

شبكة المعلومات الجامعية







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 على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من ١٥-٥٠ مئوية ورطوبة نسبية من ٢٠-٠٠% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%



بعض الوثائـــق الإصليــة تالفــة



بالرسالة صفحات لم ترد بالإصل

B7577

PHYTOCHEMICAL STUDIES ON Lotus polyphyllus Clarke.

By

EMAD EL-DEIN MAHROUS ABO EL-NOR ATA

B.Sc. of Science, Zagazig University, 1990

A thesis submitted in partial fulfillment

of

the requirements for the degree of

MASTER OF SCIENCE

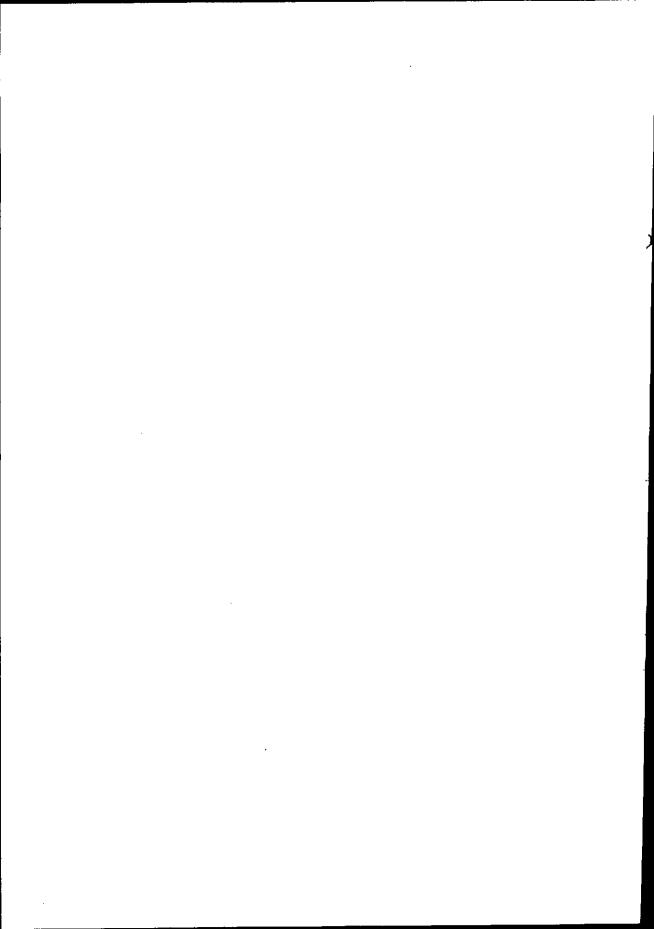
in

(Chemistry)

Chemistry Department Faculty of Science, Ain Shams University

		•
	•	
	•	
		•
	•	
		_





APPROVAL SHEET

Title of Thesis: Phytochemical Studies on Lotus polyphyllus, Clarke.

Thesis Advisors:

Approved

Prof. Dr. Mohamed Mohamed Habashy

H. Itubashy

Dr. Inas Abd El-Moati Mohamed Tolba

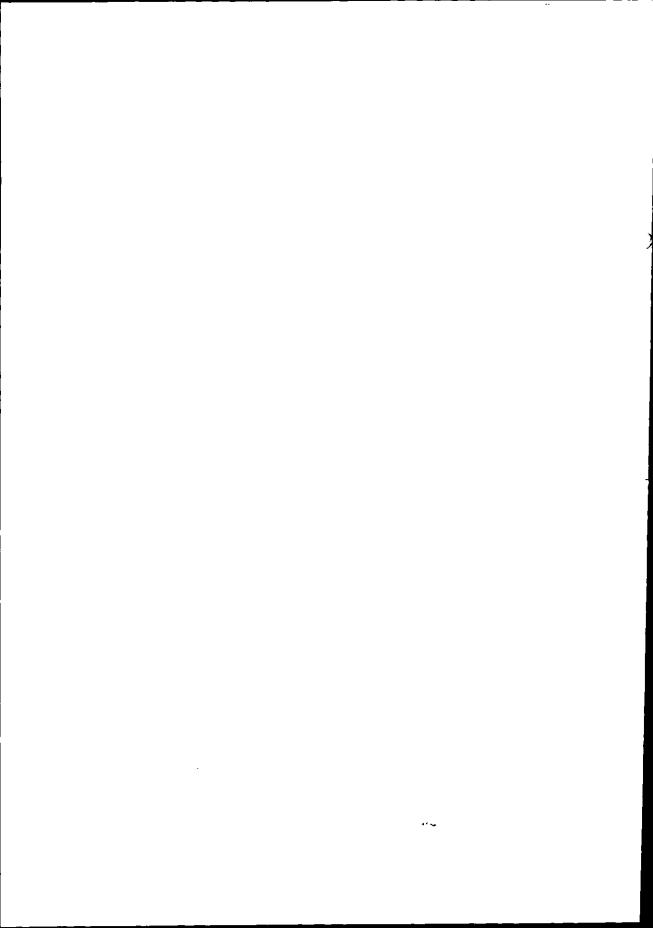
DY I nas AblElmatic

Dr. Inas IbrahimMohamed

Inas Ibrahim

Head of Chemistry Department

AFM-Fahmy



ACKNOWLEDGEMENT

I would like to express my gratitude to Prof. Dr. Mohamed Mohamed Habashy, Professor of Organic Chemistry, Faculty of Science, Ain Shams University, and Dr. Inas Abd El-Moti Mohamed Tolba, Assistant Professor of Ecology and Phytochemistry. Desert Research Center, Dr. Inas Ibrahim Mohamed, Researcher of Ecology and Phytochemistry, Desert Research Center, for suggesting the point, supervising the work, their valuable criticism and continuous guidance.

Thanks are also to Professor Dr. Nabil H. Khamis, Professor of Applied Organic Chemistry, National Research Center. Prof. Dr. Ahlam Mahmoud Gwily, Professor of Pathology. Desert Research Center, and Dr. Ahmed Abd El-Latif El-Kholy, Researcher of Ecology. Desert Research Center, for their continuous help and valuable advice during the whole studies.

I would like to express my deep thanks to Professor Dr. Adel Kamel Youssel, Professor of Ecology and Phytochemistry, and Head of Medicinal Plant Department. Desert Research Center, for facilities and encouragement during the whole studies.

ABSTRACT

Name : Emad El-Dien Mahrous Abo El-Nor Ata

Title: Phytochemical studies on Lotus polyphyllus

Clark.

Degree : Master of Science in Chemistry

Submitted to: Chemistry Department. Faculty of Science,

Ain Shams University.

This investigation includes ecological, ecophysiological, phytochemical and biological studies on Lotus polyphyllus Clarke.

It aimed to clarify the range of environmental conditions within which the plant can grow and adapt itself to the main communities and the reflection of these environmental conditions on the chemical constituents of the plant, in addition to the previous study a preliminary biological study was done which aimed to clarify the pharmacognostical importance of the plant.

Key words: Flavonoids-Lotus, leguminosae.

