



CV

Name: Zainab Saheeh Sadeq
Date of Birth: Baghdad 2/3/1970
Religion: Maslm
Martial statues: Miss
No. of children: Non
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Position: Molcular & Laser
Scientific Degree: Ass proof.
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■ First, Scientific Certification:

Degree science	University	College	Date
B.Sc.	Baghdad University	College of Science / Physics Department	1991
M.Sc.	Baghdad University	College of Science / Physics Department	1995
Ph.D.	Baghdad University	College of Science / Physics Department	2002
Any other			

■ Second, Career:

No.	Career	Workplace	From –To
1	Asst. Lecture	Baghdad University	1995-2002
2	Lecture	Baghdad University	2002-2005
3	Asst. Prof.	Baghdad University	2005- 2017

■ Third, University Teaching.

No.	University	The (Institute / College)	From –To
1	Baghdad University	Institute of Laser for Postgraduate Studies,	1995-1997
2	Baghdad University	College of Science / Physics Department	1997-2017

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

No.	Department	Subject	Year
1	Physics Department	General physics, First level	2003 -2006
2	Physics Department	Solar cells science, M.Sc. level	2004
3	Physics Department	spectroscopy, Fourth level	2007-2010
4	Physics Department	spectroscopy, Ph.D.& M.Sc. level	2009
5	Physics Department	Solar cells science, M.Sc. level	2010
6	Physics Department	spectroscopy, Ph.D level mole	2011-213
7	Physics Department	spectroscopy, Fourth level & spatial topic for M.Sc. level	2013-2014
8	Physics Department	spectroscopy, Fourth level & spatial topic for Ph.D level	2015-2017

■ **Fifth, Thesis which was supervised by :**

No.	Thesis Title	Department	Year
1	Spectroscopy study of R101 and CV670 Dyes in liquid and solid Media	College of Science / Physics Department	2005
2	Experimental Study of Doped Polymer Thin Films by Using Z-Scan Technique	College of Science / Physics Department	2009
3	Chemical reduction synthesis of metallic nanoparticles doped with Xanthene dye, Spectroscopic study	College of Science / Physics Department	2013
4	Spectroscopic Study of high-quality CdS Nano crystals Preparing in paraffin Solvent	College of Science / Physics Department	2014
5	Synthesis and Spectroscopic Study of Pure and Doped Carbon Nano-Structures Using Hydrothermal Technique	College of Science / Physics Department	2014

6	Synthesis of Ag nanoparticles by Biopolymer Agar gel	College of Science / Physics Department	2015
7	Formation of Fe ₂ O ₃ and Al ₂ O ₃ Nano coatings films using Laser Assisted Ultrasonic Spray Pyrolysis system (LAUSP)	College of Science / Physics Department	2015

Sixth, Conferences which you participated:

No. / (بحث / بوستر حضور)	Conferences Title	Year	Place	Type of Participation
1	الندوة الثالثة لافاق البحث العلمي والتطوير التكنولوجي في العالم العربي	2004	الرياض ، المملكة العربية السعودية	مشاركة ببحث
2	المؤتمر الدولي لأنظمة وتقنيات وتطبيقات الاستشعار عن بعد المتطورة لمراقبة الارض	2005	الرياض ، المملكة العربية السعودية	مشاركة ببحث
3	المؤتمر الوطني للفيزياء	2012	جامعة بابل/ كلية التربية للعلوم الصرفة/ قسم الفيزياء	مشاركة حضور
4	ندوة ال Nanophotonic	2013	معهد الليزر الدراسات العليا ، جامعة بغداد ، العراق	مشاركة حضور
5	المؤتمر العلمي الاول لكلية العلوم / جامعة كربلاء	2013	جامعة كربلاء ، كلية العلوم	مشاركة ببحث
6	المؤتمر الدولي للفيزياء والهندسة	2013	جامعة بغداد، كلية العلوم، قسم الفيزياء	مشاركة حضور
7	الندوة العلمية الفلكية بعنوان "العواصف الجيومغناطيسية وتأثيرها على جو الارض"	2013	جامعة بغداد/ كلية العلوم/ قسم الفلك والفضاء	مشاركة حضور
8	المؤتمر الدولي العلمي الرابع للنانوتكنولوجي والمواد المتقدمة	2013	مركز بحوث النانوتكنولوجي والمواد المتقدمة، الجامعة التكنولوجية، العراق	مشاركة حضور
9	دورة التخطيط الاستراتيجي	2013	جامعة بغداد/ كلية العلوم/ قسم الفيزياء	مشاركة حضور

10	دورة كيفية كتابة الرسائل والاطراح	2013	جامعة بغداد/ كلية العلوم/ قسم الفيزياء	مشاركة حضور
11	دورة مفاهيم الاشعاع النووي وطرق الكشف عنها	2013	جامعة بغداد/ كلية العلوم/ قسم الفيزياء	مشاركة حضور
12	معهد (Istituto nazionale di ottica)	2014	المعهد الوطني للبصريات (INO)، مدينة فلورنسا ، ايطاليا	دورة تدريبية لمدة شهر ضمن برنامج تطوير الملاكات التدريسية خارج العراق
13	المؤتمر العلمي الثالث لمعهد الليزر والدراسات العليا	2015	معهد الليزر الدراسات العليا ، جامعة بغداد ، العراق	مشاركة حضور
14	المؤتمر الدولي العلمي الخامس للنانوتكنولوجي والمواد المتقدمة وتطبيقاتها	2015	مركز بحوث النانوتكنولوجي والمواد المتقدمة، الجامعة التكنولوجية ، العراق	مشاركة ببحث

❖ **Seventh, Scientific Activities:**

Within the College	Outside the College

❖ **Eighth, Research Projects in The Field of Specialization to The Environment and Society or the Development of Education:**

[1]	A. M. Taleb, Baha. T. Chiad and Zainab. S. Sadik; "Lifetime measurement for Benzo[a]pyrene molecule in different temperatures", J of the College of Education for Women, 9, 2, 1998.
[2]	Baha. T. Chiad, Zainab. S. Sadik and Zainab. F. Mahdy; " Measurement of fluorescence lifetime for monomer and excimer of pyren molecules" , J of the College of Education for Women, 10, 1, 1999.
[3]	Zainab. S. Sadik, Baha. T. Chiad and A. M. Taleb; "Fluorescence lifetime of R_B and R_{6G} as a function of concentration" , J of the College of Education for Women, 13, 3, 561-565, 2002.
[4]	Baha. T. Chiad, A. M. Taleb, and Zainab. S. Sadik; "Energy transfer characteristics of dye laser mixture in solutions", AttidellaFondazione Giorgio Ronchi, LVIII, 1, 77-83, 2003.
[5]	Baha. T. Chiad, A. M. Taleb, and Zainab. S. Sadik; "Energy transfer parameters of PMMA and Ps thin film doped DCM-Ox mixture", AttidellaFondazione Giorgio Ronchi, LVIII, 1, 85-91, 2003.
[6]	Baha. T. Chiad, A. M. Taleb, and Zainab. S. Sadik; " Photophysical properties of laser dye DCM", AttidellaFondazione Giorgio Ronchi , LIX, 5, 645- 648, 2004.
[7]	Zainab. S. Sadik and Dhia Hamdi Al-Amiedy; "Simulation Model used for Calculation of the Absorption Intensity of HI Molecules as a Function of the Variation of the Temperature", Accepted for MESM 2004, Philadelphia Univesity , Amma, Jordan, Spetember 14-16, 2004.

[8]	Zainab. S. Sadik and DhiaHamdi Al-Amiedy; "Mathematical model used for calculation of the absorption intensity of BrF molecules as a function of the temperature" , Accepted for MESM 2004, PhiladelphiaUnivesity , Amma, Jordan, Spetember 14-16, 2004.
[9]	DhiaHamdi Al-Amiedy, Zainab. S. Sadik and Wasan .R. AL-Azawi; "Calcalations of the maximum rotational quantum number of diatomic molecules as a function of the temperature", AttidellaFondazione Giorgio Ronchi, LX, 5, 709-713, 2005.
[10]	A. M. Taleb, Baha. T. Chiad and Zainab. S. Sadik; "Spectroscopic Study of DCM as an active medium for Luminescent Solar Concentrator", Renewable Energy, 30, 3, 393-398, 2005.
[11]	Baha. T. Chiad, Zainab. S. Sadik and Mohammad. A. Hammed; "Solid State Solvation Effect of PMMA Film Doped Dye R101 Mixture", Accepted for dellaFondazione Giorgio Ronchi, LXI, 1 ,41-45, 2006.
[12]	Zainab. S. Sadik; "Calcalations of the absorption intensity of hydrogen bromine molecules as a function of the temperature", AttidellaFondazione Giorgio Ronchi, LXI, 1, 37-40, 2006.
[13]	Zainab S. Sadik; Dhia H Al-Amiedy and Amal F. Jaffar; "Third Order Optical Nonlinearities of C ₄₅₀ Doped Polymer Thin Film Investigated by the Z-scan"; Advances in Materials Physics and Chemistry, 2, 43-49, 2012.
[14]	Baha Toma Chiad, Firas Jawad Kadhim, Zainab Sabih Sadik, Dunia Kamel Mehdy, Mohammed Abdullah Hameed and Esraa Adnan. Abdullah; "Energy Transfer of Rhodamine 110- Oxazine 1 Mixtures Encapsulated in Glass Like Silica Xerogel Matrices"; Journal of Material Science and Engineering A3(4), 249-255, 2013.
[15]	Bahaa T.Chiad, Natheera. A. Ali, Zainab. S. Sadik and Sarmed. S.AL-Awadi, "Study the optimum conditions of synthesis AgNP by chemical reduction method", Journal of Kerbala University, Vol. 11, No.4, 2013.

[16]	Bahaa' To'ma Chiad, Zainab S. Sadik, Dunia K. Mahdi, Saif M. Alshrefi, Abdul kareem Al-Sammarraie, Faisal Al-amgir, Preet Singh and Ayad F. Alkaim , "Synthesis of Carbon Nano-structures by Low-Temperature Hydrothermal Technique", Journal of Applicable Chemistry , 3 (4), 2014.
[17]	Zainab Sabeeh Sadik, Dunya Fareed Salloom, Sarmed Salih Mahdi and Enas Diao Salah Alden, "Antibacterial Effect of AgNPs/Agar Composite Films Synthesized by Hydrothermal Method", International Journal of Current Engineering and Technology, Vol.5, No.2, 2015.
[18]	Ayad Fadhil Alkaim, , Zainab Sabeeh Sadik, Dunia Kamil Mahdi, Saif Mohammed Alshrefi, Abdulkareem Mohammed Al-Sammarraie, Faisal Muhammad Alamgir, Preet Mohinder Singh, and Aseel Mushtaq Aljeboree, "Preparation, structure and adsorption properties of synthesized multiwall carbon nanotubes for highly effective removal of maxilon blue dye", Korean J. Chem. Eng. 32(12), 2456-2462, 2015.
[19]	Bahaa T. Chiad, Zainab S. Sadiq, Dunia K. Mahdi, Fatin H.Mohammed; "Formation of γ -Al ₂ O ₃ Nanoparticles Coating By Laser Assisted Spray Pyrolysis And Controlled Of Particle Size", Advances in Environmental Biology, 9(18), 132-138, 2015.
[20]	Bahaa T. Chiad, Zainab S. Sadeq, Dunia K. Mahdi and Fatin H. Mohammed; "Synthesis of α -Fe ₂ O ₃ Nanostructure Films Prepared by Laser Assisted Spray Pyrolysis", International Journal of Current Engineering and Technology, Vol.5, No.5, 2015.
[21]	Zainab. S. Sadeq, Nathera .A. Ali and Sarmed. S. AL-Awadi, " Synthesis of Gold Nanoparticle in the form of Paper Willow by Hot Chemical Reduction Method", International Journal of Current Engineering and Technology, Vol.5, No.5, 2015.
[22]	Bahaa T. Chiad, Zainab S. Sadiq, Dunia K. Mahdi and Fatin H. Mohammed, "Formation of γ -Al ₂ O ₃ Nanoparticles Coating By Laser Assisted Spray Pyrolysis And Controlled Of Particle Size", Advances in Environmental Biology, 9(18), 132-138, 2015.
[23]	Saif M. Alshrefi, Dunia K. Mahdi and Zainab S. Sadik; "Synthesis of TiO ₂ /Pd/Multi-Walled Carbon Nano-Structures by

	Hydrothermal Technique and deposited it on n-Si substrate as TiO ₂ /Pd/MWCNTs:n-Si Heterojunction by Pulsed Laser Deposition", Eng. &Tech. Journal, Vol.33, Part (B), No.5, 2015.
[24]	Baha T. Chiad, Zainab S. Sadeq, Dunia K. Mehdi and Mohammed A. Jadaa; "Synthesis and optical properties of CdS quantum dots via paraffin liquid and oleic acid", Iraqi Journal of Physics Vol.14, No.29, 169-174, 2016.
[25]	Zainab. Sabeeh. Sadeq; "Influence of Initial Concentration for Bismuth Nitrate on Crystallite Size of Prepared α -Bi ₂ O ₃ Nanoparticles", International Journal of Innovative Science, Engineering & Technology, Vol. 3, 123-131, 2016.
[26]	Zainab. Sabeeh. Sadeq; "Synthesis of Ni Nanoparticales and Study the Capping Agents Effect on Control the Particle Size", Asian Academic Research Journal of Multidisciplinary Vol. 3, 173-178, 2016.
[27]	Zainab. Sabeeh. Sadeq; "Non Linear Optical Properties of Silver Nanoparticles", Iraqi Journal of Science Vol. 57, No 3C, 2240-2244, 2016.

❖ Ninth, Membership:



■ Tenth, Awards and Certificates of Appreciation:

No.	Name of Awards and Certificates	Donor	Year
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■ Eleventh, Scientific literature:

No.	Scientific Literature Title	Year of The Publication
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■ **Twelfth, languages:**

- ✓ English
- ✓ Arabic

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