



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 %



شبكة المعلومات الجامعية



# بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات  
لم ترد بالأصل



AIN SHAMS UNIVERSITY  
FACULTY OF ENGINEERING  
IRRIGATION & HYDRAULICS DEPARTMENT

## **SEDIMENT TRANSPORT FOR SHORELINE CHANGES**

BY

**MOHAMED KHAIRY MOHAMED EL-KAMASH**

B.Sc. Civil Engineering, Ain Shams University, Faculty of Engineering.

*A Thesis Submitted in Partial Fulfillment for M.Sc. Degree*

Supervised by

**Prof. Dr. ABD EL-FATTAH EL-FIKY**

Head of Irrigation & Hydraulics Dept.,  
Professor of Hydraulics, Harbor & Coastal Engineering, and Inland Navigation,  
Irrigation & Hydraulics Department,  
Faculty of Engineering,  
Ain Shams University.

**Prof. Dr. ABD EL-MOHSEN EL-MONGY**

Professor of Harbor & Coastal Engineering, and Inland Navigation,  
Irrigation & Hydraulics Department,  
Faculty of Engineering,  
Ain Shams University.

**Dr. SONIA YOUSSEF EL-SERAFY**

Lecturer in Irrigation & Hydraulics Department,  
Faculty of Engineering,  
Ain Shams University.

**Cairo, Egypt**

**1996**

Bucke



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

"وَقُلْ رَبِّ زِدْنِي عِلْمًا"

صدق الله العظيم

سوره طه آيه ١١٤





## **EXAMINERS COMMITTEE**

**Thesis Title : Sediment Transport for Shoreline Changes**

**By : Mohamed Khairy Mohamed El-kamash**

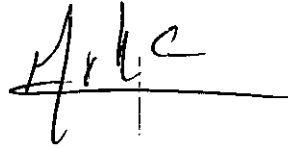
**Signature**

**1- Prof. Dr. Mohamed Ibrahim Balah**

**Prof. of Harbor Engineering and Inland Navigation**

**Faculty of Engineering**

**Suez Canal University**

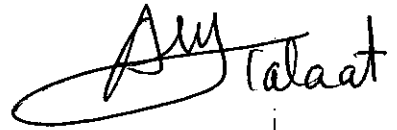


**2- Prof. Dr. Ali Mohamed Talaat**

**Prof. of Irrigation and Hydraulics**

**Faculty of Engineering**

**Ain Shams University**



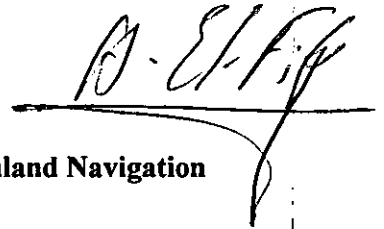
**3- Prof. Dr. Abd El-Fattah El-Fiky**

**Head of Irrigation and Hydraulics Dept.,**

**Prof. of Hydraulics, Harbor Engineering and Inland Navigation**

**Faculty of Engineering**

**Ain Shams University**

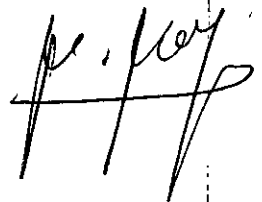


**4- Prof. Dr. Abd El-Mohsen El-Mongy**

**Prof. of Harbor Engineering and Inland Navigation**

**Faculty of Engineering**

**Ain Shams University**





## **ACKNOWLEDGMENT**

I wish to express my deep gratitude to *Prof. Dr. Abd EL-Fattah EL-Fiky*, Head of Irrigation and Hydraulics Department, Professor of Hydraulics, Harbor & Coastal Engineering and Inland Navigation for his kind supervision, support, guidance, help, encouragement and useful suggestions since the start of the work.

I am deeply indebted to *Prof. Dr. Abd EL-Mohsen EL-Mongy*, Professor of Harbor & Coastal Engineering and Inland Navigation for his constant supervision, planning, generous support, helpful advises and constructive criticism throughout this work.

Special thanks and gratitude to *Dr. Sonia Youssef EL-Serafy*, lecturer in Irrigation and Hydraulics Department for her kind, long discussion and the revision of the manuscript.

I wish to extend my thanks to *my colleagues and all the staff* of Irrigation and Hydraulics Department, Ain Shams University, for their help and encouragement.

Special appreciations and deep gratitude to *all my family* for giving me encouragement, time and patience to complete my research

Special grateful to *my father and my mother* for their kind cooperation and support.



## STATEMENT

This dissertation is submitted to Ain Shams University for the degree of Master of Science in Civil Engineering .

The work included in this thesis was carried out in the Department of Irrigation and Hydraulics, Ain Shams University, from January, 1994 to June, 1996.

No part of this thesis has been submitted for a degree or a qualification at any other University or Institution.

Date : 13 / 6 / 1996

Signature : Mohamed Khairy

Name : Mohamed Khairy EL-Kamash

