# Synthesis and Reactions of Some Organic Sulphur Heterocycles of Anticipated Biological Activity



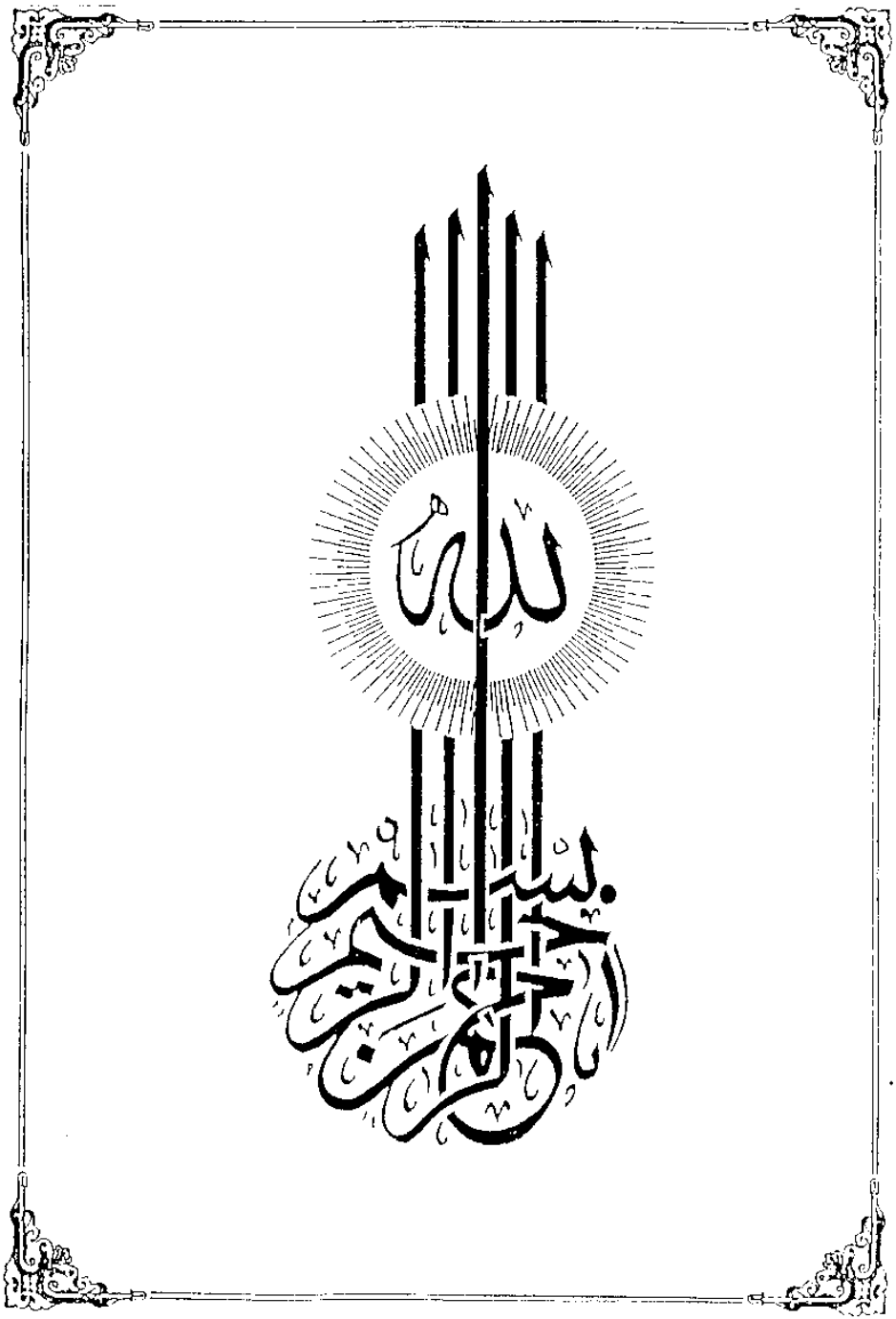


A Thesis
Submitted By
KHALED FATHY SAIED
M. Sc.

For The Degree of Ph.D.
(Chemistry)

To
Department of Chemistry
Faculty of Science
Ain Shams University

1999



# Synthesis and Reactions of Some Organic Sulphur Heterocycles of Anticipated Biological Activity

A Thesis
Submitted By
KHALED FATHY SAIED
M. Sc.

For The Degree of Ph.D.
(Chemistry)

To
Department of Chemistry
Faculty of Science
Ain Shams University

1999

# Synthesis and Reactions of Some Organic Sulphur Heterocycles of Anticipated Biological Activity

**Thesis Advisors** **Approved**


***Prof. Dr. Mohamed T. Omar***

Faculty of Science, Ain Shams University.

***Prof. Dr. Mohamed E. Shaban***

Faculty of Science, Ain Shams University.

***Dr. Nadia Kh. El-Aasar***

Faculty of Science, Ain Shams University.


**Head of Chemistry Department**

**Prof. Dr. S. S. M. Hassan**

# *Acknowledgment*

*The author wishes to express his deep thanks and sincere gratitude to* ***Prof. Dr. Mohamed T. Omar,*** *Professor of Organic Chemistry, Chemistry Department, Faculty of Science, Ain Shams University, for suggesting the problem, indispensable advice, valuable discussions and criticism.*

*The author is also too grateful to* ***Prof. Dr. Mohamed E. Shaban*** *Professor of Organic Chemistry, and to* ***Dr. Nadia Kh. El-Aasar,*** *Lecturer of Organic Chemistry, Chemistry Department, Faculty of Science, Ain Shams University, for the valuable assistance, guidance and continuous help during the progress of the work.*

# Contents

# List of Tables

# List of Figures