Ain Shams University Information Network
جامعة عين شمس
شبكة المعلومات الجامعية
@ ASUNET

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي 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%

بعض الوثائق الاصلية تالفة

بالرسالة صفحات

لم ترد بالاصل

GEOCHEMICAL AND TECHNOLOGICAL STUDIES FOR SOME MINERALIZED GRANITES IN MAGAL GEBRIEL AREA, SOUTH EASTERN DESERT, EGYPT.

A Thesis Submitted in Partial Fulfilment of the Requirements for the Degree of Master in Science (Geology)

BY

MOHAMED GAMAL EL-DIN MAHFOUZ

(B. Sc.)

Nuclear Materials Authority

TO

GEOLOGY DEPARTMENT

FACULTY OF SCIENCE

AIN SHAMS UNIVERSITY

CAIRO, EGYPT.

(1998)

Title of the M.Sc. Thesis

GEOCHEMICAL AND TECHNOLOGICAL STUDIES FOR SOME MINERALIZED GRANITES IN MAGAL GEBRIEL AREA, SOUTH EASTERN DESERT, EGYPT.

Name of the candidate

MOHAMED GAMAL EL-DIN MAHFOUZ

Supervised by

Prof. Dr. Mohamed Izz El-Din Hilmy
Professor of Geology
Faculty of Science
Ein Shams University

Prof. Dr. Laila Attia Guirguis
Professor of Geology
Nuclear Materials Authority

Prof. Dr. Ahmed Farouk Kamel
Professor of Geology
Nuclear Materials Authority

Prof. Dr. W. Morcos
Head of Geology Department
Faculty of Science
Ain Shams University

بسم الله الرحمن الرحيم

﴿ وَعَلَّمَكَ مَا لَمْ تَكُن تَعْلَمُ

وَكَانَ فَضْلُ اللَّهِ عَلَيْكَ عَظِيماً ﴾

(صدق الله العظيم)

سورة النساء (١١٣)

NOTE

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

Beside the research work carried out in this thesis, the candidate has attended post graduate courses for one year in the following topics:

- Mineralogy.
- Geochemistry.
- Igneous petrology.
- Metamorphic petrology.
- Sedimentary petrology.
- Sedimentation.
- Ore petrology.
- Laboratory technique.
- Field geology and mapping.
- Geostatistics and basic language programming.
- English language.

He has successfully passed the final examination in the above mentioned courses.

Prof. Dr. W. Morcos

Head of Geology Department
Faculty of Science,
Ain Shams University

ACKNOWLEDGMENTS

The author wishes to express his deepest gratitudes to **Prof. Dr. Izz El-Din Helmy,** Faculty of Science, Ain Shams University for his kind supervision, valuable discussion, continuous encouragement and constructive suggestions.

The author is grateful to **Prof. Dr. Laila Attia Guirguis,** Nuclear Materials Authority for supervising and planning the whole thesis. Without her encouragement, guidance, valuable remarks and unfailing sincere help, the present thesis would not have been possible in its present form.

The author is also grateful to **Prof. Dr. Ahmed Farouk Kamel,** Nuclear Materials Authority for his kind supervision, guidance, encouragement and constructive suggestions.

The author is also grateful to **Dr. Medhat Mahmoud El-Mansi, Mr. Ismail Abdel-Ghani** and **Mr. Ashraf Moharem** for their kind help during this work.