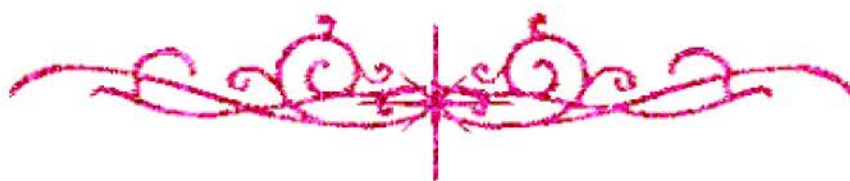


سامية محمد مصطفى



شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



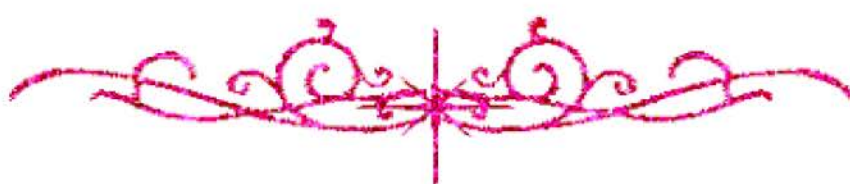
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شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



سامية محمد مصطفى



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

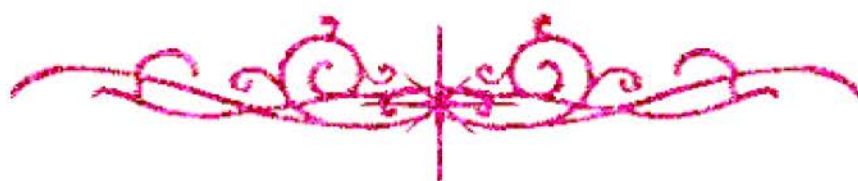
قسم

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



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



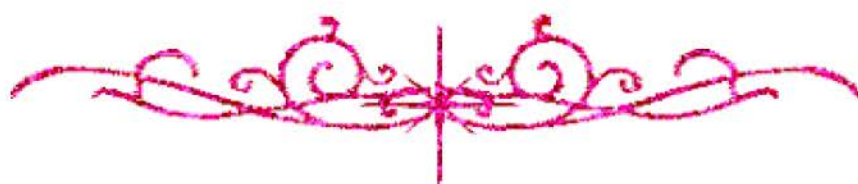
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بعض الوثائق الأصلية تالفة



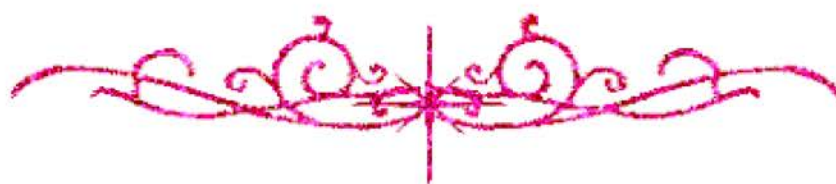
سامية محمد مصطفى



شبكة المعلومات الجامعية



بالرسالة صفحات لم ترد بالأصل



**CYTOGENETIC STUDIES ON THE MUTAGENIC
POTENTIALITY OF SOME CHEMICALS USING
DIFFERENT LIVING SYSTEMS**

BY

Nabil Said Awad Ibrahim

B.Sc. Agric. (Genetics), Ain Shams Univ., (1990)

A thesis submitted in partial fulfillment

of

the requirements for the degree of

MASTER OF SCIENCES

in

Agriculture

(Genetics)

Department of Genetics

Faculty of Agriculture

Ain Shams University

1998

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APPROVAL SHEET

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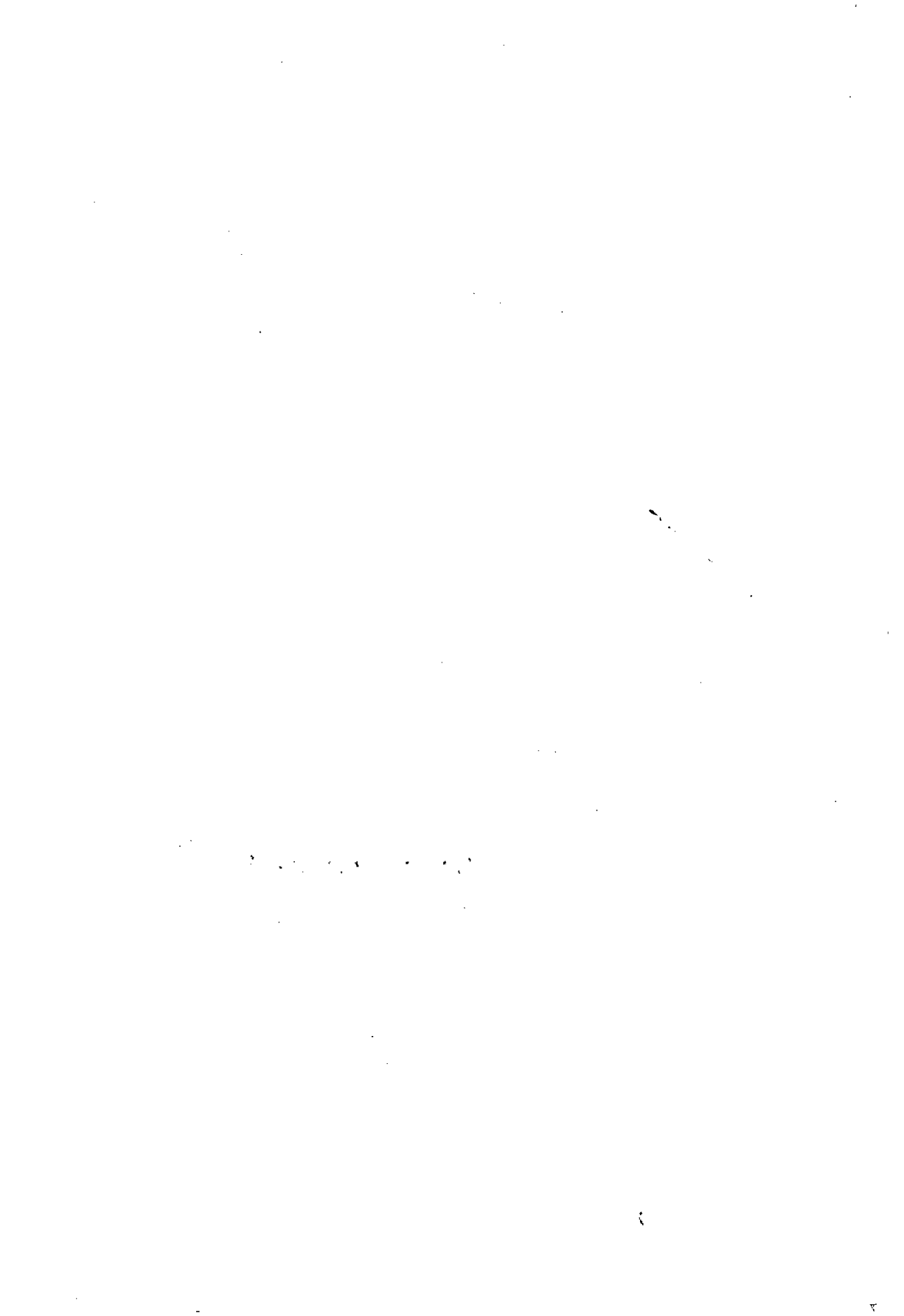
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Date of examination : 1 / 6 / 1998



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ABSTRACT

NABIL SAID AWAD .Cytogenetic studies on the mutagenic potentiality of some chemicals using different living systems . Unpublished Master of Science ,Department of Genetics , 1998, Faculty of agriculture , Ain Shams University.

The aim of this study is to investigate the mutagenic effect of some Carbamate pesticides using different living systems .

Two carbamate pesticides aldicarb and marshal were tested for their ability for inducing both aneuploidy and chromosomal aberrations in germ line cells of *Drosophila* males *in vivo* also for inducing chromosomal aberrations in both rats bone marrow cells

in vivo and human peripheral lymphocyte cells *in vitro* . The two pesticides showed an increase in aneuploidy and chromosomal aberration frequencies in germ- line cells of *Drosophila* .

Also the two pesticides induced an increase in the number of chromosomal aberrations in rats bone marrow cells and human peripheral lymphocytes compared with the control.

Key Words : Carbamate pesticides , Mutagenic , Aneuploidy , Chromosomal aberration , *Drosophila* , Rats , Bone marrow , Human , Lymphocytes

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