



## السيرة الذاتية

الاسم : كاظم عبدالواحد عادم الحمداني

تاريخ الميلاد : 1973/2/1 كركوك

الحالة الزوجية : متزوج

عدد الأولاد : 4

الديانة : مسلم

التخصص : فيزياء البلازما

الوظيفه : تدريسي

الدرجة العلمية : استاذ مساعد (حاصل على شهادة الدكتوراه)

عنوان العمل : جامعة بغداد/كلية العلوم/قسم الفيزياء

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أولاً : المؤهلات العلمية .

التاريخ	الكلية	الجامعة	الدرجة العلمية
1998	التربية	جامعة الموصل	بكالوريوس
2003	العلوم	جامعة بغداد	الماجستير
2010	العلوم	جامعة بغداد	الدكتوراه

1994	الالكترونيك	المعهد التكنولوجي/كركوك	أخرى
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ثانياً : التدرج الوظيفي .

الفترة من - الى	الجهة	الوظيفة	ت
2006-2003	بغداد	مدرس مساعد	1
2010-2006	بغداد	مدرس	2
2015-2010	بغداد	استاذ مساعد	3
			4
			5
			6

الفترة من - الى	الجامعة	الجهة (المعهد / الكلية)	ت
2003- لحد الان	بغداد	كلية العلوم	1

1	<b>Temperature Dependence of d.c conductivity and hall measurements of pbs thin films</b>	<b>Journal of physics, Iraq Baghdad</b>	2005
2	<b>ThePhotoconductive Properties of <math>Pb_xS_{1-x}</math> Films</b>	<b>Journal umm Slama</b>	2005
3	<b>Study of Optical Properties of HgTe Films</b>	<b>Journal of physics, Iraq Baghdad</b>	2008
4	<b>Measurement of Electron Temperature and density in Atmospheric Pressure by DC-Diode Non Magnatron Sputtering Technique</b>	<b>Journal of physics, Iraq Baghdad</b>	2008
5	<b>Study the Effect of annealing temperature on the Structure of a-Se and Electrical Properties of a-Se/c-Si Heterojunction</b>	<b>Journal of physics, Iraq Baghdad</b>	2009
6	<b>Crystal Growth of Semiconductor <math>CuAl_{0.4}Ti_{0.6}Se_2</math> and studding the Structural Properties of its Alloy and Thin Film</b>	<b>Journal of physics, Iraq Baghdad</b>	2009
7	<b>The optical properties of GaAs thin film prepared by flash evaporation tech.</b>	<b>Journal of Tikret for Science,Iraq</b>	2008
8	<b>Optical characteristic of DC magnetron sputtering deposition thin films of CdS in nitrongn glow discharge</b>	<b>3<sup>rd</sup> Scientific Conference-College of Science-Baghdad University</b>	2009

9	<b>The effect of protective coatings on mirrors reflectance of Nd-YAG laser Resonato</b>	<b>Journal of the University of Karbala</b>	2009
10	<b>Isochronal studies of the structural and electrical properties of CdTe films</b>	<b>Journal of Baghdad for science</b>	2009
11	<b>The effect of annealing temperature on the Optical characteristic of Se films prepared by direct current planar magnetron sputtering</b>	<b>Journal of physics, Iraq Baghdad</b>	2010
12	<b>The effect of doping by Ni on optical properties of CdS thin films</b>	<b>Tikrit Journal of Pure Science</b>	2010
13	<b>Electr0nic properties of PbTe/Si hetrjunction</b>	<b>Al-Nahrain University Journal for science</b>	2010
14	<b>Study the effect of thermal treatment and variation of CdS thickness on structural properties of CdS/CdTe heterojunction</b>	<b>Journal of University of Anbar</b>	2010
15	<b>Current–voltage and capacitance voltage characteristics of Se/Si heterojunction prepared by DC planar magnetron sputtering technique</b>	<b>Journal of physics, Iraq Baghdad</b>	2010
16	<b>Isochronal Studies of the Structural and Electrical Properties of CdTe Films</b>	<b>Baghdad Science Journal</b>	2011
17	<b>The effect of anode temperature on the Optical characteristic of Se films prepared by direct current planar magnetron sputtering</b>	<b>Iraqi Journal of Physics</b>	2011

18	<b>COUPLING ORGANIC AND INORGANIC LUMINESCENT CONCENTRATOR FOR SOLAR CELLS: A NEW METHOD TO OPTIMIZE ENRGY FROM SUN</b>	<b>Indian Journal of Energy</b>	<b>2012</b>
19	INVESTIGATION OF OPTICAL PROPERTIES OF THE PbS/CdS THIN FILMS BY THERMAL EVAPORATION	Journal of Electron Devices	2012
20	<b>The electrical and thermal activation energies dependence on the during times of annealing and thicknesses for thermal deposited thin CdS films</b>	<b>International review of physics</b>	<b>2012</b>
21	Simulation of plasma properties in magnetron sputtering with Kr gas	<b>International Journal of Application or Innovation in Engineering &amp; Management (IJAIEM)</b>	2013
22	Ab-initio density function theory electronic structure properties of core and surface CdTe nanocrystals	<b>International Journal of Application or Innovation in Engineering &amp; Management (IJAIEM)</b>	<b>2013</b>
23	<b>Study of Optical and Structures for TiO<sub>2</sub> prepared by Pulse Laser Deposition</b>	<b>International Journal of Science and Technology</b>	<b>2013</b>

24	<b>Synthesis and Study of Annealing Effect on Electrical Properties of CdS doped Zn Thin Films</b>	<b>Int. J. Thin Film Sci. Tec</b>	<b>2013</b>
25	Growth of $GaxAs_{1-x}$ Alloy and Characterized the Structural and Electrical Properties of Flashed Thin Films	International Journal of Thin Films Science and Technology	2013
26	FABRICATION AND STUDYING THE CHARACTERISTICS OF ITO/CdTe/Si/Au THIN FILM SOLAR CELL	International Journal of Physics	2013
27	Effect of Annealing Temperature on the Structural and Optical Properties of Nanocrystalline Strontium Titanate Thin Film Prepared by PLD	International Journal of Innovative Research in Science, Engineering and Technology	2013
28	<b>Effect of annealing temperature and laser pulse energy on the optical properties of CuO films prepared by pulsed laser deposition</b>	<b>Iraqi Journal of Physics</b>	<b>2014</b>
29	<b>Structural and optical properties of ZnO doped Mg thin films deposited by pulse laser deposition (PLD)</b>	<b>Iraqi Journal of Physics</b>	<b>2014</b>
30	<b>Effect of laser energy and ablation time on the formation of aluminum nanoparticles by nanosecond laser ablation of aluminum target in ethanol</b>	<b>Iraqi Journal of Physics</b>	<b>2014</b>

31	<b>Effect of Thickness and annealing Temperature on (C-V) Characterization of CdS/Si Heterojunction Preparing by DC Planar Magnetron Sputtering Technique and study of D.C. Electrical Conductivity</b>	<b>Journal of Babylon University/Pure and Applied Sciences</b>	<b>2014</b>
32	<b>Investigation of Some Physical Parameters of Laser Induced Copper plasma</b>	<b>Asian Journal of Applied Sciences</b>	<b>2014</b>
33	<b>Optical properties of CdO films prepared by DC planar magnetron sputtering</b>	<b>J.Thi-Qar Sci.</b>	<b>2014</b>
34	<b>Effect of Mn Concentration on the Structural and Optical Properties of SnO<sub>2</sub> Thin Films Prepared By pulse laser deposition</b>	<b>IOSR Journal of Research &amp; Method in Education (IOSR-JRME)</b>	<b>2014</b>
35	<b>Structural, Morphological and Optical Properties of ZnS Thin Film Deposited by Pulsed Laser Deposition Technique</b>	<b>Australian Journal of Basic and Applied Sciences</b>	<b>2014</b>
36	<b>Effect of laser pulse energy and vacuum pressure on the Cu laser induce plasma plume length</b>	<b>International review of physics</b>	<b>2014</b>
37	<b>A.C. Conductivity and Dielectric Study of ZnO Thin Films</b>	<b>International Journal of Engineering and Technical Research (IJETR)</b>	<b>2014</b>

38	Hydrophilic indicates Surface morphology quality of TiO <sub>2</sub> /CdS nanocomposite film	<b>Conference: International Integrated Engineering Summit 2014, At Malaysia</b>	2014
39	Study on physical properties of nanostructured ZnO prepared by pulse laser deposition	Wasit Journal for Science & Medicine	2014
40	I-V Characteristics of ITO/CdTe/Al <sub>2</sub> O <sub>3</sub> /Si/Au Thin Film Solar Cell	International Journal of Current Engineering and Technology	2014
41	Generate Radio-Frequency Capacitively Coupled Plasma 4 MHz and Study of Breakdown Voltage Curves in Low-Pressure	International Journal of Application or Innovation in Engineering & Management (IJAIEM)	2014
42	<b>Design and Fabrication of Anti Reflection Coating by Pulsed Laser Deposition</b>	<b>EUROPEAN ACADEMIC RESEARCH</b>	<b>2015</b>
43	<b>On the Plasma Parameters in Co-sputtering Discharge</b>	<b>British Journal of Applied Science &amp; Technology</b>	<b>2015</b>
44	Influence of Low-Temperature Plasma Argon on Bacteria	IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)	<b>2015</b>
45	Hydrogen Gas Sensors Based on Electrostatically Spray Deposited Nickel Oxide Thin Film Structures	PHOTONIC SENSORS	2015
46	Electron Temperature and Density Measurement of Plasma Jet in	International Journal of Novel Research in Physics Chemistry &	2015
47	The Influence of Bi content on The Structural and Optical Properties of	International Journal of Engineering Trends and Technology (IJETT)	2015



48	Diagnostics of low pressure capacitively coupled RF discharge argon plasma	Iraqi journal of physics	2015
49	Effect of Annealing Temperature on the Optical Properties of TiO <sub>2</sub> Thin	International Letters of Chemistry, Physics and Astronomy	2015
50	<b>Spectroscopic studies of laser induced cadmium plasma</b>	Iraqi journal of science	2015

No.	Research Title	Place of Publication	Year
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