



Ain Shams University  
Faculty of Woman for Arts,  
Science and Education  
Cairo, Egypt.

***Removal of water pollution by non-  
irradiated and gamma irradiated Na-A  
synthetic zeolites***

**A Thesis**

Submitted for Partial Fulfillment of the Requirement For The  
Degree of Master of Science (Physical Chemistry).

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*To my mother, father, my  
lovely husband and all my  
family*

*I am very grateful to all of  
you for your support,  
kindness and love*

*walaa*





## إزاله الملوثات من الماء باستخدام الزيوليتات المصنعه قبل وبعد التعرض لأشعه جاما

مقدمة من

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(رسالة ماجستير)

اسم الطالبة : ولاء مؤنس محمد عسكر

عنوان الرسالة : إزالة الملوثات من الماء باستخدام الزيوليتات  
المصنعة قبل وبعد التعرض لأشعه جاما

اسم الدرجة : ماجستير في العلوم (كيمياء فيزيائية)

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الجامعة: عين شمس

سنة التخرج: مايو ٢٠٠٣

سنة المنح: ٢٠١٣

## ACKNOWLEDGMENT

Praise and thanks be to Allah, the most merciful for assisting and directing me the right way.

I would like to express my sincerest thanks to **Prof Dr. Nadia A. Youssef**, Professor of Physical Chemistry, Chemistry Department, and College for Girls for Arts, Science and Education, Ain Shams University for continuous supervision, advice and support.

I would like also to express my deepest gratitude to **Prof. Dr. M. M. Selim, Professor** of Physical Chemistry, Department of Physical Chemistry, Surface Chemistry and Catalysis lab, National Research Center for suggesting the point of this research and for his continuous advice and enhancement throughout this work.

I would like also to express my thanks to **Dr. Ahmad Shafiek Nada**, Assistant Prof. of Physiology, National Center For Radiation Research and Technology (NCRRT), Atomic Energy Authority, for his help and advice during the work.

I would like also to express my thanks to my college Dr. Fatma and Hend for these valuable discussion and continuous supervision.

Last, but not least, I would like to thank my family especially my mother, father, my lovely husband and my child for their continuous love, encouragement, and support that kept me motivated during my studies and I give this work for them and all my family.



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