



Ain Shams University  
Faculty of Women for Art,  
Science & Education  
Botany Department

***Evaluation of Morphological and Ultrastructure  
Effects of Nanoparticles on Some Microbial Cells***

**A thesis**

Submitted in Partial to Fulfillment of the Requirements for Degree of

**Master of Science in Microbiology**

**By**

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B. Sc Microbiology and Chemistry 2010

To Botany Department, Faculty of Women for Arts, Science &  
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**2017**



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**Title:** Evaluation of Morphological and Ultrastructure  
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## **DECLARATION**

This thesis has not been previously submitted for a degree at this or any other university, and is the original work of the writer

Eman Mohamed Elsayed.

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## ***DEDICATION***

Special thanks and gratitude to **my mother, Mrs. Maryam Ahmed, and my father Mr. Mohammed Elsayed** for their love and great support, encouragements, patience, and help, which surrounded me by their forever love.

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Eman Mohammed Elsayed

2017

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*Signature:*

*Eman Mohammed Elsayed*

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