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



# Clinical investigation of the digenean metacercarial infestation in tilapia in the High Dam lake, Egypt

Omyma Mohammed Ahmed Abd-Elkareem
B.V.Sc. Assiut University, 1994

A Thesis Submitted to the Faculty of Veterinary

Medicine of Assiut University in fulfillment of the requirements

for the Degree of Master of Veterinary Sciences

**Under Supervision of** 

Prof. Dr. Hamdy A. Ibrahim

Professor of Veterinary Interology and Laboratory
Diagnosis. Faculty of Veterinary Medicine
Assuit University

Dr. Sameh G.Elrashedy

Lecturer of Aquatic Animals Medicine Faculty of Veterinary Medicine Assiut university

Prof. Dr. Aly A. Elebaidy

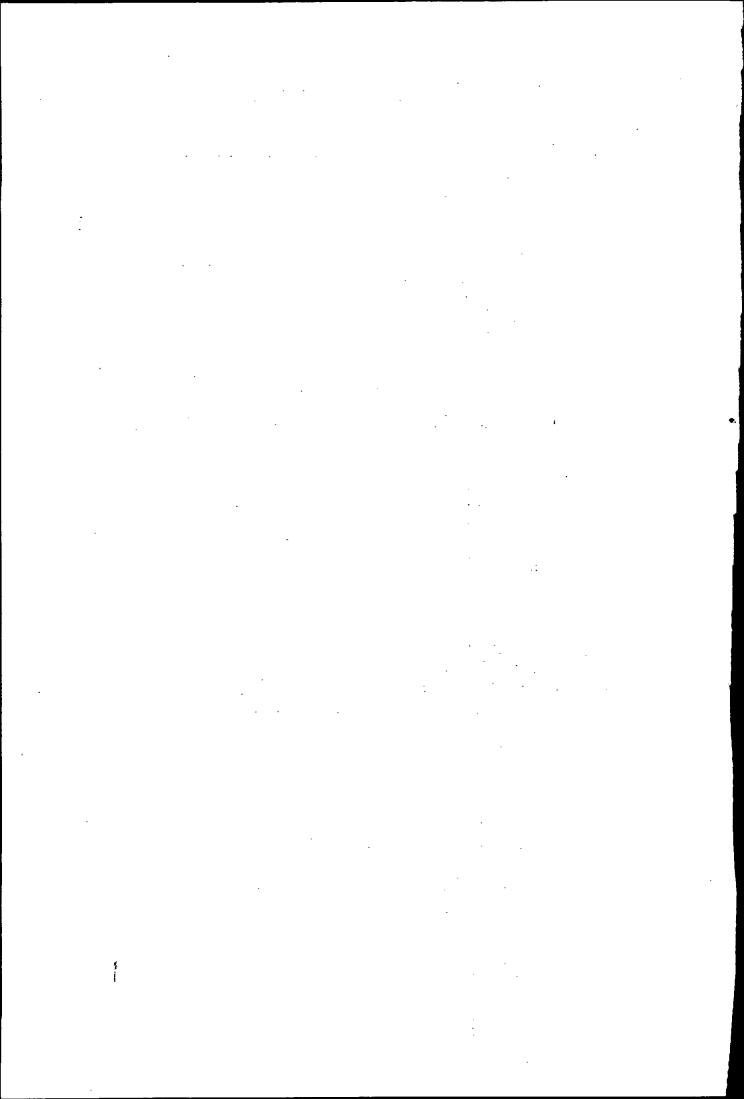
Chairman of

Animal Health Research

Institute

Assiut, Egypt

B 18070



### Certificate of Approval:

## Clinical investigation of the digenean metacercarial infestiation in tilapia in the High Dam lake, Egypt

Omyma Mohammed Ahmed Abd El-Kareem

B.V.Sc. Assiut University, 1994.

M.V.Sc. Assiut University, 2000.

Dr: Hamdy A. Ibrahim

Supervisor & Examiner

Z.M. El Bourly

Dr: Mohammed S. Marzouk

Examiner

Dr: Zainab M. El-Bouhy

Examiner

Dr: Ali A. Elebaidy

Supervisor

Dr: Sameh G. Elrashedy

Supervisor and Examiner

Assiut University, Egypt 2000

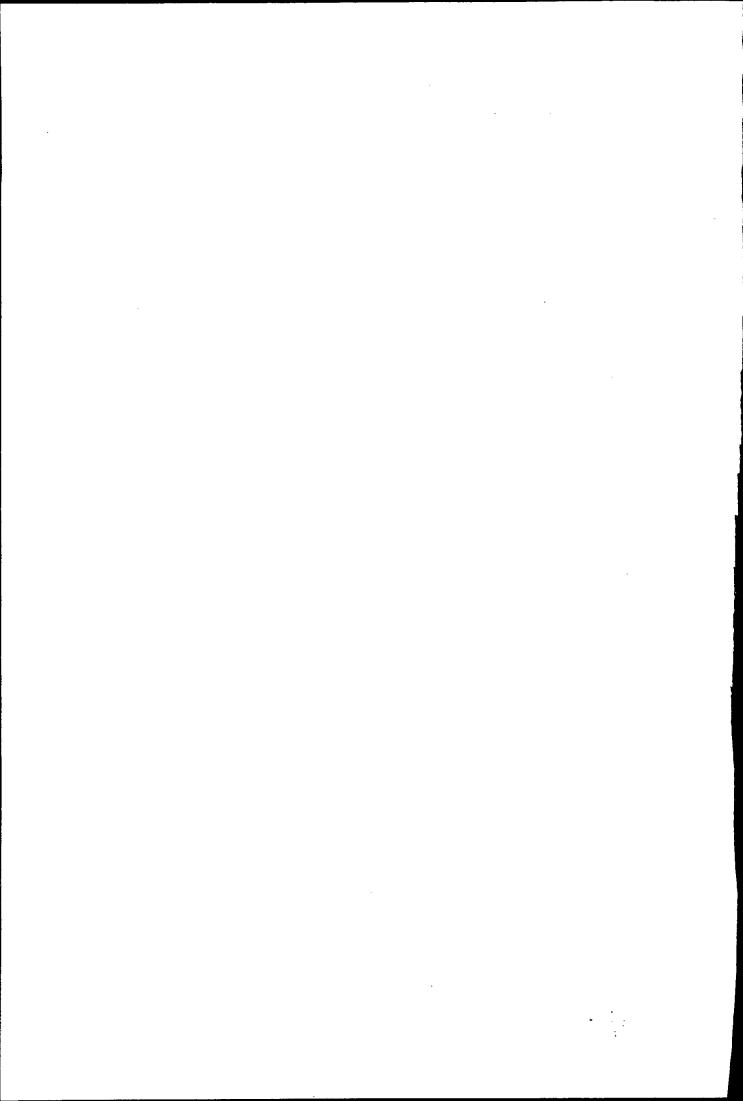


Computer software used: Microsoft Office, Word 97.

Style used

: CBE style manual, and Journal of

Aquatic Animal Health.



### **ACKNOWLEDGEMENT**

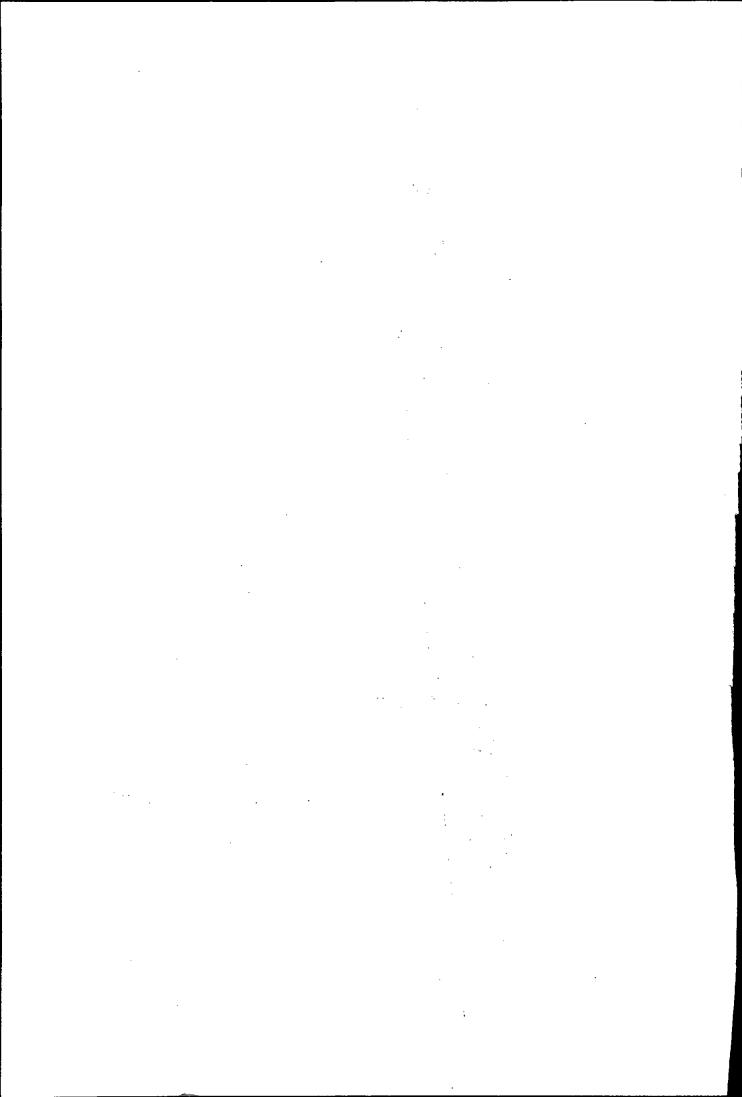
First of all, prayerful thanks are to our Merciful GOD who gives us everything we have.

I would like to express my sincere thanks to Prof. Dr. Hamdy. A. Ibraheem, Professor of Medicine diseases, Faculty of Veterinary Medicine, Assiut University for his continuous encouragement and sharing supervision throughout this work.

Special thanks to Dr. Salah I. El-Ballal, Professor of pathology, Faculty of Veterinary Medicine; El-Monefia University for his unlimited helps in the histopathological techniques.

I am grateful to Prof. Dr. Ali A. Elebaidy, Professor and Chairman of Animal Health Research Institute for his continuous encouragement of the thesis.

I would like to express my appreciation to Mr. Anas A. Shehab, Director of Abu-Simble water works and all staff members of water analysis laboratory for their assistance in providing fish and for the use of the facilities of using the laboratory for fish examination.



I would like to express my thanks to all staff members of Misr Aswan Company for Fishing and Fish Processing, all staff members of Almisria Company for Fish Marketing and all staff members the High Dam lake Development Authority for their assistance in providing fish.

I wish to express my deepest gratitude and sincere thanks to my major professor, Dr. Sameh G. Elrashedy,

Lecturer Of Fish Diseases , Faculty of Veterinary Medicine,

Assiut University for the tremendous efforts in suggesting the subject, planning and the design of this study, keen supervision, repeated proof readings of the text, unfailing interest, guidance and valuable assistance.

Last but not least I am grateful to my family for their help, encouragement, and endless support.

