



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



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بعض الوثائق الأصلية تالفة



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بالرسالة صفحات
لم ترد بالأصل

SOME NOVEL APPLICATIONS OF ASPHALT EMULSIONS

A Thesis

Submitted for the Degree of Master

**In
Chemistry**

By

Notaila Mohamed Nasser

**Chemistry Department
Faculty of Women**

AIN SHAMS UNIVERSITY

1998

B Nona

WESTBROOK, N. H.

1880

1881

1882

1883

*Ain Shams University
Faculty of Women
Chemistry Department*

*MS.C. Thesis
(CHEMISTRY)*

SOME NOVEL APPLICATIONS OF ASPHALT EMULSIONS

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**Some Novel Applications of Asphalt Emulsions.
Master of Science (M.Sc.) – Ain Shams University
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ABSTRACT

In the first part, asphalt slurries, asphalt emulsions and polymer modified asphalt emulsions are formulated using some prepared asphalt emulsifiers and coupling agents. The formulated asphalt slurries and emulsions are used for making soil-asphalt blocks of high compressive strength, waterproofness and durability. Cement kiln dust / sandy clay mixture are the employed nonagricultural soils. In the second part of this study, the viscosity-stability diagrams, of some asphalt emulsion formulation systems, are studied as related to the structures of co-emulsifiers.

Key Words:

Cement – kiln dust applications; Soil-asphalt products; Asphalt emulsifiers, Asphalt coupling agents.

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Note

Beside the work carried out in this thesis, the candidate attended post-graduate courses for one year in organic Chemistry covering the following topics:

- ◆ Instrumental Analysis.
- ◆ Spectroscopy.
- ◆ Natural products.
- ◆ Surface chemistry.
- ◆ Heterocyclic.
- ◆ Photo chemistry.
- ◆ Quantum chemistry.
- ◆ Thermo Dynamics.
- ◆ Chem. Kinetics & Catalysis.
- ◆ Special Topics (Organo metallic).
- ◆ Advanced Reaction Mechanisms .
- ◆ English language

She passed successfully a written examination in these topics.

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