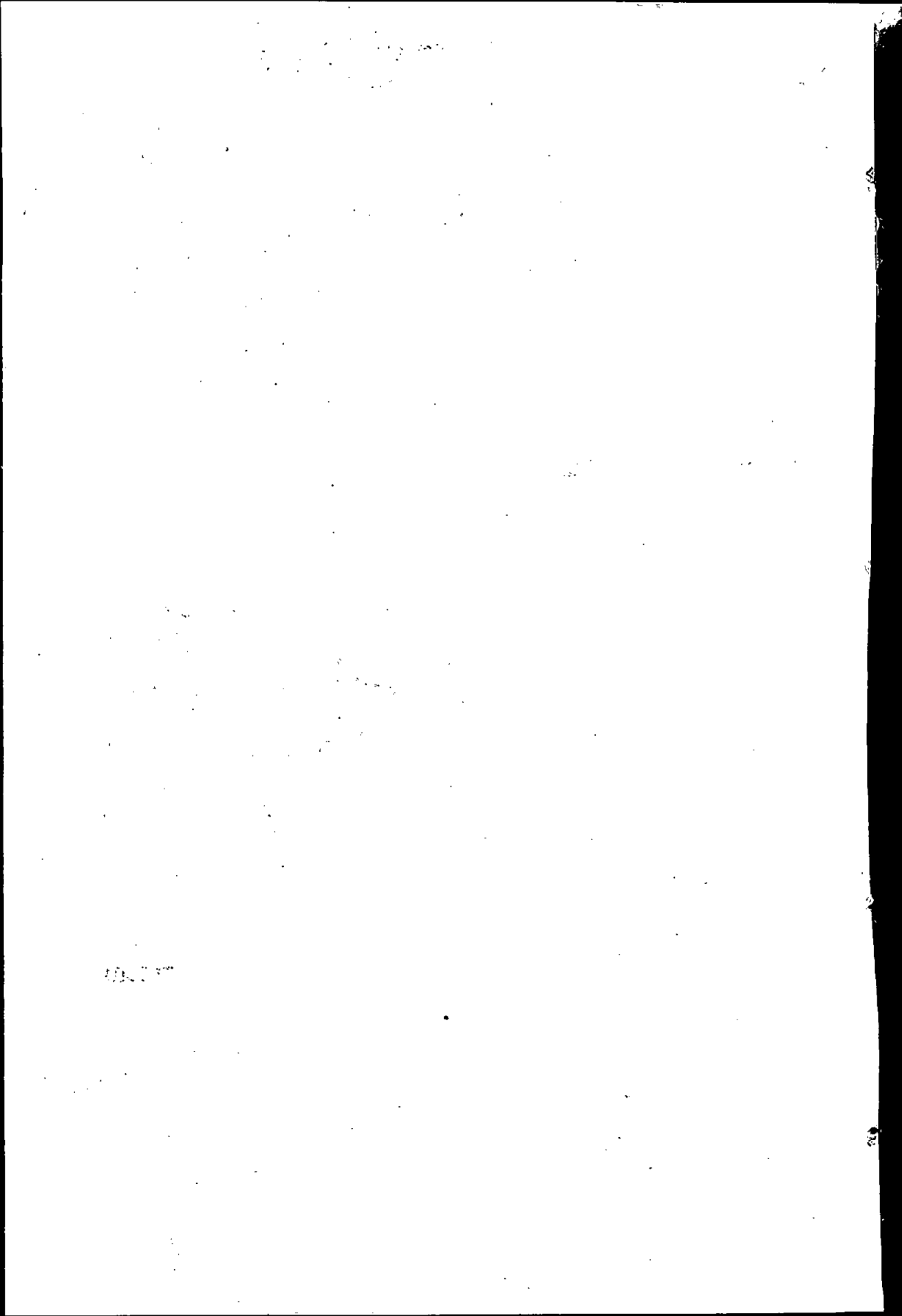
**Prof. Dr. El-Sayd Ali Abdel-Aal
Professor in CMRDI**

Cairo

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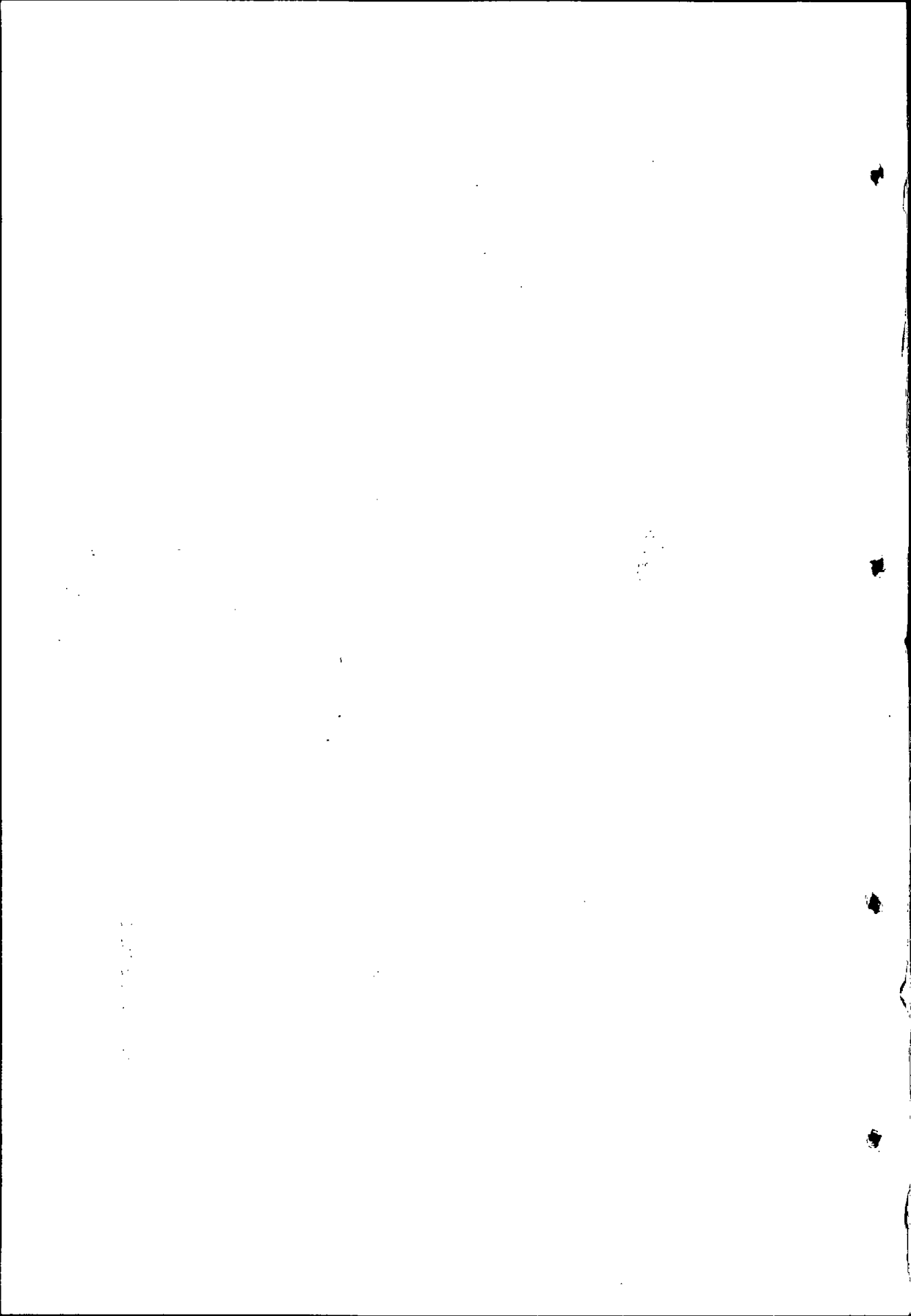
**STUDIES ON THE PREPARATION OF
SUPERPHOSPHATE
FERTILIZERS FROM BLENDS OF EGYPTIAN
PHOSPHO-CONCENTRATES**

Thesis advisors

Prof. Dr. Saad Abdel-Wahaab Mohamed *S.M. Abdelwahaab* Approved
Prof. Dr. Adel Kamal Ismail *Adel Kamal* Approved
Prof. Dr. El-Sayed Ali Abdel-Aal. *El-Sayed Ali* Approved

Head of Chemistry Department

Prof. Dr. M.A. El-Kasaby

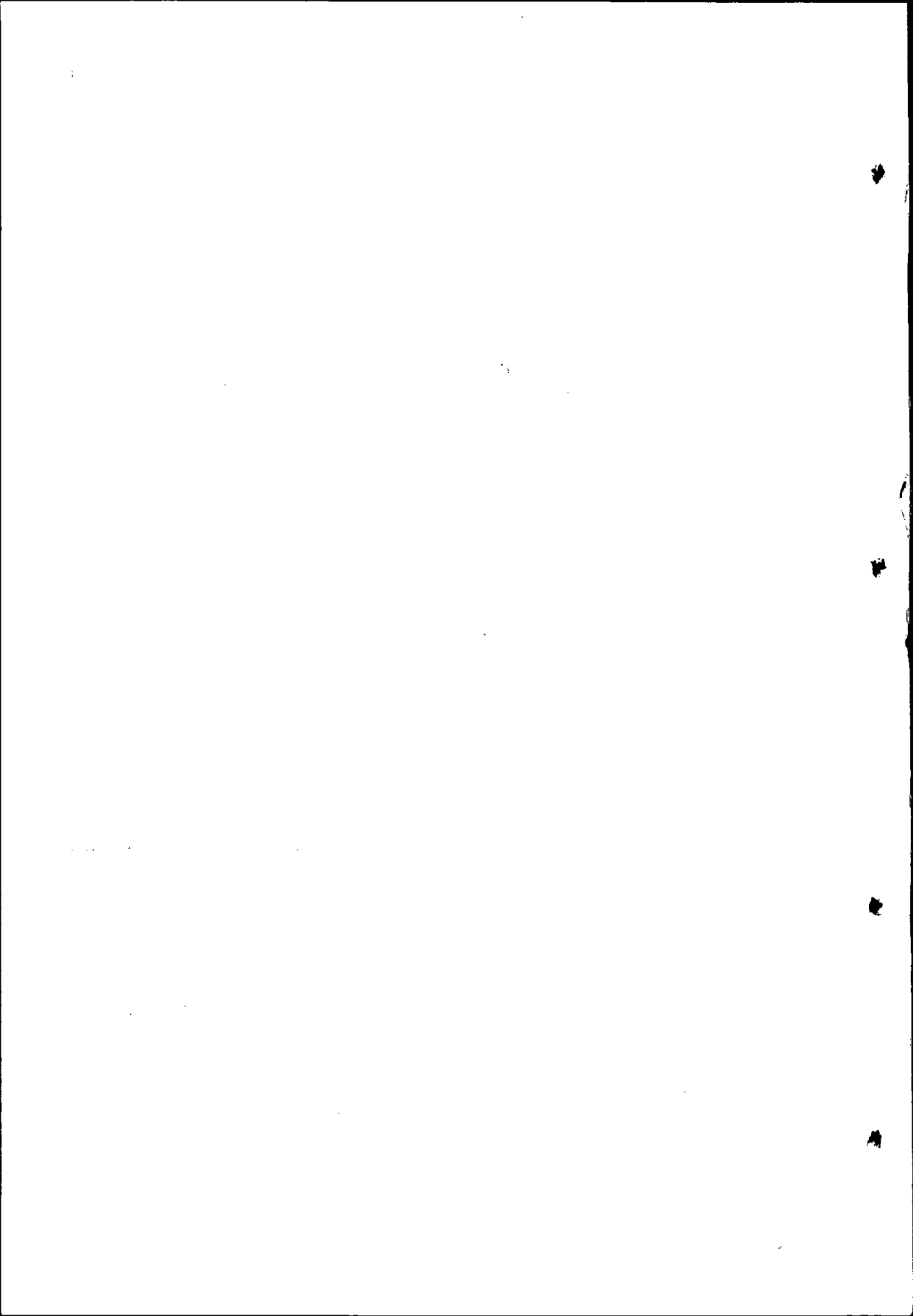


بسم الله الرحمن الرحيم

إنما يخشى الله من عباده العلماء

صدق الله العظيم

فاطر (٢٨)



CAPITAL NOTES

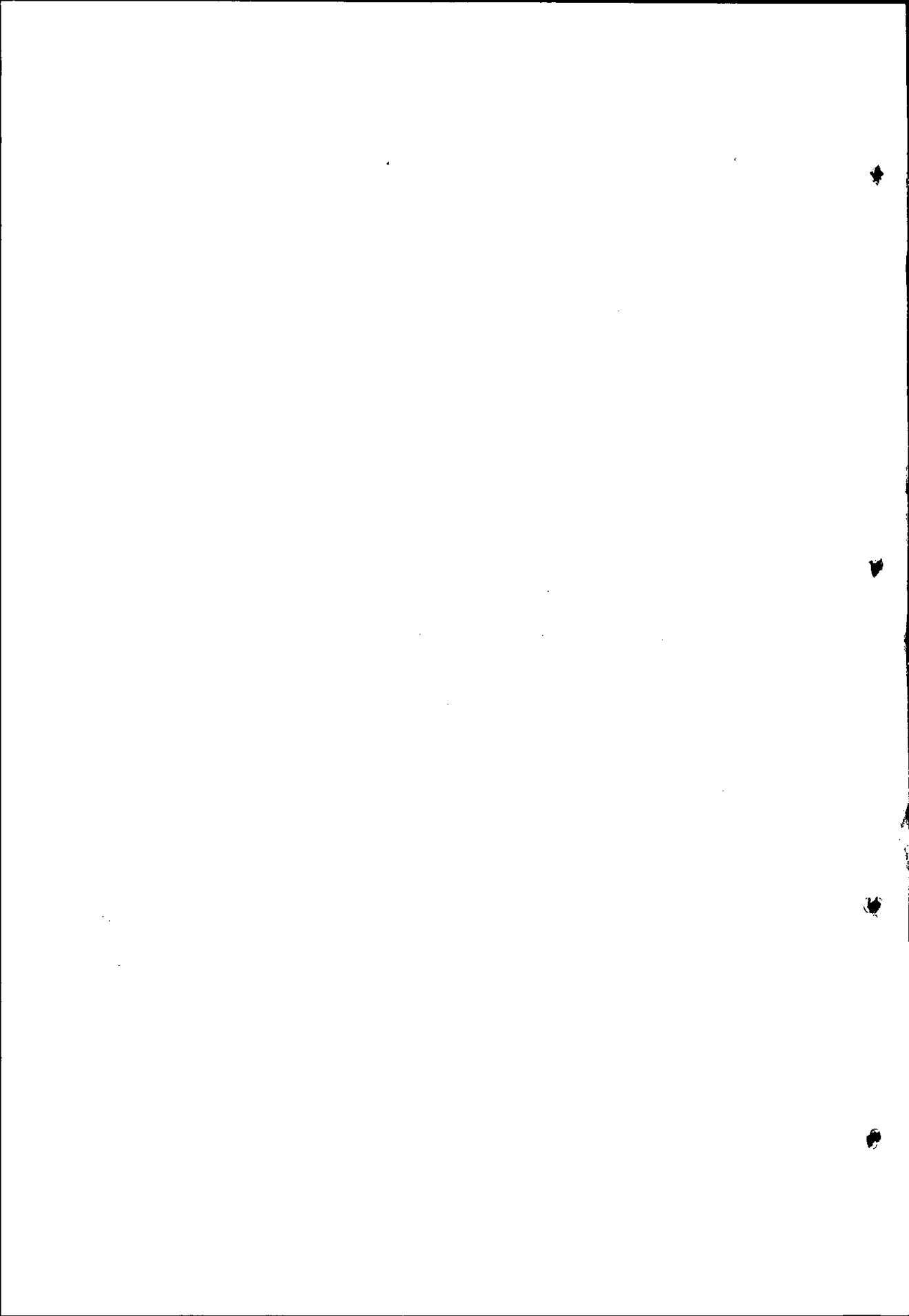
Beside the work carried out in this thesis, the candidate, **Khalid Mahmoud Mahmoud Elhadi** has attended post – graduate studies for the partial fulfillment of the M.Sc. degree in the following topics:

1. Mechanism of inorganic reactions
2. Statistical thermo-dynamics
3. Organo-metallic chemistry
4. Solvent extraction
5. Chromatography
6. Bioinorganic chemistry
7. Polarography
8. Electro analytical chemistry
9. Spectroscopic application of group theory
10. Basic computing applications
11. Spectroscopic and laser applications
12. Molecular spectroscopy
13. Photo analytical chemistry
14. English language

He successfully passed an examination in the above-mentioned courses.

Head of Chemistry Department

Prof. Dr. M.A. El-Kasaby



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