



*Ain Shams University
Faculty of Women for
Arts, Science and Education
Physics department*

*“Evaluation of the Physico – Mechanical properties of
cementation mortar with nanoadditives as a γ -ray shield”*

Presented By

Sahar Ahmed Fouad Abd El-Haleem Abdo El-Ghrbawy

In partial fulfillment of the requirements for the degree of

M.SC. of Science (Radiation Physics)

A dissertation Submitted To

Physics Department

Collage of women for (Art, Science, and Education)

Ain-Shams University

(2016)



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Under the Supervision of

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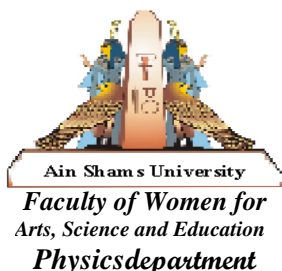
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Dedication



Dedication

To

My father and my mother

To

My brothers and my sisters

To

My husband and my son

To

My Friends

Acknowledgements



Acknowledgments

Foremost blessing, sacrist, thanks and praise are to **God** who bless me in terms of not envisage my desideratum of my life with his merciful guidance and propulsion me to go ahead in luminous pathway.

The work presented in this thesis would not have been possible without the help and support of numerous individuals. Many people contributed over the past years whether through direct collaboration, discussion and experimentation or in more personal ways such as friendship and stress relief.

I entrust to express my very gratefulness to my thesis advisor, **Professor DSC Mohamed Ali Ahmed**, at physics department, faculty of science, Cairo university, for giving me the opportunity to work with him and join his research group at the Materials Science Lab. (1), his oversight, insightful guidance, persistent support, enthusiastic encouragement throughout the thesis work, and giving me the opportunity to see my own ideas through to fruition. I wish for him may Allah mercy.

I am truly grateful for **Prof. Dr. Mervat Hassan Khalil** at building physics institute, Housing and building national research center (HBRC) for her unconditional supporting me in my research project. I have also benefited a lot from our frequent discussions in which her remarkable insights, her great help, guidance supervision, and encouragement through the all work and taught me the importance of a strong work ethic and sincere dedication necessary to achieve my goals.

Most importantly, I am particularly indebted my deepest thankfulness and appreciation to my advisor **Dr. Hayam Abd Elghany**

Prof. Assistant, at Physics Department, faculty of women for (art, science, and education), Ain Shams University, for her continuous help, encouragements and facilities offered by her throughout the work.

I pronounce thankfulness catchy phrases to **Asso. Prof. Dr. Samaa Imam El-Dek** for multi suggestions to solving encountered problems.

I manifestate my special thanks to all professors, my friends and other members of the building physical institute especially the thermal lab members at HBRC for being so supportive and helpful in every possible way.

Last, I would like to acknowledgement my private thanks to **my parents, my brothers and my sisters**, my husband **Saad Glaal** and my son **Mohamed**, their love gives me forces to perform this work.

To all these people, my sincere thanks!

Sahar El - Ghrbawy



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