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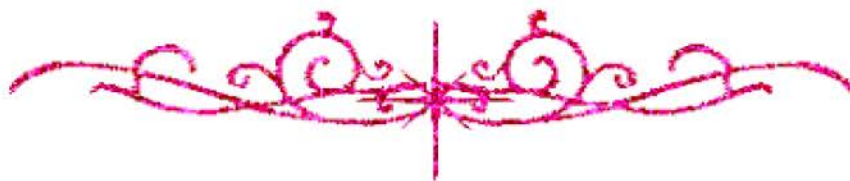
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شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم



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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

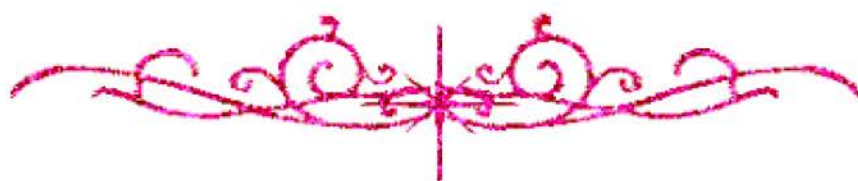
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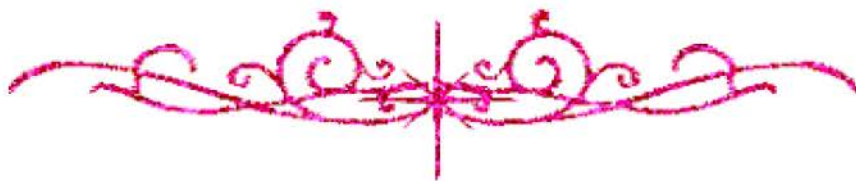
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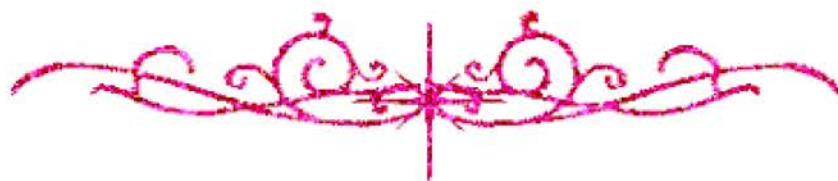
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بالرسالة صفحات
لم ترد بالأصل



*Comparative Evaluation of Drinking
Water Quality and Water Purification
Systems in Ismailia Governorate*

A Thesis

*Submitted in partial Fulfillment
of the requirements Of the Master
degree of science in*

Microbiology

By

Samy Abd EL-Hamid Selim

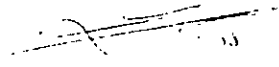
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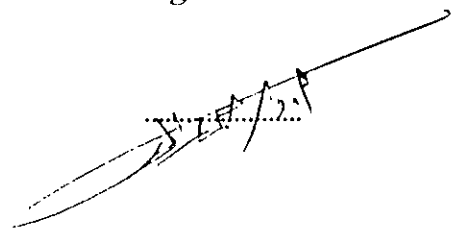
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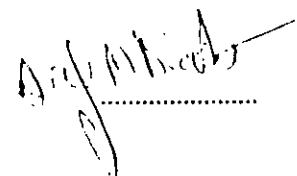
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TO BE DEDICATED
TO
MY WIFE.

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ACKNOWLEDGMENTS

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ABBREVIATIONS

ABS	: Abu Soir drinking water treatment plant.
ETK	: El-Tall El-Kabier drinking water treatment plant.
EKS	: El-Kantra Shark drinking water treatment plant.
SAR	: Sarabium drinking water treatment plant.
ABK	: Abu Kalifa drinking water treatment plant.
FAY	: Fayed drinking water treatment plant.
EKG	: El-Kantra Gharb drinking water treatment plant.
ISG	: Ismailia City drinking water treatment plant. (Rapid sand filter)
ISF	: Isamilia City drinking water French treatment plant. (Slow sand filter)
ISS	: Isamilia City drinking water Scheck treatment plant. (Slow sand filter)
I	: Inlet sampling sites.
II	: Pre-chlorination sampling sites.
III	: Outlet sampling sites.
Temp.	: Temperature.
D.O.	: Dissolved oxygen.
E.C.	: Electro-conductivity.
T.S.S.	: Total suspended solids.
T.D.S.	: Total dissolved salts.
Free Chn.	: Free chlorine
ALK.	: Alkalinity.
Chlor.	: Chlorides.
Ca ⁺⁺	: Calcium.
Mg ⁺⁺	: Magnesium.
T.H.	: Total hardness.
T.V.B.	: Total viable bacteria.
T.C.	: Total coliforms.
F.C.	: Faecal coliforms.
S & S	: Salmonella & Shigella spp.
DWTP _(s)	: Drinking water treatment plants.

CHAPTER 1

INTRODUCTION