

جامعة عين شمس كلية البنات للآداب والعلوم والتربية قسم علم الحيوان

در اسات تجريبية على سمية الأكريلاميد على الجرذ الأمهق رسالة مقدمة للحصول على درجة الماجستير في العلوم (علم الحيوان)

من

هبة الله سبيد عبده حسن نصار بكالوريوس علوم قسم علم الحيوان كلية البنات جامعة عين شمس

تحت اشراف

ا د / أمينة محمد فرج الله علم الخلية والأ

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ا.د./ أفنان مصطفى أحمد عامر

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2010



Ain Shams University Girl's college for Art, Science and Education Zoology Department

EXPERIMENTAL STUDIES ON THE TOXICITY OF ACRYLAMIDE IN ALBINO RAT

Thesis
Submitted for (M.Sc.) degree in Zoology

Ву

Hebat-Allah Sayed Abdu Hassan Nassar

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2010

بسم الله الرحمن الرحيم



صدق الله العظيم : ية (32)

QUALIFICATIONS

Name : Hebat-Allah Sayed Abdu Hassan Nassar

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University : Ain Shams

Graduation year: 2000

DEDICATION

To my kind

Parents

To my helpful sisters

Hanaa, Hadier and Hoda

To my faithful brother Abdullah

COURSES

Courses studied by the candidate in partial fulfillments of the requirement for the degree of **M.Sc**.

- 1-Physiology
- 2-Histology
- 3-Parasitology
- 4- Statistical Analysis
- 5- Scientific English

APPROVAL SHEET

This is to approve that the dissertation presented by:

Hebat-Allah Sayed Abdu Hassan Nassar

To Girl's College entitled:

EXPERIMENTAL STUDIES ON THE TOXICITY OF ACRYLAMIDE IN ALBINO RAT

Scientific Degree:

M. Sc. of Science.

Board of Scientific Supervision

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Date / /2010

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لجنة الإشراف

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اسم الطالبة : هبة الله سيد عبده حسن نصار

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اسم الكلية : كلية البنات للآداب والعلوم والتربية

الجامعة : عين شمس

سنة التخرج : 2000

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Firstly of all, grateful thanks are due to "ALLAH" as I feel his care and support in every step in my life.

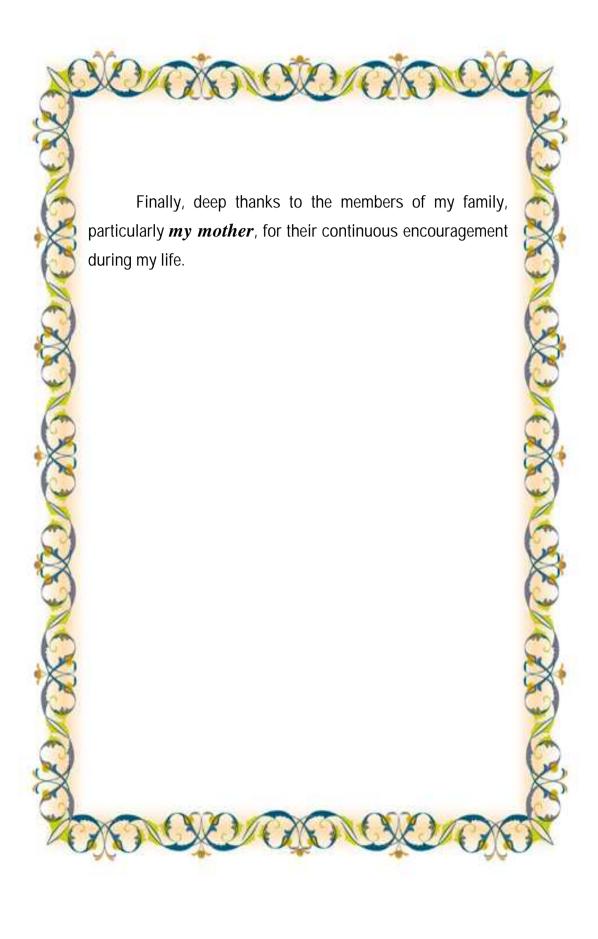
Any words would not be sufficient to express my deepest appreciation with sincere gratitude to *Prof. Dr. Amina Mohamed Farag-Allah*, professor of Cell Biology & Histology, Department of Zoology, Girl's College for Art, Science and Education, Ain Shams University, for suggesting the problem of this study and for her great efforts in planning the practical work, interpretation of pathological findings, and the critical reading and careful revision of thesis. Her scientific merit, deep experience, meticulous guidance, constructive criticism and sincere encouragement were of great value in completing this thesis.

To *Prof. Dr. Afnan Mostafa Ahmed Amer,* Professor of Physiology, Department of Zoology, Girl's College for Art, Science and Education, Ain Shams University, I would like to express my sincere thanks and deepest gratitude for suggesting the topic of research and for her professional reading and revision of all the parts of this thesis, as well as her scientific merit, supervising and illuminating constructive criticism in reading the manuscript.

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شکر و تقدیر

الحمد لله الذى هدانا لهذا وما كنا لنهتدى لولا أن هدانا الله أتقدم بوافر شكري وتقديري لكل من الأساتذة الذين قاموا بالإشراف على الرسالة وهم:

اد./ أمينة محمد فرج الله أستاذ علم الخلية والأنسجة قسم علم الحيوان _ كلية البنات حامعة عين شمس

ا.د./ أفنان مصطفى أحمد عامر أستاذ علم وظائف الأعضاء قسم علم الحيوان - كلية البنات- جامعة عين شمس

د./ هاله فهمى عبد اللاه سيد مدرس علم الحيوان قسم علم الحيوان ـ كلية البنات ـ جامعة عين شمس

ولا يفوتنى أن أقدم كل التقدير والعرفان لأمى الحبيبة على عطائها المستمر لإنجاح هذا العمل المتواضع.

AKNOWLEDGEMENT

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