

## Curriculum Vitae C.V

**Full Name :** najat A.Dahham .

**Place and Date of birth:** Baghdad – Iraq 1/12/1970.

**Sex :** female .

**Nationality :** Iraqi .

**Marital status :** married .

**E-mail:** [najat\\_200570@yahoo.com](mailto:najat_200570@yahoo.com) ; [dr.najat1970@tu.edu.iq](mailto:dr.najat1970@tu.edu.iq) ;  
[dr.najat1970@gmail.com](mailto:dr.najat1970@gmail.com)

**Mobile:** 00964 7705854252

**Language (spoken):** Arabic (mother language) / English (good).

**Language writing:** Arabic (mother language) / English (good) .

**Date and place of awarded the B.Sc :-** Baghdad University – College of Education Ibn Al-Haytham –department of physics – 1992 .

**Date and place of awarded the M.Sc :-** Baghdad University – College of Education Ibn Al-Haytham –department of physics – 1997 .

**Title of the M.Sc thesis:** ( Study the physical properties of carboxy methyl cellulose by using ultrasonic technique .

**Date and place of awarded the ph.D:-** Baghdad University – College of Education Ibn Al-Haytham –department of physics – 2007.

**Title of the ph.D thesis:** (The Effect of Heat Treatment on the properties of Alumino-Silicate Ceramic) .

### Academic rank

1. Physical Assistant 9/12/1992
2. Assistant of lecture 13/1/1998
3. Lecture 18/6/2007
4. Assistant prof. 18/6/2010
5. Professor 18/3/2017



### **Employee:**

- **I worked as Physical Assistant in the Department of Physics- college of Education Ibn Al-Haytham, Baghdad University from 1992 to 1995.**
- **I worked as Assistant of lecture in college of Education Ibn Al-Haytham, Baghdad University from 1997 - 2002.**
- **I worked as Lecture in college of Science, Tikrit University from 2007 - 2009.**
- **I worked as Assistant professor in college of Science, Tikrit University from 2010-2018 .**
- I worked as professor in college of Science, Tikrit University from 2018-until now**
- **I worked as Ass. head of physics department in college of science from 2008 -2012.**
- **Rapporteur of the Graduate Department of Physics, College of Science from 2012 untilnow.**
- **I worked as Head of the Department of Physics in college of science agency for 4 month .**

### **Published Reserech:**

1. Najat A. Dahham, "Influence of cobalt substitution on the properties of  $\text{Ni}_{0.95-x}\text{Co}_x\text{Cu}_{0.05}\text{Fe}_2\text{O}_4$  ferrite nanoparticles", *Iraqi Journal of Physics*, 16(38): 42-55,2018.
2. Shaymaa Mohammed Fayyadh , Sahar Naji Rashid , Najat Ahmed Dahham and Fouad Nihad Abdel , " Studying the effect of compressing pressure and laser surface treatment on the properties of  $\text{AlNiMgO}$ ", *Al-Kufa University Journal for Biology* 10 (1 ) 2018.
3. Amjad Hussen Jassem, Hanaa E. Jassem , Shihab Ahmaed Kalaf and Najat A. Dahham, " Effect of wafer resistivity and light intensity on

the topography of porous silicon surfaces produced by photo chemical method", *Tikrit Journal of Pure Science* 23 (6) 2018

4. Yaseen. H. Mahmood, Najat .A. Dahham , Yousra Kathim Sultan Al Azzawi," Design, Fabrication, and study of Solar Parabolic Trough for solar thermal Applications in Tikrit, Iraq", Proceedings of the First International Conference and Scientific Third of College of Science - University of Tikrit 17 – 18 Dec. 2018 / (Part4 ) pp.161-168
5. Najat ahmed Dahham Abdullah hamoud faris, Sahmee saeed ali,"Theoretical study of thermodynamic properties of ZnS by using materials studio program", Proceedings of the First International Conference and Scientific Third of College of Science - University of Tikrit 17 – 18 Dec. 2018 / part1 ,pp. 208-213.
6. N.A.Dahham," Annealing temperature effect on the Structure, Morphology and Optical properties of Copper Oxide CuO thin Films" *Tikrit Journal of Pure Science* 22 (6) 2017
7. Najat A. Dahham, Abdul-Samee Fawzi Abdul-Aziz, Atyaf Sabah Khalaf Jasim, " *Fabrication And Studies Of structural, Dielectrical Properties Of (Ni<sub>0.95-x</sub>Co<sub>x</sub>Cu<sub>0.05</sub>Fe<sub>2</sub>O<sub>4</sub>) Composites by Powder Technology Method*" , *Tikrit Journal of Pure Science* 22 (11) 2017.
8. Najat A. Dahham ,Abdullah Hamoud Fares , Khaled Abdullah Najem , " Modeling and simulation of mechanical and physical properties of Barium orthotitanate (Ba<sub>2</sub>TiO<sub>4</sub>) composite by Materials Studio ( MS)" , *Tikrit Journal of Pure Science* 22 (11) 2017.
9. N.A.Dahham ,Ali Esmaeel , Nawal Ali Abed ,"Effect of Al doping on the Structural properties of SnO<sub>3</sub> thin films prepared by (sol-gel) method , *Tikrit Journal of Pure Science* 21 (3) 2016
10. N.A.Dahham , "Study of the Optical properties for CdS before and after irradiated by CO<sub>2</sub> laser for different exposure times", *Tikrit Journal of Pure Science* 20 (2) 2015
11. Sabah Mahmuoud Aman Allah ,Luma saad Abdual Baqi ,Najat Ahmad Daham, Saif Amear Mahdyi," Implantation profile for low energy positrons in diamond " *AL-Qadisiya Journal For Science* ,19 (4 ) , 2015
12. Najat A.Dahham, Study optical properties for PbS thin films before and after irradiation by CO<sub>2</sub> laser ", *Tikrit Journal of Pure Science*, Vol.19 No.(5)2014.

13. Rasha A. Abdullah, Faris S. Atallah, Najat A. Dahham, Mohammed A. Razooqi, Eman M. Nasir, Nada M. Saeed, " The Electrical Conductivity and Thermoelectric Power Dependence on the Thicknesses for Thermally Deposited Thin CdS Films ", AIP conference proceedings ,vol.1476,p.p.351-355,2012.
14. Najat A. Dahham , Awatif S. Jassim, Aliaa najah Sannodi, Ghaidaa Kaain Salih, "Study optical properties for PbS thin films irradiation by CO<sub>2</sub> laser ", proceeding of the second Scientific conference college of Science 25-26 Sep. 2012.
15. najat A. Dahham " Study of the Optical properties for CdS thin film before and after irradiated by CO<sub>2</sub> laser " , proceeding of the first Scientific conference college of Science 29-30 Sep. 2009
16. Dunia K. Al-Nasrawy , Najat A. Dahham , Abdulhadi kadhim Judran " Study the effect of kaolin addition on some physical and mechanical properties of  $\alpha$ -SiC powder " , Tikrit Journal of Pure Science, Vol.15 No.(1)2010.
17. N. A. Dahham, A. Kh. AL-Rawi, G. H. Mohamad " Comparison Study between the Effect of (He-Ne) Laser Irradiation and Heat Treatment on the Optical Properties of Dichromium Trioxide Thin Film ", Ibn Al-Haitham journal for pure & Applied Science , Vol.23 No.(3)2010.
18. A. S. Jassim, N. A. Dahham, M. Sh. Marie " Study of the Optical properties for ZnS thin film irradiated by CO<sub>2</sub> laser ", Ibn Al-Haitham journal for pure & Applied Science , Vol.23 No.(3)2010.

### **Instruction**

- Solid State Physics for Undergraduates and Graduates
- electrical & magnetic for Undergraduates
- electromagnetism theory for Undergraduates and Graduates
- material Science for Undergraduates and Graduates
- computer.
- English language for Undergraduates and Graduates

### **Supervising graduate students**

1. **Student Name:** *Nawal Ali Abed*

**Thesis Title:** Effect of Doping on the Structure and Optical properties on Tin oxide (SO<sub>2</sub>) thin films prepared by sol-gel method.

**Supervisors :** Ass. Prof .Dr. Najat Ahmed Dahham, Ass. Prof.Dr. *Ali Esmaeel* Saleh Hameed, Master of Science Physics ,2016.

2. **Student Name:** Nawras Sabhan Mohammed

**Thesis Title:** منحنى كومبتن لتركيب بلوري نوعي للنیکل والتیتانیوم وسبائکهما

**Supervisors :** Prof. Dr.Fareed Majeed Mohammed , Ass. Prof .Dr. Najat Ahmed Dahham, Master of Science Physics ,2016.

3. **Student Name:** Atyaf Sabah Khalaf Jasim

**Thesis Title:** Fabrication and Studies of Structural, Mechanical and Electrical Properties of Composites ( Ni<sub>0.95-x</sub>Co<sub>x</sub>Cu<sub>0.05</sub>Fe<sub>2</sub>O<sub>4</sub>) prepared by Powder Technology Method

**Supervisors :** Ass. Prof .Dr. Najat Ahmed Dahham, Ass. Prof.Dr. Abdul-Samee Fawzi Abdul-Aziz, Master of Science Physics ,2017.

4. **Student Name:** Khaled Abdullah Najem

**Thesis Title:** A study of Structural and Mechanical properties of Barium Orthotitanate (Ba<sub>2</sub>TiO<sub>4</sub>) Composite Using Materials studio software

**Supervisors :** Ass. Prof .Dr. Najat Ahmed Dahham, Ass. Prof.Dr. Abdullah Hamoud Fares, Master of Science Physics ,2017.

5. **Student Name:** Sahmi Saeed Al

**Thesis Title:** A study of Structural , Mechanical ,Thermodynamic and Electronic properties of Zinc Sulphide (ZnS) Composite by Using (Materials Studio) software.

**Supervisors :** Dr. Najat Ahmed Daham and Dr. Abdullah Hamoud Mohmmmed , Master of Science Physics ,2018.

6. **Student Name:** Yousra Kathim Sultan Al-Azzawi

**Thesis Title:** Design and Fabrication of Parabolic Trough Solar Collector and Study Its Practical and Theoretical Efficiency

**Supervisors :** Dr. Najat Ahmed Daham and Dr. Yaseen H. Mahmood Mohmmed , Master of Science Physics ,2018.

**Importance links**

**Shcoler:**[dr.najat1970@tu.edu.iq](mailto:dr.najat1970@tu.edu.iq)

**Research Gate :**Najat Ahmed

**Publons :** [dr.najat1970@tu.edu.iq](mailto:dr.najat1970@tu.edu.iq)

**ORCID iD :** <https://orcid.org/0000-0003-2242-3680>