



Preparation, characterization and studying the physico-chemical and mechanical properties of some natural and synthetic blends and their nano-composites with silica and montmorillonite nanoparticles.

Thesis

Submitted to

Chemistry Department
Faculty of Women's for Arts, Science and Education
Ain Shams University

**For M.Sc.
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2016



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Acknowledgement

In the name of ALLAH, the merciful

First and foremost, I offer my sincerest gratitude to Prof. Dr. Nadia G. Kandile, Prof. of organic chemistry, Chemistry Department Faculty of Women's for Arts, Science and Education, Ain Shams University. Who has supported me throughout the course of this work with her patience and knowledge. I attribute the level of my Master's degree to her encouragement and effort and without her this work, too, would not have been completed or written. One simply could not wish for a better or friendlier supervisor.

Deep gratitude to Prof. Dr. Mahmoud A. Abd El-Ghaffar Prof. of Chemistry and Technology of Polymers and Pigments, President of the Egyptian Society of Polymer, Science and Technology, National Research Centre. Who has suggested the study of work and support it with materials. And thanks him for his valuable advices, guidance and assistance in carrying out this research.

Also the author is indebted to Prof. Dr. Mahmoud K. Mahmoud, Director of Electromechanical Inst, Head of Analysis and Consulting Unit, National Center for Housing & Building Research for his valuable advices in both work and written, guidance and assistance in carrying out this research.

Special thanks to Dr. Hassan M. Ibrahim, National Research Centre, for his support in analysis of the research and his advices.

Special thanks are also due to Technology Center, Ain Shams University and National Center for researches for their great help in the analyses of the research samples.

Dedication

TO MY PARENTS

Who always pitched me up on time and encourage me to go on every adventure, especially this one

TO MY DEAR HUSBAND

For his continues support, encouragement and help, what I love about my husband is that he really allows me to be the best person I can.

TO MY FAMILY

A person owns family is, without doubt, the greatest wealth that we will ever possess.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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