

# Curriculum Vitae

**Name:** Fouad Shakir Hashim Al-Jburi

**Date of Birth:** 01/01/1959

**Place of Birth:** Hilla

**Nationality:** Iraqi

**Material Status:** Married

**Language:** Arabic, English, and Russian

**Passport No.:** G1837609

**Academic Rank:**

a.Lecturer: 08/07/1990

b.Assistant Professor: 23/08/1998

c.Professor: 17/08/2013

**E-mail:** [Foad.hashim@yahoo.com](mailto:Foad.hashim@yahoo.com)

**Place of Work:**

Department of Physics - College of Science - Babylon University (1990-2001)

Department of Physics - College of Education for Pure Science - Babylon University (2001- till now).

**Qualification:**

1. B.Sc. (Physics), University of Al-Mustansiriya 1981, Iraq.
2. Ph.D. (Solid state Physics), University of Belarusian 1989, Belarus.

**Positions Held:**

1. Head of Physics Department, College of Education for pure science - Babylon University (1997- 2004).
2. Assistant Dean of College of Education for pure science - Babylon University (2002- 2003).
3. Director of Registration and Records, College of Education for pure science - Babylon University (2004 - 2006).

**Courses Taught**

**A- Undergraduate:**

- 1.Solid state Physics at University of Babylon, Iraq.
2. Applied Physics at University of Babylon, Iraq.
3. Heat and Thermodynamic at University of Babylon, Iraq.
4. Electricity and Magnetism at University of karbala, Iraq.
5. Sound and wave motion at University of Babylon, Iraq.
6. Classical Mechanics at University of Al- Kufa, Iraq.

7. Materials Science at University of Babylon, Iraq.

**B- Postgraduate: Higher Diploma .**

1. Fundamental Materials Science at University of Babylon, Iraq.

**C-Postgraduate: M.Sc.**

1. Advance Solid state Physics at University of Babylon, Iraq.

2. Semiconductor Devices at University of Al- Kufa, Iraq.

3. Research Procedure Course at University of Babylon, Iraq.

4. Composite Materials at University of Babylon, Iraq.

5. Materials Science at University of Babylon, Iraq.

**Title of the Ph.D. Thesis:**

*“Structural and Transition Properties of Thin Layers of Bi and its Alloys”*,  
University of Belarussian 1989, Belarus.

**Supervision of Ph.D. Thesis**

V. G. Shepelavech, University of Belarussian, Minsk.

**Publications:**

1. V. G. Shepelavech, and Foaad Sh.Hashim, **Structural and electro -physical properties of thin layer of Bi-Te alloys prepared by quenching from liquid phase**, *Non-organic materials, Minsk, No.10, (1990)*.
2. V. G. Shepelavech, and Foaad Sh.Hashim, **Structural and Transition Operations in Layers of Bi and Bi-Sb Alloys Prepered by Quenching from Liquid Phase**, *J. Vestnic of Belarussian university, No. 1, (1990)*.
3. V.G. Shepelavech, and Foaad Sh.Hashim, **Structural and Transition Properties of Thin Layers of Bi-Te Alloys**, *Belarussian university Journal, No. 26,(1990)*.
4. Foaad Sh.Hashim ,**Account and study the variable of optical energy gap of CdSe films as a function of annealing temperature and thickness**, *Journal of Babylon University , No.3, (1999)*.
5. Foaad Sh.Hashim, **Thin Layers Microhardness for Bi-Zn Alloys** ,*Journal of Babylon University , No.3, (2002)*.
6. Foaad Sh.Hashim, **Structural and transport properties of thin layers of Bi-Sb Alloys**, *Journal of Babylon University , No.3, (2002)*.
7. Foaad Sh.Hashim , and M.A, Hapeep, **Study the structure and optical energy gap of CdSe<sub>1-x</sub>Te<sub>x</sub> Thin Films under different condition**, *Journal of Babylon University , No.3, (2006)*.

8. Khalid H. Abass, and Fouad Sh. Hashim, **Novel Preparation of Antireflection Nanofilms from Al- Ni-Cr Alloy**, British Journal of Science, No.1, (2012).
9. Khalid Al-Amar , Hamad R, and Fouad Sh. Hashim, **Electronic Structure of Gallium Arsenide Under Pressure**, ATTI DELLA "FONDAZIONE GIORGIO RONCHI, No.2, (2012).
10. Foaad Sh.Hashim, **Enhancement of mechanical properties for reinforced Iraqi bentonite clay polyvinyl chloride composite using ultrasonic technique**, Chemistry and Materials Research ,No.6, (2012).
11. Abdul-Kareem J. Al-Bermamy, Fouad Sh. Hashim, and Ehssan D. Al-Bermamy, **Enhancement the mechanical properties of a product porcelain by a ceramic additives using ultrasonic technique**, Chemistry and Materials Research ,No.6, (2012).
12. Foaad Sh. Hashim, **preparation of PVC composite using reinforced Iraqi bentonite clay as a filler & study their mechanical and thermal properties**, Journal of Baghdad for science, No.3, (2012).
13. Fouad SH. Hashim, **INVESTIGATION THE EFFECT OF ANNEALING ON THE OPTICAL PROPERTIES OF Al-Ni-Cr NANOFILMS**, European Journal of scientific research, ,No.4, (2013).
14. Fouad Shakir Hashim, Majeed Ali Habeeb, Ihsan Razooqi Ghanim, **Effect of zinc on structural and some optical properties of CdS thin films**, Chemistry and Materials Research, Vol.3 No.12, (2013).
15. Abdul-Kareem J. Al-Bermamy, Foaad Sh. Hashim, and Haider H. Jassim, **Enhancement Mechanical Properties of Carboxymethyle Cellulose by Adding Polyacrylamide using Ultrasonic Technique**, Chemistry and Materials Research, Vol.6 No.5, (2014).
16. Abdul-Kareem J. Al-Bermamy, Foaad Sh. Hashim, and Haider H. Jassim, **Study the Effect of adding Polyacrylamide on Rheological and Mechanical Properties of Carboxymethyle cellulose Polymer as aqueous solutions**, Chemistry and Materials Research, Vol.22, (2014).
17. Abdul-Kareem J. Al-Bermamy, Foaad Sh. Hashim, and Raghad Mansour Abd, **Enhancement Mechanical Properties of Some Cosmetics and Their Effect on Human Skin by Ultrasonic Technique**, Advances in Physics Theories and Applications, Vol.37, (2014).
- 18.- Foaad Sh. Hashim & Noor A. Sami , " **Effect of Zn Doping on Structural and Some Optical Studies of Nano NiO Films Prepared by Sol-Gel Technique** ", International Letters of Chemistry, Physics and Astronomy, Vol. 53, pp 31-40, (2015) .

19. Foaad Sh. Hashim & Noor A. Sami , " **Effect of Cu Doping on Structural and Optical Energy gap of Nano NiO Films Prepared by Sol–Gel Technique** ", Journal of Babylon University, Vol. 24, No.6 pp 1572- 1584, (2016) .
20. Foaad S. Hashim\*, Mohammad H. Almaamori, Farah J. Hamood, " **Effect of Silica on the Mechanical Properties of Rubber Reclaim Composite**", International Journal of ChemTech Research, Vol.9, No.04, ISSN: 0974-4290 pp 325-333, 2016.
21. FOUAD SH. HASHIM & BURAAK K. KAHDUM, "EFFECT OF LI DOPING ON THE STRUCTURAL AND SOME OPTICAL STUDIES OF CdS THIN FILMS FABRICATED BY SOL–GEL TECHNIQUE", **IMPACT: International Journal of Research in Applied, Natural and Social Sciences**, Vol. 4, Issue 7, Jul 2016, 155-164.

#### **Books Author:**

1. **General physics (Mechanics- Electricity and Magnetism)**, 1<sup>st</sup> Edition, university of Babylon , Iraq, 2009 .
2. **Solved problems in Mechanics- Electricity and Magnetism**, 1<sup>st</sup> Edition, Al-Kufa university , Iraq, 2012.
3. **Effect of Non-Polar Group on Electro Optics Measurements**, 1<sup>st</sup> Edition, LAMBERT Academic publishing,(2016).

#### **Patent:**

1. '**Novel Preparation of Antireflection Nano films from Aluminum - Nickel – Chrome Alloy**', International Classification C23C18/00, Iraqi Classification 4 , No.3616 ,(7/7/2013).
2. '**Using of cement production waste and rubber reclaim of recycled tires to prepare a rubber composite material as a shock absorber for casting children playgrounds**', International Classification E04D5/08, Iraqi Classification 52 , No. 4564 ,(15/5/2016).

#### **Supervision of graduate students**

##### **For M.Sc**

1. '**Study of optical properties of CdSe thin films as a function of thickness**' , by Kahtan Abbas Noman , (1997).
2. '**The effect of molecular weight and temperature on response-optical times of Methacrylate based side chain liquid crystal polymers**' , by Adnan Falh Hassan , (1997).
3. '**Structural and electrical properties of pure and indium doped CdSe films**', by Nahida Bakhiat Hassan Al-Geaafry, (1998).
4. '**Effect of gamma-ray on some of physical properties of hydroxy ethyl cellulose and methyl cellulose**', by Abbas hadi Abbas , (1999).
5. '**Effect of preparation factors on the optical properties of CdO thin films**',

by Maged hussen dueech, (2000).

6. **'Study of optical properties of CdSe<sub>1-x</sub>Te<sub>x</sub> thin films under different condition'** , by Mageed Ali Habeeb, (2001).
7. **'Studying the effect of preparational parameters on the structural and Electrical properties of CdSe<sub>1-x</sub>Te<sub>x</sub>'**, by Ghusoon Jalil Ibrahim, (2001).
8. **'A study of physical properties of the high potential ceramic insulator'** , by Shurooq Sabbah Abid Al- Abbas , (2002).
9. **'Study of thermal conductivity and tensile stress for polymer-Kaolin composite'** by Shymaa Hadi Khudiar Al-Rubaie, (2005).
10. **' Enhancement of mechanical and thermal properties for PVC- reinforced Iragi bentonite clay composite'**, by Mohammed R. Khalil Altufayli , (2013).
11. **'Effect of zinc dopant on theStructural and Optical Properties of CdS thin films'**, by Ihsan Razooqi Ghanim Al-Shabeby, (2014).
12. **'Structural and Optical Properties of Undoped and Lithium Doped Nickel Oxide Thin Films by Sol-Gel Technique'**, by Khansaa Haleem Mohsin Al-murshedi, (2015).
13. **'Study of Physical Properties of some Cosmetics and their Effect on Human Skin'**, by Raghad Mansour Abd Sabti (2015).
14. **'Study the effect of adding polyacrylamide on some physical properties of carboxymethyl cellulose'**, by Haider Hassan Jassim, (2014)
15. **'Influence of the Non-Polar Group on the Properties of Polysiloxane Side Chain Liquid Crystal Polymers'**, by Ahmed Najm Obaid Al-Ghazali , (2015).
16. **'Effect of Additives Copper and Zinc on Some Physical Properties of Nano Nickel Oxide Films Deposited by Sol-Gel Method'**, by Noor Ali Sami Gelaoa, (2015).
17. **'Preparation of rubber composite materials by using power of tires remnant and studied the physical properties for casting kindergarten yards'**, by Farah Jabbar Hamood, (2016).
18. **'Structural, morphological and optical properties of CdS:Li,Al films prepared by sol-gel method'**, by Buraak K. Kahdum ,(2017).
19. **'Effect of (Ag,Pd) doping on structural, optical, and photocatalytic properties of ZnO nanoparticles'**, by Sabreen Jabur Salim, (2017).
20. **'Characterization of Thermal Vacuum Evaporation Lead Oxide (PbO) Thin Films'**, by Ameen Alwan Mhaimed , (2017).

### **For higher diploma**

- 1- 'Effect of clays reinforcing on some properties of polymer composite', by Hussein hyder Hussein , (2016).
- 2- 'Effect of filler particle size on some physical properties of polymer composite', by Lubna Hameed Dakhil, (2017).

### **For Ph.D**

- 1- **Preparation and study structural, optical, and electrical properties of Al-Ni-Cr thin film** , by Khalid Haneen Abass, (2012).

### **Conferences**

Local conferences: 26 participation

International Conferences: 8 participation