Ain Shams University
Faculty of Science
Chemistry Department

Preparation and characterization of some nanomaterials and its application as optical sensor for some materials of Industrial potential

A Thesis
Submitted for the Degree of Master of Science
As Partial Fulfillment for Requirements of Master of Science
"Chemistry Department"

By

Mohamed Eissa Mohamed Mohamed Negm

B.Sc. in Physics & Chemistry, Faculty of Science
Ain Shams University
2009

Under Supervision of

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Professor Dr of analytical Chemistry, Faculty of Science, Ain Shams University

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Professor of analytical Chemistry, Faculty of Science, Ain Shams University

Prof. Dr. *Nahed Mohmed Nor - Eldin*
Professor of physiology of the plant environment, Desert Research Center

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Approval Sheet

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