



Faculty of Science  
Chemistry Department



# **Bioleaching – Extraction studies of some metal values from the mineralized younger granite of El Missikat – Central Eastern Desert – Egypt**

**A Thesis**

"Submitted for the degree of Master of Science as a partial fulfilment for requirements of the master of Science"

By

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**2016**



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Thesis submitted by

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For the degree of M.Sc of science in  
Inorganic chemistry

To

Department of Chemistry  
Faculty of Science  
Ain Shams University  
**2016**



Faculty of Science  
Chemistry Department

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## Statement

This thesis is submitted in partial fulfillment of the M.Sc Degree, Faculty of Science, Ain Shams University

In addition to the work carried out in this thesis the candidate, **Shimaa Magdy Abd El Latiff**, has attended postgraduate studies in the following topics and passed successfully in the final examination in the academic year 2009-2010:

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## Dedication

To my parents Magdy Abd El Latiff and  
Salwa swify

The reason for what I am today.  
Thanks for your continuous  
endless love, support and care.  
Thanks because you never stopped  
believing in me.

To my wonderful sister Abeer

I am truly thankful for having  
you in my life. Thanks for your  
love, patience, and support.

To my awesome brother Mohamed

Special thanks for his kind support  
and  
contribution to the success of my  
studies.

*Shimaa Magdy*



## Acknowledgement

*First of all, I deeply grateful to Allah for giving me the wisdom, knowledge and strength to complete this work successfully.*

*I would like to express my deepest gratitude to my supervisor, **Prof. Dr. Omneya M. El Hussaini** , Professor of chemistry, Nuclear Materials Authority, for giving me the opportunity to work in this field and for giving me the chance to be one of her students. I learned from her insight a lot. Her guidance helped me in all the time of research and writing of this thesis. I could not have imagined having a better advisor and mentor for my master study. She did not only guide this work and find time to discuss with me but also gave me the confidence to express my ideas freely. Her leadership, support, attention to detail, hard work have set an example I hope to match someday. Actually she was more than a supervisor, she was a teacher who inspired me and pushed me forward.*

*I wish to express my sincere thanks to **Prof. Dr. Mostafa M. Khalil**, Professor of Inorganic and analytical chemistry, Faculty of Science, Ain Shams University, for his help, supervising , encouragement and support in the thesis.*

*I would also like to thank **Dr. Maisa Mohamed Amin**, assistant professor of Microbiology, Nuclear Materials Authority for her help, cooperation and support during the research.*

*Special thanks to **Dr. Galal Dabour**, assistant professor at Nuclear Materials Authority for his great help and support since I have joined the Authority.*

*My special appreciation and respect to **Dr. Waleid Mahmoud** , Lecturer of Chemistry, (NMA),for his assistance, support and great effort during this research, this thesis can't be finished without his sincere help and cooperation.*

*I would like to express my deepest appreciation and sincere gratitude to all people who helped me, supported me and encouraged me throughout this work.*

*Finally, I would like to express my thanks to all friends in the Nuclear Materials Authority and my colleagues specially my best friend **Mariam Osama** who helped me and encourage me to complete this work.*



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