



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

USE OF SOME INDUSTRIAL WASTE PRODUCTS FOR THE PRODUCTION OF LOW COST CEMENT

A Thesis

submitted to the Chemistry Department,
Women's Faculty, Ain Shams University.
In partial Fulfillment of the Requirements for
The Degree of M.Sc. in Inorganic and Analytical Chemistry

Peresented by

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(B.Sc.2013)

Supervised by

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(2017)



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Thesis title : " Use of Some Industrial Waste Products
for The Production of Low Cost Cement "

Degree : M.Sc. Degree in Inorganic and Analytical
Chemistry.

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NOTE

Beside the work done in this thesis, the candidate has attended post-graduate courses for one year in inorganic and analytical chemistry including the following topics:

- | | |
|--|-------------------|
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| -Cement | (CHEM 632) |
| -Radiation Chemistry | (CHEM 632) |
| -Writing scientific research | (CHEM610) |
| -Spectroscopy | (CHEM 630) |
| -Ethics of Scientific Research | (CHEM 620) |
| -Structural inorganic chemistry | (CHEM 636) |
| -Advanced reaction mechanism | (CHEM 634) |

She has successfully passed written examinations in the above mentioned topics.

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كلية البنات للأداب والعلوم والتربية

قسم الكيمياء

إستخدام بعض المخلفات الصناعيه لإنتاج أسمنت قليل التكلفة

رساله مقدمه من

نورهان نبيل قاسم سليمان

للحصول علي درجه الماجستير

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