

**BIOLOGICAL EFFECT AND PHYSICO - CHEMICAL
CHARACTERISTICS OF SOME CONCRETE
ADMIXTURES AND PAINTS USED IN BUILDING
MATERIALS**

A Thesis
submitted

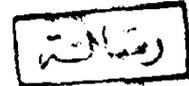


BY

SAMIA HAMED MOURSI TANTAWY

M.Sc. (zoology)

591. 0724
S A



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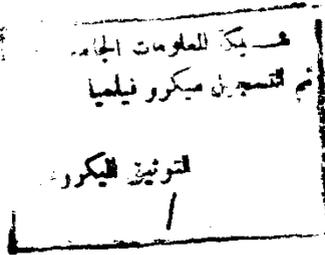
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Board Of Scientific Supervision

Approved

Prof.Dr. S.A.Abo.EL-Enein
Prof.Dr. Physical-Chemistry and Building Materials
Faculty Of Science - Ain Shams University

S.A. Abo-EL Enein

Prof.Dr. M.S.Arbid
Prof.Dr. Farmacology - National Research Center

M. Arbid

Prof.Dr.M.A.Shater
Prof.In General Organization For Housing Building
and Planning Research

M. Shater

Prof.Dr. E.G.Kamel
Prof.and Head Of Zoology Department
Girls College - Ain Shams University

E-George Kamel

Head Of Department



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا بِمَا عَلَّمْتَنَا
إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ
صَلِّ عَلَى الْعَظِيمِ

TO THE MEMORY

OF MY FATHER

TO MY MOTHER

ABSTRACT

The present study deals with the toxicological, biochemical and haematological effects of certain paints and concrete admixtures on the animals with a special reference to experimental rats. The various biological effects on blood, liver functions, body weight and differential leucocytes of rats are investigated. In addition, the effect of these additives on the modification of the mechanical and physico-chemical properties of the hardened cement pastes are fully discussed.

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