

سامية محمد مصطفى



شبكة المعلومات الجامعية

# بسم الله الرحمن الرحيم



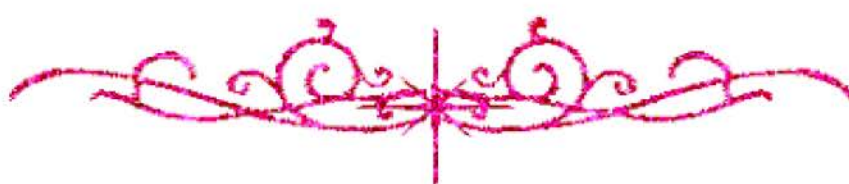
سامية محمد مصطفى



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 تغيرات



## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



سامية محمد مصطفى



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# بعض الوثائق الأصلية تالفة





سامية محمد مصطفى



شبكة المعلومات الجامعية



# بالرسالة صفحات لم ترد بالأصل





Zagazig University  
Benha Branch  
Faculty of Science  
Chemistry Department

# **SYNTHESIS AND REACTIONS WITH PYRIMIDINE THIONE DERIVATIVES**

*A Thesis*

Submitted in Partial Fulfillment of The Requirements of  
Master Degree

*By*

Ashraf Ali Abdel-Hamid Abdel-Fattah  
*B.SC (Special Degree)*

*Supervised by*

*Prof. Dr.*

Maher Abdel-Aziz El-Hashash  
Professor of Organic Chem.  
Faculty of Science  
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*Dr.*

Soria Abdel-Wanis Nassar  
Lecturer of Organic Chem.  
Zagazig University (Benha)

**1993**

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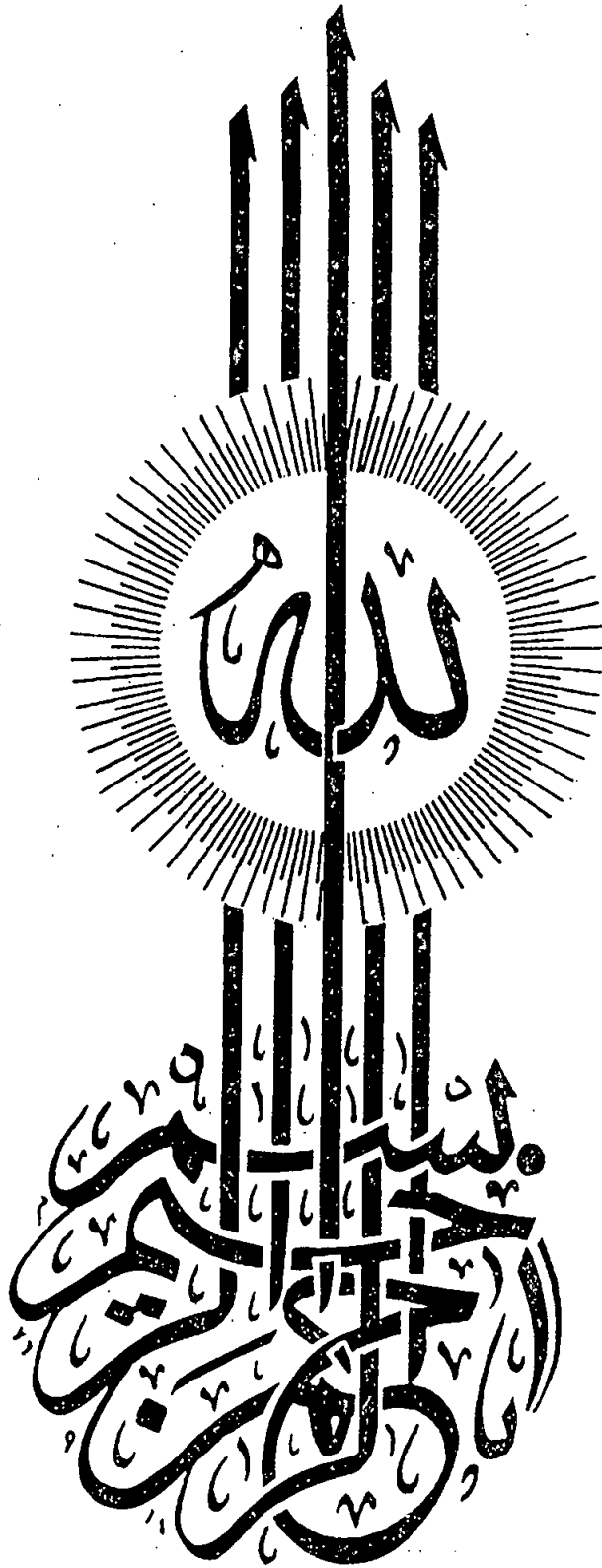
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# **SYNTHESIS AND REACTIONS WITH PYRIMIDINE THIONE DERIVATIVES**

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**Prof. Dr. M.A. El-Hashash.....**

**Prof. Dr. A.A. El-Sawy.....**

**Prof. Dr. S.A. Essawy.....**

**Dr. S.A. Nassar.....**

**Thesis Approved**

**Prof. Dr. M.A. Mousa**

**Head of Chemistry Department**

## **NOTE**

**Besides the work carried out in this thesis, the candidate has attended post-graduate courses in Organic Chemistry, covering the following topics:**

- 1- Physical Organic Chemistry.**
- 2- Heterocyclic Chemistry.**
- 3- Organic Microanalysis.**
- 4- Spectroscopy (U.V., I.R., N.M.R., M.S.).**
- 5- Selected Course.**
- 6- Computer.**
- 7- English Language.**

**Prof. Dr. M.A. Mousa**  
**Head of Chemistry Department**

## ACKNOWLEDGEMENT

*Prayerful thanks must be presented, at first, to the merciful "GOD".*

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## AIM OF THE WORK

## AIM OF THE WORK

The aim of the present work is synthesis and behaviour of 4,6-diarylpyrimidine thione towards some electrophilic and nucleophilic reagents, in an attempt to prepare newer heterocycles incorporating reactive pharmaceutical sites. e.g. nitrogen bridgehead compounds which have interesting broad spectrum biological activity.



## **SUMMARY**