شبكة المعلومات الجامعية

التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم

HANAA ALY

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

HANAA ALY

شبكة المعلومات الجامعية

التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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

يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

HANAA ALY

Ain Shams University

Faculty of Science
Department of Geophysics

"Assessment of groundwater potentialities using Remote Sensing and Geophysical data in Saint Catherine area, Southern Sinai, Egypt."

A Thesis Submitted
In Partial Fulfillment of the Requirements for
the Degree of Master of Science in Geophysics

By

Amira Mahmoud Mohamed Mahmoud EL-Nazer

B.Sc. in Geophysics, Ain Shams University

To

Geophysics Department
Faculty of Science
Ain Shams University

Supervisors

Prof. Dr. Ahmad S. Helaly
Prof. of Geophysics Department, Ain Shams University

Prof. Dr. Safaa M. Hassan
Prof. of Data Reception Analysis and Receiving Station Affairs Division

Dr. Ahmed M. Abd Al Gawad
Associate Prof. of Geophysics Department, Ain Shams University

Cairo, Egypt
2021

ACKNOWLEDGMENTS

Firstly, I want to thank the Almighty Allah, what was a good deed is from **Allah** and what was bad is from me.

Gratefulness and my deep thanks to **my family** for their continuous moral support throughout my life.

I would like to express my sincere thanks to **Prof. Dr. Ahmad Sobhy Helaly**, Professor of Geophysics, Geophysics Department, Faculty of Science, Ain Shams University for his valuable comments and sharing his precious time to reviewing and leading his comments in this thesis.

I wish to express my gratitude to **Prof. Dr. Safaa M. Hassan**, Professor of Data Reception Analysis and Receiving Station Affairs Division for his guidance through this work, reviewing the write up and supporting me with many of research papers needed for the study.

I want to express my thanks and appreciation to **Dr. Ahmed M. Abd Al Gawad** Associate Professor of Geophysics, Geophysics Department, Faculty of Science, Ain Shams University for his valuable comments and supporting me to produce the best in this thesis.

Finally, I would like to thank the staff member of **Egyptian Mineral Resource Authority (EMRA)** all of them who helped me get the data and complete this work.

LIST OF CONTENTS

List of Contents

List of Figures

List of Table

ABSTRACT