سامية محمد مصطفى



شبكة المعلومات الحامعية

# بسم الله الرحمن الرحيم



-Caro-

سامية محمد مصطفي



شبكة العلومات الحامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





سامية محمد مصطفى

شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

## قسو

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



يجب أن

تحفظ هذه الأقراص المدمجة يعيدا عن الغيار



سامية محمد مصطفي



شبكة المعلومات الجامعية



المسلمة عين شعور المسلمة عين شعور المسلمة عين شعور المسلمة عين شعور المسلمة ا

سامية محمد مصطفى

شبكة المعلومات الحامعية



بالرسالة صفحات لم ترد بالأصل



#### STUDY OF PARASITIC INFECTIONS AMONG CHILDREN ATTENDING MENOUFIYA UNIVERSITY HOSPITAL

#### **THESIS**

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR M.Sc. DEGREE IN PARASITOLOGY

BY

#### Nansy Mahmoud Harba

M.B.B.CH.

Demonstrator, Department of parasitology Faculty of Medicine, Menoufiya University

SUPERVISED BY

#### Prof. Dr. Maimona EL-Sayed Bakr

Prof. of Parasitology

Faculty of Medicine, Menoufiya University

#### Prof. Dr. Nashaat EL-Sayed Nassef

Prof. And head of Parasitology Department Faculty of Medicine, Menoufiya University

Prof Dr. Mohamed Sayed Mostafa

Prof. And head Of Clinical Pathology National liver Institute, Menoufiya University

> Department of Parasitology Menoufiya University 2002

BIEITT



صدى الله العظيم البقرة ٣٢

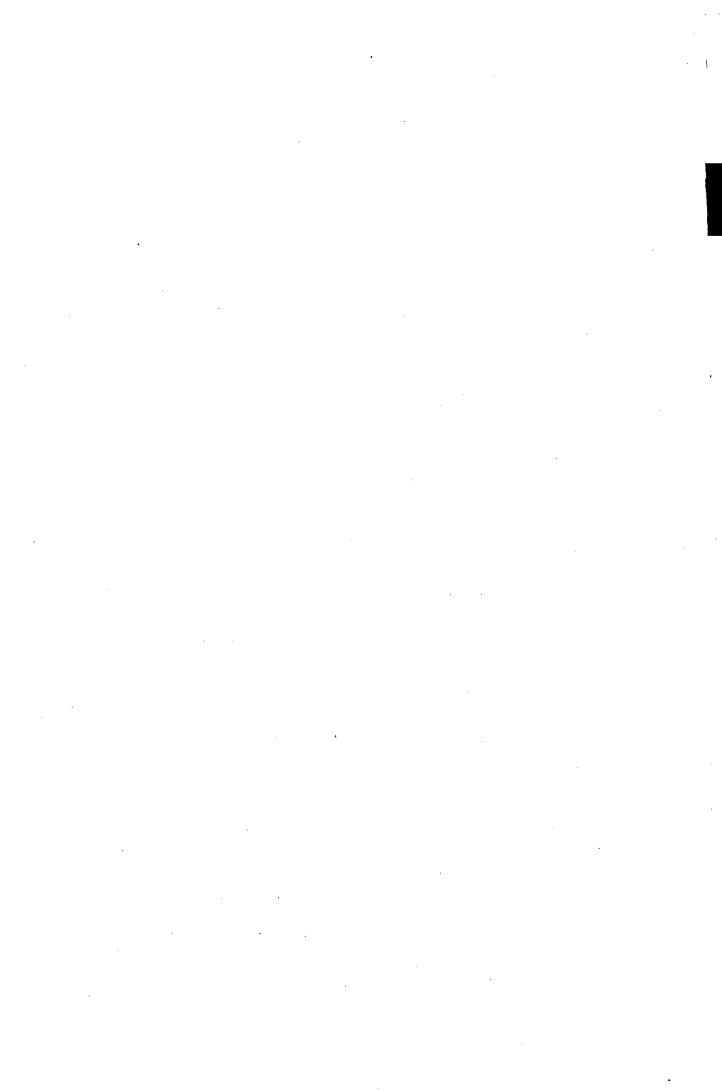


## CONTENT

Item	Page
Introduction	
Aim of The Work	3
Review of Literature	
Prevalence of parasitic infections in Egyptian	
children.	4
Parasitic infections in different parts of the	
world.	25
Laboratory diagnosis of parasitic diseases.	43
Indirect methods for diagnosis of	
schistosomaisis (immunodiagnosis of	
schistosomaisis).	52
Material and Methods	79
Results	92
Discussion	117
Summary	157
Conclusion and Recommendations	159
References	163
Arabic Summary	235

# LIST OF ABBREVIATION

CAA	Circulating anodic antigen.
CCA	Circulating cathodic antigen.
CSA	Circulating schistosomal antigens.
CEF <sub>6</sub>	Cation exchange fraction 6.
ESEA	Excretory soluble egg antigen.
FDE	FAST Dot ELISA.
GASP	Gut associated schistosome proteoglycan.
IHAT	Indirect Haemagglutination Test.
MAMA	S.mansoni Adult Microsomal Antigen.
McAB	Monoclonal antibody.
MSA	Major serologic antigen.
SEA	Soluble egg antigen.
SWAP	Saline worm adult preparation.
SWEP	Soluble warm excretory protein.



### ACKNOWLEDGEMENT

I would like to express my deepest gratitude to *Prof. Dr. Nashaat El-Sayed Nasef*, professor and Head of parasitology Dept., faculty of Medicine, Menoufiya University for her patience and tremendous efforts throughout this work, her guidance, help and sincere supervision were the cornerstone in the building up of this thesis and without her help this work could never been completed.

I would also like to express my very sincerest gratitude and deepest appreciation to *Prof. Dr. Maimona El-Sayed Bakr*, professor of parasitology, faculty of medicine, Menoufiya University for her generous supervision, continuous encouragement and kind advice during the conduction of this work.

I'm particularly deeply indebted to *Prof. Dr. Mohamed Sayed Moustafa*, Professor and head of clinical pathology Dept., liver Institute, Menoufiya University for his kind support, scientific guidance, continuous help and follow up throughout this work.



# INTRODUCTION