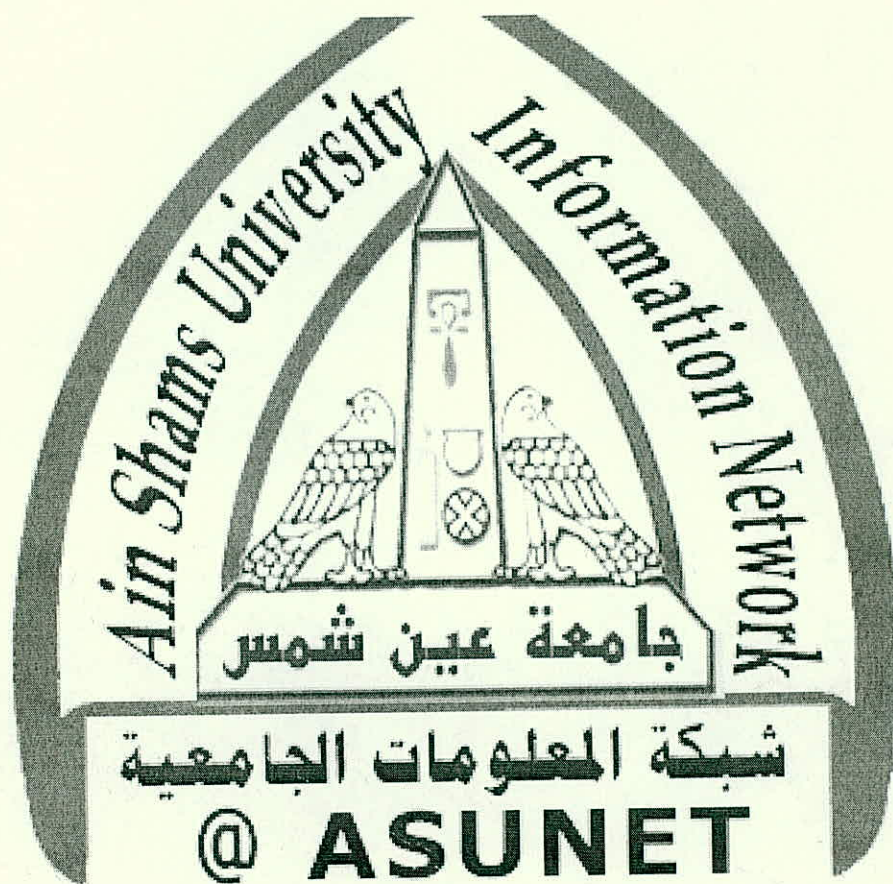




شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



South Valley University
Faculty of Science
Department of Chemistry

STUDIES ON SOME HETEROCYCLIC COMPOUNDS

A THESIS

**Presented to Aswan-Faculty of Science, South Valley
University in Partial Fulfilment**

For

The Degree of Master of Science

By

Nadia Ali Ahmed El Kanzi

B.SC. Special Chemistry 1994

Supervised by

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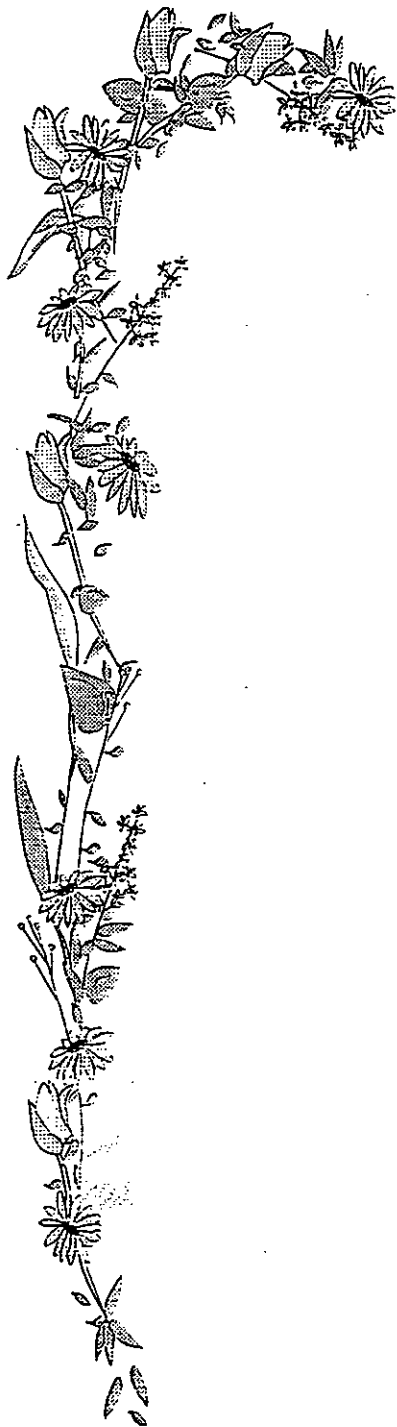
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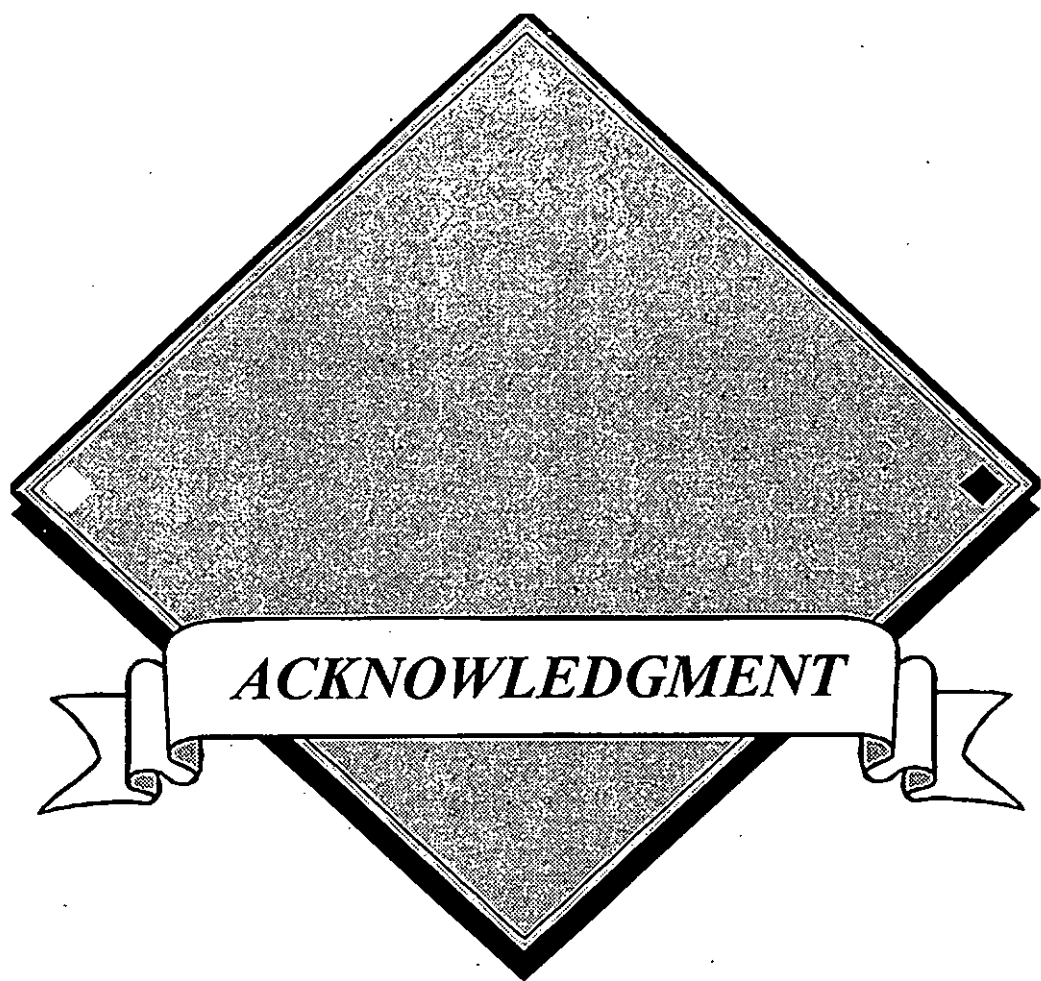
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To My Family
and
Warda Hassan





ACKNOWLEDGMENT

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Affairs,
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for his
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Professor of
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Mr. Farag,
Cairo

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ABSTRACT

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Thesis Titled**Studies on Some Heterocyclic Compounds**

Pyrazolo[1,5-a]pyrimidines are purine analogues and as such have useful properties as antimetabolites in purine biochemical reaction. Also, pyrazolo[1,5-a]pyrimidines are potential drugs for schistosomiasis was of interest to us. Schistosomiasis is one of the most difficult diseases to treat and is a national problem in our country. Thus, pyrazolo[1,5-a]pyrimidines have again attracted our attention. In the present work we report here a facile and easy rout for the synthesis of several new pyrazolo[1,5-a]pyrimidines via the reaction of cinnamonnitrile or alkylidenemalononitrile derivatives with ethyl 5-amino-3-methylthio-1H-pyrazole-4-carboxylate. Also, reaction of diazotised of the latter with active hydrogen reagent afforded pyrazolo[5,1-c][1,2,4]triazines.

Key Words: 5-Aminopyrazole; Alkylidenemalononitrile; Active hydrogen compounds, pyrazole-4-carboxylic acid.

Author

Nadia Ali Ahmed

Environ.