

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

## جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

### قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من ١٥-٥٠ مئوية ورطوبة نسبية من ٢٠-٠٠% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%

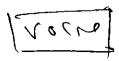


# بعض الوثائـــق الإصليــة تالفــة



# بالرسالة صفحات لم ترد بالإصل

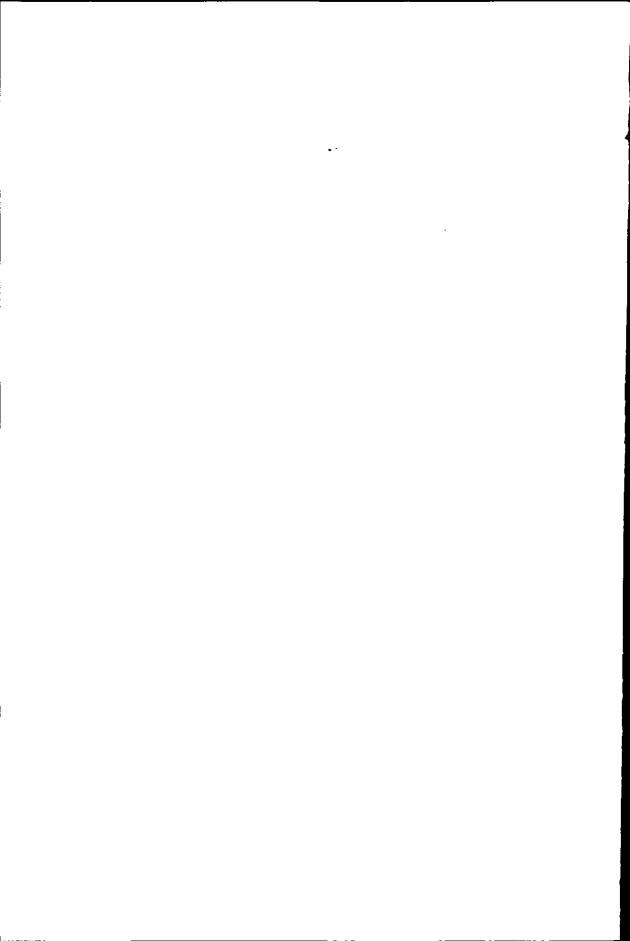
# STUDIES OF SOME INDUSTERAL WASTES AND THE POSSIBILITY OF APPLICATION IN LEATHER FATLIQUORING



A THESIS
SUBMITTED
FOR
Ph.D. Degree
(Chemistry)

By EI-SHAHAT HASSAN ABDEL-LATIFF (M. Sc. Chem. 1995)

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### بسم الله الرحمن الرحيم

"والله جعل لكم من بيوتكم سكنا وجعل لكم من جلود الانعب بيوتا تستخفوها يسوم ظعنكم ويسوم اقامتكم ومن أصوافها وأوبسارها وأشعسارها أثثسا ومتعا الى حين "

صدق الله العظيم (سورة النحل أيه رقم ٨٠)



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TITLE: Studies of Some Industrial Wastes, and the Possibility of Applications in Leather Fatliquoring

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#### **ABBREVIATIONS**

AOCS American Official Chemists 's Society

BOD Biochemical Oxygen Demand

BTPP Benzyl Triphenyl Phosphonium Chloride

Cat. Category

Ce Catalytic Efficiency

COD Chemical Oxygen Demand

CTMA Cetyl Trimethyl Ammonium Bromide

DS Dissolved Solids

E.S Egyptian Standard Specification

F/B Free Fatty Matter / Bound Fatty Matter

g. Gram h. Hour

HLB Hydrophile - Lipophile Balance

mm. Millimeter

N.F.O Neets Feet Oil Organic N Organic Nitrogen

PTC Phase-Transfer Catalyst
Q+X- Quaternary Onium Salts

SS Suspended Solids

SEM Scanning Electron Microscope

Sec. Second

TEBA Triethylbenzyl Ammonium Chlorid

WW Original Wool Wax WWa Prepared Fatliquor

