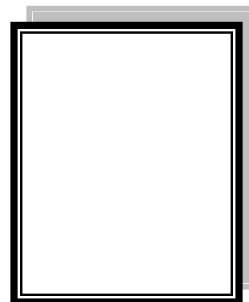


C.V



Name: Salma Mahdi Shaban

Religion: Muslim

Martial statues: Married

No. of children: 2

Specialization: Physics

Position: Instructor

Scientific Degree: Assist. Prof.

Work Address: University of Baghdad / Science College / Physics

Department

E-mail: selma_mehdi2000@scbaghdad.edu.iq

Or selmamehdi0@gmail.com

■ First, Scientific Certification:

| Degree science | University | College | Date |
|----------------|------------|---------|------|
| B.Sc. | Baghdad | Science | 1981 |
| M.Sc. | Baghdad | Science | 2000 |
| Ph.D. | Baghdad | Science | 2007 |
| Any other | | | |

 **Second, Career:**

| No. | Career | Workplace | From -To |
|-----|----------------------|------------------------------------|------------|
| 1 | Assistant physics | Science college-Baghdad University | 1981--1997 |
| 2 | M.Sc. Student | Science college-Baghdad University | 1997-2000 |
| 3 | Assistant Instructor | Science college-Baghdad University | 2000-2002 |
| 4 | Ph.D Student | Science college-Baghdad University | 2000-2007 |
| 5 | Instructor | Science college-Baghdad University | 2007-2010 |
| 6 | Assist. Prof. | Science college-Baghdad University | 2010-2012 |
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 **Third, University Teaching.**

| No. | University | The (Institute / College) | From -To |
|-----|------------|---------------------------|-----------|
| 1 | Baghdad | Science college | 1981-2012 |

■ **Fourth, Courses Which You Teach:**

| No. | Department | Subject | Year |
|------------|-------------------|---|------------------|
| 1 | Physics | General lab. + Electricity lab. | 1981-1986 |
| 2 | Physics | Electricity lab+ General lab. | 1986-1989 |
| 3 | Physics | Solid state lab. + General lab. | 1990-1991 |
| 4 | Physics | Atomic lab. + General lab. | 1992-2001 |
| 5 | Physics | Geology (First class) + General lab. | 2007-2008 |
| 6 | Physics | Electromagnetic Theory + Computer Lab. | 2008-2012 |
| | Physics | Mathematics + Computer Lab. | 2012-2013 |
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Fifth, Thesis which was supervised by :

| No. | Thesis Title | Depart. | Year |
|--|--|----------------|------------------|
| 1 | Study the Characteristics of CuInS₂ thin Films prepared by Electrochemical Deposition (M.Sc) | Physics | 2010 |
| 2 | Doping Effect on Optical Properties of Perovskite Oxides (M.Sc.) | Physics | 2012 |
| <u>Fourth Class Students projects</u> | | | |
| 1 | Prepared of Cd_{0.3}Sn_{0.7}Se thin films & Study its Electrical Conductivity | Physics | 2008-2009 |
| 2 | Prepared of GaN thin films & Study its Characteristics | Physics | 2009-2010 |
| 3 | Investigation the Dielectric Behavior of Cu_{0.5}Ti_{0.5}Tb_xFe_{2-x}O₄ Ferrites | Physics | 2009-2010 |
| 4 | Prepared of Sb Thin films & Study its Optical Properties | Physics | 2010-2011 |
| 5 | Prepared of ZnTe compound & Study Effect of Electrode on D.C Conductivity | Physics | 2011-2012 |

■ **Sixth, Conferences which you participated:**

| No. | Conferences Title | Year | Place | Type of Participation |
|------------|--|-------------|---|------------------------------|
| 1 | The First Kufa Scientific | 2010 | Kufa University | Research |
| 2 | The First Conference of Technology University | 2009 | Technology University | Research |
| 3 | 2nd Conference for Nano-technology and its applications | 2010 | Physics Department | Research |
| 4 | National Scientific Conference for Physics | 2010 | Physics Department | Research |
| 5 | 2nd Studymt Cycle for Physics | 2008 | Physics Department | Research |
| 6 | The First Conference of College of Science | 2009 | College of Science | Research |
| 7 | The Fourth Conference of University of Babylon / College of Basic Education | 2011 | University of Babylon / College of Basic Education | Research |
| | | | | |

■ **Seventh , Research Projects in The Felid of Specialization to**

The Environment and Society or the Development of Education:

| No. | Research Title | Publication Journal | Year |
|-----|--|---|-------------|
| 1 | Preparation of ZnTe compound and study of the structural and optical properties MATTI N. MAKADSI , RAAD M.S.AL-HADDAD, and SALMA M.SHABAN | ATTI DELA "FONDAZIONE GIORGIO RONCHI" ANNO LXIII, MATERIALI / Italy ANNO LXIII, N. 5 | 2008 |
| 2 | Optical properties of SeTe Thin Films Salma M. Shaban | Um – Salama Science Journal / Iraq V. 5 (4) | 2008 |

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|---|--|---|------------|
| 3 | <p>Effect of ohmic contact like Au and Al elements on D.C conductivity for Cd_{0.3}Sn_{0.7}Se thin films</p> <p>SALMA M. SHABAN and ESMAEIL A. ABBAS</p> | <p>ATTI DELA "FONDAZIONE GIORGIO RONCHI" ANNO LXIII, MATERIALI / Italy ANNO LXIV, N. 6</p> | 2009 |
| 4 | <p>A.C. Conductivity and Dielectric Behavior of ZnTe Thin Films,</p> <p>Salma M. Shaban and Raad M. S. AL-Haddad</p> | <p>Proceeding of 3rd scientific conference of the College of Science, University of Baghdad / Iraq</p> | 2009 |
| 5 | <p>Nano-Size Investigation of Grain Structure of Cd_{0.3}Sn_{0.7}Se Compound by Transmission Electron Microscopy and XRD Analysis</p> <p>Salma M. Shaban</p> | <p>A special Issue "The First Scientific Conference on Nanotechnology, Advanced Materials and Their Applications", (SCNAMA2009), The University of Technology Baghdad-Iraq</p> | 2009 |
| 6 | <p>Optical Properties of GaN Thin Films</p> <p>Salma M. Shaban, Salah Ed-Din Mansure</p> | <p>Iraqi Journal of Physics / College of Science, University of Baghdad / Iraq V. 7(8)</p> | 2009 |
| 7 | <p>INVESTIGATION OF STRUCTURAL AND OPTICAL PROPERTIES OF Sb₂S₃ THIN FILMS</p> <p>Salma M. Shaban</p> | <p>Journal of Al-Nahrain University, Science / Iraq V. 13(1)</p> | March 2010 |
| 8 | <p>Investigation of the Dielectric Behavior and A.C. Conductivity of Cd₂SnO₄ Compound</p> <p>Salma M. Shaban, Bushra Salman Mahdi and Raad M. S. Al-Haddad</p> | <p>Al- Mustansiriya J. Science / Iraq V. 22(1)</p> | 2011 |

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|----|---|---|------------------------------|
| 9 | <p>Fabrication and Study Zinc Sulfide Schottky Barrier Detectors</p> <p>Salma M. Shaban, Nada M. Saeed and Raad M. S. Al-Haddad</p> | <p>Indian Journal of Science and Technology / India V. 4(4)</p> | <p>April 2011</p> |
| 10 | <p>Characteristics Cd_{0.3}Sn_{0.7}Se Thin Films as Absorber Materials For Solar Cell Devices</p> <p>Salma Mahdi SHABAN, Raad Mohammad SALEH and Ahmed Saleh AHMED</p> | <p>Turk. J. Phys V. 35</p> | <p>2011</p> |
| 11 | <p>Electrochemical deposition of CuInS₂ Thin Films</p> | <p>Iraqi Journal of Physics / Iraq V. 9(15)</p> | <p>2011</p> |
| 12 | <p>Effect of Thickness On Optical Behavior Of Cd₂SnO₄ Thin Films</p> <p>Salma M. Shaban, Bushra Salman Mahdi and Raad M. S. Al-Haddad</p> | <p>Basic Education College Magazine for Educational and Humanities Sciences/ Issues by Basic Education College/ Babylon University</p> | <p>June No.7 2012</p> |
| 13 | <p>Effect of Thickness on Optical Behavior of Nano-crystalline CdS Thin Films</p> <p>Salma M. Shaban^{1*}, Basim M. Al-Abdally^{**}, and Raad M. S. Al-Haddad[*]</p> | <p>Instasci Journal of Physics / Australia V. 1(1)</p> | <p>2011</p> |
| 14 | <p>Effect of Annealing Temperature on Optical Behavior of CuInS₂ Thin Films Prepared by Electrochemical Depositing</p> <p>MAHDI H. SUHAIL, SALMA M. SHABAN, MUHAMMAD O. SALMAN</p> | <p>ATTI DELA "FONDAZIONE GIORGIO RONCHI" ANNO LXIII, THIN FILMS / Italy ANNO LXVI, N. 5</p> | <p>2011</p> |
| 15 | <p>EFFECT OF ELECTRODE TYPE LIKE (Au &Al) ON D.C. CONDUCTIVITY FOR ZnTe THIN FILMS</p> <p>Salma M.Shaban, Izzat M. Al-Essa, Sarah Hadi.</p> | <p>Instasci Journal of Physics / Australia V. 2(3)</p> | <p>2012</p> |

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|----|--|--|--------------------------------|
| 16 | <p>Effect the Thickness on Structural and Optical Paramteres of PbSe Thin Films Bushra A. Hasan, Issam M. Ibrahim, Salma M. Shaban Journal Impact Factor: 0.8</p> | <p>INDIAN JOURNAL OF APPLIED RESEARCH V. 3 Issue 3</p> | <p>March 2013</p> |
| 17 | <p>Enhancement of Junction Behavior of ZnO/ a-SiH / Polymer Thin Films For Organic Solar Cells Farah T.M. Noori, Salma M. Shaban, Raad M. Al-Haddad Journal Impact Factor: 6.28</p> | <p>Inernational Review of Physics V. 7 (2)</p> | <p>April 2013</p> |
| 18 | <p>Substitution Effect on Dielectric Permittivity and AC Conductivity of Bi_{2-x}(CuPb)_xSr₂Ca₂Cu₃O_{10+δ} Compound Salma M. Shaban, Bushra Salman Mahdi, Matti N. Makadsi, and Raad M. S. Al-Haddad</p> | <p>International Journal of Application or Innovation in Engineering & Management (IJAIEM) Volume 2, Issue 3,</p> | <p>March 2013</p> |
| 19 | <p>Effect of Thermal Neutron Irradiation on Optical Behavior of Cd_{0.3}Sn_{0.7}Se Thin Films Salma M. Shaban, Bushra Abd Al-Wahab Al-Jurani, Raad M. S. Al-Haddad Journal Impact Factor: 6.28</p> | <p>International Review of Physics V. 6 (6)</p> | <p>December 2012</p> |
| 20 | <p>AC Conductivity and Dielectric Behavior of CuZnSnO₄ Compound Prepared by Powder Technology Salma M. Shaban, Bushra Salman Mahdi and Raad M. S. Al-Haddad Journal Impact Factor: 0.88</p> | <p>Indian Journal of Pure & Applied Physics V. 51</p> | <p>November 2013</p> |
| 21 | <p>EFFECT OF DOPING ON D.C. CONDUCTIVITY FOR ZnS:Pb THIN FILMS Farah T. M. Noori, Salma M. Shaban, Zaidoon and Raad M. S. Al-Haddad Journal Impact Factor: 4.1710</p> | <p>International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 5, Issue 2,</p> | <p>February (2014),</p> |

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|----|---|--|------|
| 22 | <p>Effect of Pb dopant On A.C mechanism of ZnS thin films</p> <p>Salma M. Shaban</p> | <p>Iraqi Journal of Physics, Vol.12, No.25, PP. 80-88</p> | 2014 |
| 23 | <p>Effect of pyridine and pyridine with substituent on the optoelectronic spectrum of nanoparticles CdS prepared by liquid – liquid interface reaction</p> <p>Salma M. Shaban, K. T. Al-Rasoul, A. S. Ahmed</p> | <p>International Journal of Scientific & Engineering Research, Volume 6, Issue 5, May-2015</p> | 2015 |
| 24 | <p>Behavior of Optical Parameters of CuZnSnO₄Thin Films</p> <p>Salma M. Shaban</p> | <p>The international 3rd. Scientific Conference of the College of Science 2015 Journal of University of Kerbala</p> | 2015 |
| 25 | <p>Effect of Pb additive on the Grain size and D.C Electrical Properties of Cd_{1-x}Pb_xSe Thin Films</p> <p>Salma M. Shaban and Farah Qahtan Kamil</p> | <p>International Journal of Current Engineering and Technology, Vol.5, No.3 (June 2015)</p> | 2015 |
| 26 | <p>Temperature Dependence of AC Conductivity and Complex Dielectric Constant of Cd₂Si_{1-x}GexO₄ Compound</p> <p>Salma M. Shaban</p> | <p>Iraqi Journal of Science, 2015, Vol 56, No.2B, pp: 1409-1415</p> | 2015 |
| 27 | <p>Effect of Tin Additive in Cadmium Sulfide Thin Films on ac Mechanism and Cole-Cole Diagram</p> <p>Salma M. Shaban</p> | <p>JOURNAL OF KUFA – PHYSICS Vol.7/ No.1 (2015)</p> | 2015 |
| 28 | <p>Effect of pyridine and pyridine with substituent on photoluminescence of nanoparticles CdS prepared by liquid – liquid interface reaction</p> <p>Salma M. Shaban, K. T. Mahdi, A. S. Ahmed</p> | <p>Iraqi Journal of Physics, 2015 Vol.13, No.28, PP. 106-115</p> | 2015 |
| 29 | <p>Effect of using Different Techniques on Structure and Optical properties of Prepared Nanoparticles CdS</p> <p>Salma. M. Shaban, K. T. Mahdi, and A. S. Ahmed.</p> | <p>International Journal of Advanced Research in Science, Engineering and Technology Vol. 2, Issue 4 , April 2015</p> | 2015 |
| 30 | <p>Effect of pyridine and pyridine with substituent on the optoelectronic spectrum of nanoparticles CdS prepared by liquid – liquid interface reaction</p> <p>Salma M. Shaban, K. T. Al-Rasoul, A. S. Ahmed</p> | <p>International Journal of Scientific & Engineering Research, Volume 6, Issue 5, May-2015 1091</p> | 2015 |

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|----|---|--|------|
| 31 | <p>Characterization of CdS nanoparticles Prepared by Liquid – Liquid Interface Reaction</p> <p>Salma M. Shaban, Khalad T. Mahdi, Ahmed S. Ahmed</p> | <p>Iraqi Journal of Science, 2016, Vol. 57, No.1C, pp: 609-617</p> | 2016 |
| 32 | <p>Effect of Annealing Temperature on Optical Parameters of LiF Films</p> <p>Salma M. Shaban, Bushra S. Mahdi and Ali M. Nasir</p> | <p>Australian Journal of Basic and Applied Sciences, 10(14) September, Pages: 95-99</p> | 2016 |
| 33 | <p>Enhancement of Optical Characteristics of ZnS:Pb Thin Films</p> <p>Salma M. Shaban, Hamed Mahmoud, and Ghaith H. Jihad</p> | <p>International Journal of Scientific & Engineering Research, Volume 7, Issue 1, January-2016, 744</p> | 2016 |
| 34 | <p>Effect of Pb percentage on optical parameters of Pb*Cd1-*Se thin films</p> <p>Salma M. Shaban, Farah Q. Kamil</p> | <p>Iraqi Journal of Physics, 14, No.29, PP. I-7</p> | 2016 |
| 35 | <p>Effect of Zn Additive on Optical Parameters of Cd₂SnO₄ Thin Films</p> <p>Salma M. Shaban, Iqbal S. Naji, Hanaa I. Mohammed</p> | <p>To be published , Science College for girls</p> | 2017 |
| 36 | <p>Piezoelectric properties of drug and Landmine sensor for forensic sciences applications</p> <p>Salma M. Shaban</p> | <p>To be published , Nahrain University</p> | 2017 |