



# **Natural Polymer–Carbon Nanotube Composites Prepared by Gamma Radiation for the Removal of Some Radionuclides**

*A Thesis submitted*

*By*

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*For*

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**To  
Chemistry Department  
Faculty of Science, Ain Shams University  
For Philosophy Doctor in Organic Chemistry  
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## **Approval Sheet for submission Ph.D. Thesis**

**Name of candidate:** Islam Mohamed Abdelmonem Mohamed

**Degree:** Ph.D. in chemistry

**Thesis title:** Natural Polymer–Carbon Nanotube Composites  
Prepared by Gamma Radiation for the Removal of  
Some Radionuclides

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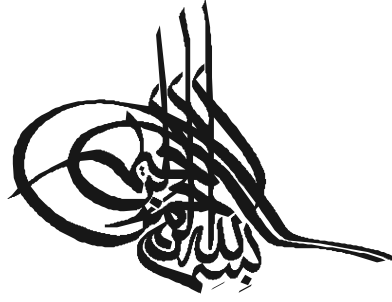
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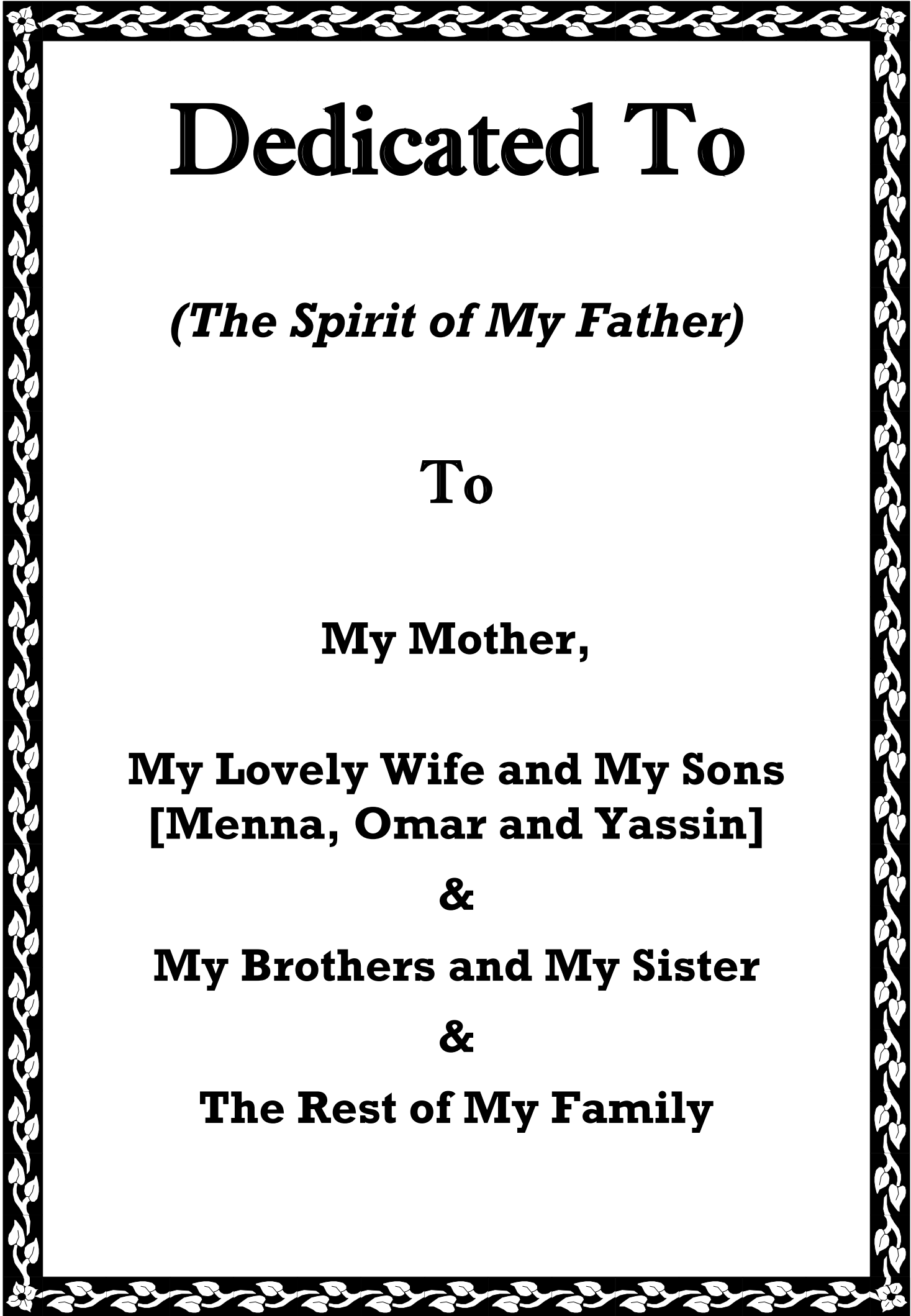
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وَكَانَ فَضْلُ اللَّهِ عَلَيْكَ عَظِيمًا ﴿

سورة النساء  
آية 113





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# Dedicated To

*(The Spirit of My Father)*

To

**My Mother,**

**My Lovely Wife and My Sons  
[Menna, Omar and Yassin]**

**&**

**My Brothers and My Sister**

**&**

**The Rest of My Family**



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