



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية  
@ ASUNET



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد أعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

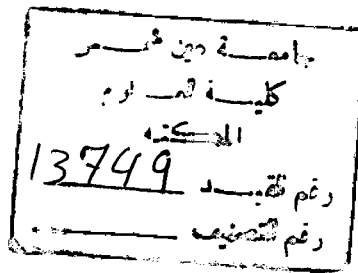
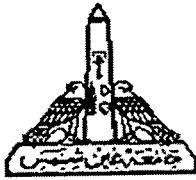
في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

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15-25- c and relative humidity 20-40%

# بعض الوثائق الأصلية تالفة

# بالرسالة صفحات لم ترد بالاصل





# Determination of Optical and Thermal Properties of Nanoparticles using Photoacoustic Technique

A Thesis

Submitted as a partial fulfillment for requirements of the Faculty of Science for the degree of

M. Sc. in Physics

By

**Ahmed Shehata Ahmed Hassanien**

B. Sc. 2004

  
**Prof. Dr. Hassan Talaat**

Professor of Physics  
Faculty of Science  
Ain Shams University

Supervised by

  
**Prof. Dr. Sohair Negm**

Professor of Physics  
Faculty of Engineering (shoubra)  
Benha University

**Prof. Dr. Saied Abdallah**

Professor of Physics  
Faculty of Engineering (shoubra)  
Benha University



2015

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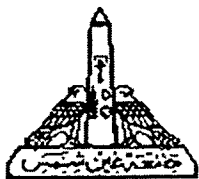


## بِسْمِ الرَّحْمَنِ الرَّحِيمِ

﴿٣٠﴾ وَعَلَّمَ آدَمَ الْأَسْمَاءَ كُلَّهَا ثُمَّ عَرَضَهُمْ عَلَى الْمَلَائِكَةِ  
 فَقَالَ أَنْبِئُونِي بِأَسْمَاءِ هَؤُلَاءِ إِنْ كُنْتُمْ صَادِقِينَ ﴿٣١﴾ قَالُوا  
 سُبْحَنَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ  
 ﴿٣٢﴾ قَالَ يَتَذَكَّرُ أُنْثَاهُمْ بِأَسْمَائِهِمْ فَلَمَّا أَنْبَأَهُمْ بِأَسْمَائِهِمْ قَالَ  
 أَلَمْ أَقُلْ لَكُمْ إِنْ أَنْبَأْتُكُمْ غَيْبَ السَّمَوَاتِ وَالْأَرْضِ وَأَعْلَمُ مَا  
 تُبْدُونَ وَمَا كُنْتُمْ تَكْتُمُونَ ﴿٣٣﴾







## Approval Sheet

**Student Name:** Ahmed Shehata Ahmed Hassanien

**Thesis Title:** Determination of Optical and Thermal Properties of Nanoparticles using Photoacoustic Technique.

**Degree:** Master of Science (Physics).

**Supervision Committee:**

**Prof. Dr. Hassan Talaat**

Faculty of Science - Ain Shams University.

**Prof. Dr. Sohair Negm**

Faculty of Engineering (shoubra)- Benha University.

**Prof. Dr. Saied Abdallah**

Faculty of Engineering(shoubra) - Benha University.

## Higher Studies

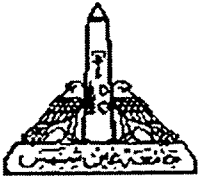
Thesis Approval Date:                      /                /

Faculty Council Approval: / /

University Council Approval:                 /                 /







**Student Name:** Ahmed Shehata Ahmed Hassanien

**Degree:** Master of Science (Physics)

**Department:** Physics

**Faculty:** Science

**University:** Ain Shams

**Graduation Year:** 2004

**Thesis Approval Year:** 2015



# Acknowledgment

*All gratitude at first and at last is to Allah,*

I wish to express my appreciation to my supervisor, ***Prof. Dr. Hassan Talaat*** for suggesting this point for research. I would also like to thank him for his guidance all through this work.

I would like to express my gratitude to my supervisor ***Prof. Dr. Sohair Negm*** for her constant encouragement, guidance, and enriched discussions throughout this study.

My deep thanks to ***Prof. Dr. Saied Abdallah*** for his continuous help, support and guidance which has steered me toward my destination.

I would like to thank ***Dr. Mona Bakr*** (NIELS) for her support, guidance and the opportunity she gave me to carry out this work, and also for her unreserved suggestion and endless help not only in this research, but also in my personal life.

My thanks are also to ***Dr. Tamer Abdallah*** (ASU), ***Dr. Tarek Ahmed*** (ASU), ***Dr. Khaled Esawi*** (BU), ***Dr. Noha*** (ASU), ***Dr. Ali Okasha*** (NRC), and ***Dr. Ahmed Bakr*** (HU) for their sincere help, and useful discussions had been of great support to me.



I am grateful for all my colleagues at NanoTech Egypt, Bahgat group specially *Dr. Aman-Allah, Chem. Ahmed Sadek* and *Phys. Ahmed Nabil* and at faculty of engineering, Benha university: *assis. teach. Ahmed Khaled, Mohamed Nabil and Eng. Amr Hussein.*

It is a blessing to have studied with prof. Talaat's group. I would like to thank them for their sincere help especially for *assis. lect. Hend Awad*. Also thanks for my colleagues *Mahmoud Saad, Heba* and finally *Rana*.

Most importantly, I want to thank my parents and my parents in law, my sister and my brother for their constant encouragement and endless help.

I am especially and deeply grateful to my lovely wife, she was patient, helpful, and she offered willingly all the attention and supportive care along this work. I would like to thank her and my beloved son *Yassien*.