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**STUDIES ON SOME SURFACE PROPERTIES OF  
COPPER AND NICKEL COMPLEXES  
SUPPORTED ON SILICA**

A Thesis presented to the  
Faculty of Science  
Ain Shams University

**By**

***Mohammed Abdel Hay Ahmed***

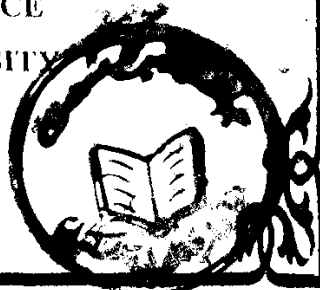
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**Studies on Some Surface Properties  
of Copper and Nickel Complexes  
Supported on Silica**

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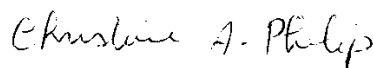
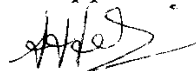
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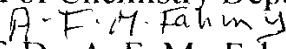
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## **The Theoretical Curricula For The Degree .**

In addition to the work carried out in this thesis , the student has attended and passed the examinations successfully in post - graduate courses for one year in physical chemistry including the following topics :

1. Surface Chemistry .
2. Statistical Thermodynamics .
3. Advanced Chemical Kinetics .
4. Advanced Catalysis .
5. Quantum Mechanics .
6. Polymer Chemistry .
7. Cement Chemistry .
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