

السيرة الذاتية  
الاستاذ الدكتور نذيرة عباس علي التميمي  
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الاسم : نذيرة عباس علي التميمي

تاريخ الميلاد : ١٩٦١/٩/٩

الحالة الزوجية : متزوجة

عدد الاولاد : ٣ اولاد

الديانة : مسلمة

التخصص : فيزياء الحالة الصلبة / اطياف جزيئية وليزر

الوظيفة : استاذة جامعية

الدرجة العلمية: أستاذ

عنوان العمل: قسم الفيزياء/ كلية العلوم/ جامعة بغداد

## ACADEMIC QUALIFICATIONS

## الشهادات الحاصلة عليها

- 1996 **University of Baghdad - College of Science** شهادة الدكتوراه  
**Ph.D.** (Solid State, Molecular & Laser)  
(*Study and ablation pressure measurement of some metals by using LaserNd-glass.*)
- 1989 **University of Baghdad - College of Science** شهادة الماجستير  
**M.Sc.** (Solid State-Molecular)  
(*Spectral study of complex formation of some aromatic molecules.*)
- 1983 **University of Baghdad - College of Science** شهادة البكالوريوس  
**B.Sc.** Physics

## PROFESSIONAL EXPERIENCE

- 2010 – Present **Professor** in Physics الاستاذية  
**University of Baghdad - Science College**
- 2001-2010 **Assistant Professor** in Physics الاستاذ المساعد  
**University of Baghdad - Science College**

1996-2001	<b>Lecturer in Physics</b> مدرس <b>University of Baghdad - Science College</b>
1989-1996	<b>Assistant Lecturer in Physics</b> مدرس مساعد <b>University of Baghdad - Science College</b>
1984-1987	<b>Teaching Assistant in Physics</b> معيدة <b>University of Baghdad - Science College</b>

## **PROFESSIONAL TRAINING** الدورات التدريبية

I have attended many training sessions, some of which are the following:

1. Teacher Education, University of Baghdad 1992.
2. Computer, University of Baghdad, 28 April 1999.
3. Concepts and Detection for Nuclear Radiation, Physics Department Science College, University of Baghdad 26March 2013
4. Physics Department Science College, University of Baghdad 16April 2013.
5. Strategic Planning, Physics Department Science College, University of Baghdad 26 April 2013.
6. How to Write a Thesis, Physics Department Science College, University of Baghdad 06May 2013.
7. Workshop of Techniques for Learning and Workout, Amman, Jordan, 13May2013.
8. Psychological counseling and educational guidance, University of Baghdad 13November 2013.
9. دورة تدريب الملاكات التدريسية للعام ٢٠١٣-٢٠١٤

## **RECORD OF UNIVERSITY COURSES TAUGHT** المقررات المدروسة من قبلنا

### **Undergraduate** الدراسات الاولية **B.Sc. Physics**

<b>Course Title</b>	<b>Level</b>	<b>Period (from-to)</b>
laser Physics	Fourth year	1997-1999
Molecular Physics	Fourth year	1999-2001
solid state physics, Crystallography, Optics	Fourth year	2000-2002
Physics for non-physicists	First year	2002-2004
Electromagnetic theory, Thermodynamic	Fourth year	2004-2006
Statistical Mechanics	Second year	2006-2008
Optics	Third year	2008-2013
Optics	First year	2012-2016
Optics	Third year	2016- to Present

**Post Graduate الدراسات العليا**  
**For M.Sc Physics** طلبة الماجستير

<b>Course Title</b>	<b>Level</b>	<b>Period (from-to)</b>
-Post Graduate Atomic and Molecular Structure and Molecular Laboratory	M.Sc	1996-2012
- Optical Fiber	M.Sc	2003-2006
- Laser Detector	M.Sc	2006-2010
- Renewable Energy	M.Sc	2010-present
- Vacuum Technology	M.Sc	2010-2013

**For Ph.D Physics** طلبة الدكتوراه

<b>Course Title</b>	<b>Level</b>	<b>Period (from-to)</b>
-Post Graduate Molecular Physics and Molecular Laboratory	Ph.D	2002-present
-Photonic	Ph.D	2008-2009
- Flash Lamp	Ph.D	2009-2010
- Laser Design	Ph.D	2009-2010
- Advance Laser	Ph.D	2010-2011
- Renewable Energy	Ph.D	2012-present
-Special Topic	Ph.D	2002- present

**PRESENTATION AND CONFERENCES ATTENDED** ورش العمل والمؤتمرات  
المشارك بها

Attended a number of International and National Conferences, Forums, Symposiums and Seminars as a participant among which are the following:

**A- International Conferences, Forums and Seminars** المؤتمرات الدولية والندوات المشارك بها

1. Physics Conference of the Association of Physics and Mathematics, at the University of Anbar, 1994.
2. The first conference of the Centre for Research and laser plasma, Centre for Research and laser plasma, 1995
3. The first workshop for Nano-Technology and its applications, Baghdad University, College of Science, Physics Department, 2008
4. The second workshop industrial applications for alternative materials, Baghdad University, College of Science, Physics Department, 2008
5. The first workshop on dust storms and their impact on the environment, Baghdad University, College of Science, Physics Department, 2008
6. The second workshop on dust storms and their impact on solar energy, Baghdad University, College of Science, Physics Department, 2009
7. Third Scientific Conference of the College of Science, Baghdad University, College of Science, 2009

8. The first conference of nanotechnology and its applications in renewable energies Baghdad University, College of Science, Physics Department, 2009
9. Scientific Conference of the Iraqi National First of Physics, Baghdad University, College of Science, Physics Department, 2010
10. Second Conference of nanotechnology and its applications, Baghdad University, College of Science, Physics Department, 2010
11. The first scientific conference of the Department of Physics (technologies of modern physics and its applications), Baghdad University, College of Science, Physics Department, 2011
12. The Sharjah International Conference on Nuclear and Renewable Energies for the 21<sup>st</sup> Century April 3-5, 2011.
13. Conference sovereignty to the creative work of the Ministry of Youth, University of Baghdad, 2011 .
14. 4<sup>th</sup>International Scientific Conference of Salahaddin University- Erbil, Salahaddin University- Erbil, 2011.
15. Fourth Scientific Conference of the College of Basic Education , University of Babylon, 2011.
16. The Third Conference of nanotechnology and advanced materials and their applications , University of Technology, 2011
17. Third Conference of nanotechnology and its applications, Baghdad University, College of Science, Physics Department, 2011
18. The first scientific conference in the techniques and applications of laser and Materials Engineering , University of Technology cooperation Institute Laser, 2012.
19. Second Scientific Conference of the Iraqi National Physics, Baghdad University, College of Science, Physics Department, 2012.
20. The first conference of the dust storms and their environmental impacts, "the causes and treatments", Baghdad University , College of Science , Department of Geosciences, 2012.
21. The International Conference on Renewable Energy: Generation and Applications; Al-Ain, UAE; Mechanical Engineering Department; Faculty of Engineering; United Arab Emirates University;2012
22. National Conference of Physics, Baghdad University, College of Science, Physics Department, University of Babylon, College of Education Sciences sheer, 2012.
23. The First World Conference for remote sensing technologies, Baghdad University College of Science and Remote Sensing Unit, 2012.
24. First Scientific Conference of College of Sciences, University of Karbala, College of Sciences, 2013
25. National Conference for Renewable Energies and Applications, University of Technology, Center of renewable energies and their applications, 2013.
26. Twenty Scientific Conference of the College of Education ,University of Mustansiriya, 2013
27. The International Conference of Integration between the Outcomes of Education and Labor Market in Public and Private Sectors, Al-Balqa Applied University,Amman,Jordan,13-16/5/2013.
28. Fourth Scientific Conference of the College of Sciences , University of Dhi Qar, the first Specialist of the Department of Physics, University of Dhi Qar, 2013.
29. Fourth Conference of the International Nanotechnology, In collaboration with the University of Technology, 2013.

30. Scientific Conference Specialist II for the colleges of Science, Agriculture and Veterinary Medicine, Wasit University, 2013.
31. International Conference on Physics and Engineering, Baghdad University College of Science and Engineering, 2013.
32. Second Scientific Conference of the feminist, Ministry of Science and Technology, 2014.
33. 15<sup>th</sup> scientific conference, Al-Ma'moon University College, 2014.
34. The first scientific conference of the Ministry of Industry, 2014
35. 1<sup>st</sup> International Conference on laser Application and Advanced Materials , University of Technology, 2014.
36. 1<sup>st</sup> International Conference on laser Application and Advanced Materials , University of Technology, 2014.
37. Third Scientific Conference of the College of Sciences, University of Karbala, College of Sciences, 2015.
38. Twenty One Scientific Conference of the College of Education ,University of Mustansiriya, 2015.
39. Nanotech Dubai 2015 International Conference and Exhibition, Dubai-UAE, 2015.
40. Nanotech Dubai 2015 International Conference and Exhibition, Dubai-UAE, 2015
41. 3rd International Conference and Exhibition on Solar Energy (ICESE2016), Iran, 2016

#### **B- National Conferences, Symposiums, Forums and Seminars المؤتمرات والندوات المحلية**

1. The first seminar of the Centre for Research and laser plasma, Baghdad University / Center for Laser and Plasma, 1994.
2. The first workshop for nanotechnology and its applications, Baghdad University, College of Science, Physics Department, 2008.
42. The second workshop industrial applications for alternative materials, Baghdad University, College of Science, Physics Department, 2008.
3. A seminar on renewable energy sources, Baghdad University, College of Science, Physics Department, 2008.
4. The first workshop on dust storms and their impact on the environment, Baghdad University, College of Science, Physics Department, 2008.
5. The second workshop on dust storms and their impact on solar energy, Baghdad University, College of Science, Physics Department, 2009.
6. Symposium talk about the law of service and retired university lecturers, Baghdad University, College of Science, Physics Department, 2009.
7. Seminar radiation and radiation protection, Baghdad University, College of Science, Physics Department, 2009.
8. Environmental Management Seminar, Baghdad University, College of Science, Physics Department, 2009.
9. Philosophy Physics Seminar entitled (Philosophy and carrying container Science), Baghdad University, College of Science, Physics Department, 2011.
10. Seminar radiation protection, Baghdad University, College of Science, Physics Department, 2011.
11. Seminar solar cells between reality and the future / Al-Ma'moon University College / Department of electric power engineering techniques, 2012.

12. Workshop on Nanotechnology - Policy Research in sizes small and large applications, University of Technology, 2012.
13. Seminar ((trends of modern physics)) College of Computer Science and Mathematics / University of Qadisiyah in collaboration with the Department of Physics / College of Science / University of Baghdad, 2012.
14. The first scientific symposium of the Department of Laser Physics (scientific advances in laser technology and its uses future), Babylon University / College of Science for Girls / Department of Physics Laser, 2012.
15. Dialogue Symposium lifestyle: the impact of the dialogue in the process of college student Dialogue Symposium lifestyle: the impact of the dialogue in the process of college student, Baghdad University, College of Science, Physics Department, 2012.
16. Scientific Symposium (radiation protection), Baghdad University, College of Science, Physics Department, 2012.
17. Seminar universe perspective, Baghdad University, College of Science, Astronomy Department, 2013.
18. Seminar prospects of image processing and remote sensing in Astronomy and Space, Baghdad University, College of Science, Astronomy Department, 2013.
19. The Twenty Conference of Education College at Al-Mustansiriya University, Baghdad Iraq, 24-25/4/2013.
20. Scientific Symposium "Storms Djiungnatisah and its Impact on the Earth Environment, Department of Astronomy / Faculty of Science / Baghdad University 12.03.2013.
21. Joint Scientific Symposium "Recycle Solid Waste in Iraq - Reality and Ambition" and Applied Research Unit - Department of Applied Sciences - University of Technology and the Faculty of Science - University of Anbar / University of Technology - Baghdad / Iraq 20/4/2013
22. Seminar century comet ISON, Baghdad University, College of Science, Astronomy Department, 2014.
23. 1<sup>st</sup> International Conference on laser Application and Advanced Materials , University of Technology, 2014.
24. 1<sup>st</sup> International Conference on laser Application and Advanced Materials , University of Technology, 2014.
25. Third Scientific Conference of the College of Sciences, University of Karbala, College of Sciences, 2015.
26. Twenty One Scientific Conference of the College of Education ,University of Mustansiriya, 2015.

## ACADIMIC PROFESSIONAL ACTIVITIES الاشراف على طلبية الدراسات العليا

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**A-** Supervising **M. Sc** and **Ph.D** Students in the fields of: molecular, Solar cells, Nano-Fibers preparation, Detectors, Gas Sensor, Nano-metal preparation to enhancement laser medium. DSSC preparation. Find below the titles of the student thesis according to years.

طلبة الماجستير الذين اشرفت عليهم For M.Sc. Degree

Thesis Title	Year
1- Luminescence spectra for two Dyes Rhodamine B, Rhodamine 6G in different media.	2002
2- Audio signal detection by laser beams as a function of glass thick .	2003
3- Optical fiber bragg grating temperature sensor.	2008
4- Study of optical properties of CdS thin films in porous silicon.	2009
5- Fabrication of nanofibers from some polymers by electrospinning Method.	2010
6- Fluidic Fibre Dye Laser.	2012
7- DSSC preparation by using curcumin dyes.	2014
8- Spectroscopic Study of Pyrene System Mixed with Coumarin Dye and its properties in different solvents.	2015
9- Emission Photons Spectra From The Resonance Fluorescence of a Single Quantum Dots	2016
10- Preparation, characterization of microfiber as a biosensor	2017

طلبة الدكتوراه الذين اشرفت عليهم For Ph.D. Degree

Thesis title	year
<b>1- Plantary nubela</b>	<b>2012</b>
<b>2- Design and construction of a planner cathode glow discharge in low pressure plasma and D.C sputtering for gas sensing.</b>	<b>2013</b>
<b>3- Preparation and spectroscopic studies of nanoparticle Materials doped with lasing dyes.</b>	<b>2013</b>
<b>4- Constriction (APCVD) system and prepare a SnO<sub>2</sub> thin films</b>	<b>2014</b>
<b>5- Spectroscopy Study Conducting Glass prepared of Un doped and Doped with Rear Earth.</b>	<b>2015</b>
<b>6- Constriction (CVD) system and prepare a Graphene nanoparticle</b>	<b>2016</b>

## SCIENTIFIC ADMINISTRATIVE ACTIVITIES الانشطة الادارية والعلمية

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- A- Chairman and Member of Curriculum of fourth Year for Physics Department, College of Science, University of Baghdad (2009-present).
- B- Member of Curriculum of Postgraduate Molecular Group for Physics Department, College of Science, University of Baghdad (2011-present).
- C- Member of the department council (2006-present).
- D- Member of the Committee of Graduate Studies (2002-present)
- E-Member of the Scientific Committee (2006-present)
- F-Member committee's extraction of Research (2001-Present)
- G-Member of the committees for the comprehensive exam for PhD students(2001-present)
- H- Chairman and member of the Jinan discuss thesis master's and doctoral students (2002-present)
- I- Chairman and member of the Committee discuss the research plan for doctoral student (2002-present)
- J-A member of the follow-up committees PhD students in the research phase of the Department of Physics(2011- present)
- K- Member of the committees for the competitive examination for applicants for postgraduate studies (MSc& PhD)(2001-present)
- M- Member of the Committee for the performance evaluation of university faculty members of the Department of Physics (2010-present)
- N-Evaluation of research within the college (1997-present)
- O- Evaluate the thesis Scientific Assessment of PhD students (2007-present)
- P- Evaluation of research for the purpose of alliance-building (2011-present)
- Q- Evaluation of research for the purpose of promotion the scientific(2010-present)
- R- Member of the Promotion Committee at the Faculty of Science (2015- present)

## OTHER ACHIEVEMENTS إنجازات أخرى

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### Administrative and other Academic Experience الخبرات الأكاديمية الإدارية وغيره

- 1- Rapporteur of the Department of Physics in College of Science, University of Baghdad, Iraq (2006-2010)
- 2- got my second prize to the Prime Minister about the creative work presented at a conference of sovereignty to the Ministry of Youth (design and build a system to with draw nano Fiber manner spin Supply)
- 3- Writing a practical book in Atomic physics for students in third class of the Department of Physics in College of Science, University of Baghdad, Iraq 1991.

## MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS العضوية في مؤسسات اخرى



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- \* Educational Society, Baghdad, Iraq.
  - \* Physics and Mathematics Society, Baghdad, Iraq.
  - \* Association of University Lecturers. Baghdad, Iraq.

## **PUBLICATIONS**

## **البحوث المنشورة**

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*The research results have been published in over than ----- scientific issues including papers in international and national scientific journals, conference proceedings reports, etc list of publications is given as follows:*

1. "The effect of the concentration of ferric sulphate solution on its magnetic susceptibility". **Nathera Abass Ali**; Iraqi J. Sci., **36**, 3, (1995).
2. "A study of the effect of light on the anthracene solution which dissolved in chloroform". A. A. Kazzaz: **Nathera Abass Ali** . 1994 Iraqi J. Sci.
3. "The effect of plasma pressure on the radius and depth of the gap produce on metallic target irradiated by 1.06  $\mu\text{m}$  laser beam". **Nathera Abass Ali**; Iraqi J. 42, 3, 2001.
4. "The expermental study of plasma diffusion velocity as a functional of the ablation pressure and laser beam intensity ". **Nathera Abass Ali**; Mustanseria Aloom magazine, **12**, 2, (2001).
5. "A study of the concentration effect on the relative fluorescence quantum efficiency of anthracene dissolved in chloroform at 77 K with and without exposure to light". S. k. Jameel; **Nathera Abass Ali**; Iraqi J. Sci., **43**, 3, (2002).
6. "The relative quantum efficiency of anthracene solution as a function light exposure duration" **Nathera Abass Ali**; S. k. Jameel; Iraqi J. Sci., **45**, 2, (2002).
7. "Phopto-Physical characterization of Rhodamine B in liquid and solid solutions". **Nathera A.A.Al-Tememee**; Salwan K. Jamel; Ahsan A. Bd Alfahdawi;ATTi Della "Fondazione Giorgio Ronchi" **Anno LXII**; **4**; (2007).
8. "The spectroscopic behaviour of Rhodamine 6G in liquid and solid solutions". **Nathera A.A.Al-Tememee**; Salwan K. Jamel; Ahsan A. Bd Alfahdawi, Um-Salama Science Journal; **5**, 1, (2008).
9. "Optical pulse propagation in photonic band gap fiber bragg grating ". Hani. J. Khashi, **Nathera A.A.Al-Tememee**, Kais Al-Naimee; and; A.I. Mahmood J. Physics, Iraqi J. of Phys; **5**, 6, (2008).
10. "Influence of power density on some properties of porous silicon prepared by photochemical etching". **Nathera A.A.Al-Tememee**, Ghaida. S. M. Iraqi J. of Phys ; **5**, 6, (2008).
11. "Effect of NaCl on the spectral of cresylviolet(cv)-sodium dodecyl sulphate (SDS) complex. ". **Nathera A.A.Al-Tememee**; Sundus M A Al-dujayli; CSASC English Ver.,college of science Bbylon Univ. 4<sup>th</sup> Scientific Conference ; 4 , (2009).
12. "Two-Dimensional crystallization of Silica Nanospheres Using Coplanar DC Electric Field". B.T. Chiad, W. A. Twej, A. H. Al-Wattar, **N. A. Al-Tememee**, Q. M. Salman, A.B. Sharba, M. A. Hameed, and A.Q. Aubaid, Iraqi J. of Phys., **7**, (8), 69, (2009).
13. "Preparation of Poly Vinyl Alcohol /TiO<sub>2</sub> Nano- Fiber by Electrospinning". B.T. Chiad, A. J. H. Al-Wattar, **N. A. A. Al-Tememee**, W. A. Twej, M. A. Hameed, A. Q. Ubaid, Q. M. Salman and A.B. Ridha, Iraqi J. of Phys., **7**, (8), 17,(2009).

- 14." Study The Effect of The High voltage on The Preparation of Polyvinyl Alcohol / TiO<sub>2</sub> Nano-Fiber by Electrospinning". B.T. Chiad, A. J. H. Al-Wattar, **N. A. A. Al-Tememee**, W. A. Twej, M. A. Hameed, A. Q. Ubaid, Q. M. Salman and A.B. Ridha, Iraqi J. of Phys., **7**, (8), 21,(2009).
15. "Study of some structural properties of porous silicon preparing by photochemical etching". **Nathera A.A.Al-tememee**, Ghaida. S. M Iraqi J. of Phys., **7**, (8), 49,(2009).
16. "Study of synthesis of nanocrystalline CdS thin film in PVA matrix by chemical bath deposition" **Nathera A.A.Al-tememee**, ATTi Della "Fondazione Giorgio Ronchi" **Anno LXII; 6**; (2009).
17. "Preparation of nano-microfibers with a different polymers " **Nathera A.A.Al-tememee**; Iraqi Journal of Physics; Vol.9,No.15; PP.76-68; 2011.
18. "Study the Effect of Irradiation Time and HF Concentration on Porosity of Porous Silicon and Study Some of the Electrical Properties of Its Based Device"; **Nathera Abass Ali Al-Tememee**, Ghaida Salman Muhammed; Advances in Materials Physics and Chemistry, Vol.2,No.1; PP 55-58; 2012.
- 19-" THE RELATIVE QUANTUM EFFICIENCY ANTHRACENE SOLUTION AS A FUNCTION OF LIGHT EXPOSURE DURATION"; **Nathera Abass Ali Al-Tememee**, \*Salwan Kamal Jameel Al- Ani; Iraqi Journal of Science, Supplement Of 2009, PP.19-22; 2011.
- 20- "Red Shift Band Gap Enhancement of the Nanostructure ZnO<sub>100-x</sub>Al<sub>x</sub> Thin Films as A function of Al Concentration for Optoelectronic Applications"; Nada M. Saeed, Manal M. Abdullah, **Nathera A. Ali**, Baha T, Chied; Praise Worthy Prize International Review of PHYSICS; Vol. 5. No. 6, pp. 352-357; 2011
- 21- "COMPARSION OF THE PHYSICAL PROPERTIES FOR CdS AND CdS DOPED PVA THIN FILMS PREPARED BY SPRAY PYROLYSIS"; **Nathera Abass Ali Al-Tememee**; Int. J. Nanoelectronics and Materials **6** (2013) 17-28
- 22-"THE EVOLUTION OF PLANETARY NEBULAE(PN) AND FADING TIME ACCORDING TO SYNTHETIC MODEL"; Muhamed A.Abutaib, **Nathera A. Ali**, Sundus A.Abdullah; Iraqi journal of science, Vol.53, No.1, pp.209-214, 2012.
- 23-"Some structural properties studying of porous silicon preparing by photochemical etching"; **Nathera Abass Ali Al-Tememee**; Praise Worthy Prize International Review of PHYSICS; Vol. 6; No. 1; 2012.
- 24-" Effect of sulfide on CdS Thin Films Prepared by Spray Pyrolysis"; Sundus M A Al-dujayli, "; **Nathera Abass Ali Al-Tememee**, Nada M. Saeed, Accepted in 4<sup>th</sup> International Scientific Conference of Salahaddin University-Erbil; October 18-20,2011 Erbil, Kurddistan, Iraq; 2012.

- 25- The Dynamic Evolution of the shell Nebulae by using Interacting Stellar Wind Mode (ISW)"; Bahaa T. Chaid; **Nathera Abass Ali. Al-Tememe**; Muhamed A. Abutaib; Sundus A. Abdullah; *مجلة كلية التربية الاساسية / جامعة بابل / بحوث المؤتمر العلمي* الرابع لكلية التربية الاساسية / جامعة بابل ؛ ٢٤-٣٠.
- 26- "The effect of Zn Concentration on the optical properties of Cd<sub>1-x</sub>Zn<sub>x</sub>S films for Solar Cells Applications"; **Nathera A. Al-tememe**, Nada M. Saeed, Sundus M. A. Al-dujayli, and, Bahaa T. Chaid; *Advances in Materials Physics and Chemistry*, 2012; 2; 69-74.
- 27- "THE EFFECT OF METALLICITY ON THE AGB STARS EVOLUTION By USING SYNTHETIC MODEL" ; **Nathera Abass Ali. Al-Tememe**; Bahaa T. Chaid; Muhamed A. Abutaib; Sundus A. Abdullah; *Iraqi journal of science*, -١١٦٧، العدد/الرابع، صفحة ١١٦٧، ملحق، مجلد ٥٣، ١١٧٤، لعام ٢٠١٢
- 28- " DISTANCES SCALE DETERMINATION FOR A PLANETAY NEBULA IN GALAGTIC BULGE " Behaa T. Chiad; Sundus A. Abdullah\*; **Nathera A. Ali**; Mohamed A. Salli; *International Journal of Astronomy and Astrophysics*, 2013, 3, 81-86
- 29- " Optical study of effect of thiourea on CdS thin films" ; Sundus M. A. Al-dujayli, **Nathera A. Al- Tememe**; *INDIAN JOURNAL OF APPLIED RESEARCH*; Volume ; 3 ; Issue ;3 ;March 2013 ISSN – 2249-555X; 336-340.
- 30- " The Response of a Window Glass to the Frequencies of Sound"; **Nathera A. A. Al-Tememe**, Salwan K. J. Al-Ani, Dhefay Y. S. Al- Mashhadani; *International Journal of Nanoelectronics and Materials*; 6; 2013; 9-16.
- 31- "Influence of Discharge Pressure on the Plasma Parameter in a Planar Dc-Sputtering Discharge of Argon"; Mohammed K. Khalaf; **Nathera Abass Ali Al-Tememe**; Bahaa T. Chaid; Fwad T. Ibrahim; *International Journal of Recent Research and Review*, Vol. V; ISSN 2277 – 8322; March 2013; 13-16.
- 32- "Electrical Discharges Characterization of Planar Sputtering System"; Bahaa T. Chaid; **Nathera Abass Ali Al-Tememe**; Mohammed K. Khalaf; Fwad T. Ibrahim; *International Journal of Recent Research and Review*, Vol. V; ISSN 2277 – 8322; March 2013; 17-21.
- 33- "Photobleaching influence in different phases for Coumarin 307 and Acriflavine Laser Dyes"; Bahaa T. Chaid Al-Khfji; Abbas Jasim Hummadi Al-Wattar; Qusay Raghieb Ali Al-Taai; Maab Hafidh Tawfeek Al-Hafidh; **Nathera Abass Ali Al-Tememe**; Wesam Abed Ali Twej; Zainab Sabih Sadik ; *Journal of Physical Science and Application*; 3; 2; (2013); 65-71.
- 34- "دراسة الظروف القياسية لتحضير جسيمات الفضة النانوية بطريقة الاختزال الكيميائي " بهاء طعمة جواد؛ نذيرة عباس علي التميمي؛ زينب صبيح صادق؛ سرمد صالح مهدي العوادى: مقبول للنشر في مجلة جامعة كربلاء العلمية
- 35- " The Effect of Solvents on the Fluorescence Quantum Yield and Dipole Moments of Rhodamine Dyes" **Nathera A. A. Al-Tememe**; Salwan K. J. Al-Ani; Ahsan A. Abd

Alfahdawi; official Journal "ISESCO Journal of Science and Technology", Volume 9; N.16 ; pp 34-42; November 2013.

**36-** "CRYSTALLINE STRUCTURE AND SURFACE MORPHOLOGY OF TIN OXIDE FILMS GROWN BY DC-REACTIVE SPUTTERING"; **Nathera A.A. Al-Tememee**<sup>1</sup>, mohamad Abd-Alhmeed, Fuad T. Ibrahim<sup>2</sup>; INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND TECHNOLOGY; E-ISSN 2277-4106,P-ISSN 2347-5161; VOL. 4; NO. 2; PP 516-519; APRIL 2014.

**37-** "Synthesis and Spectroscopy of Silica Nanoparticles as Scatter Center in Random Gain Porous Media" Firas J. Kadhim; Baha T. Chiad; **Nathera A. Ali**; Jafer F. Odah; Accepted in spectroscopy and spectral analysis Journal; 2014

**38-** " Crystalline Structure and Surface Morphology of Tin Oxide Films Grown by DC-Reactive Sputtering" **Nathera A.A. Al-Tememee**<sup>A</sup>, Mohammed A. Hmeed<sup>A\*</sup> and Fuad T. Ibrahim<sup>A</sup>; International Journal of Current Engineering and Technology; E-ISSN 2277 – 4106, P-ISSN 2347 – 5161; **Vol.4, No.2**; p. 516; April 2014.

**39-** " Preparation and Characterization of High Quality SnO<sub>2</sub> Films Grown by (HPCVD)"; Baha T. Chiad; **Nathera Ali**; Nagam Th.Ali; Eng. & Tech. Journal; Vol.32; Part (B)No. 4 ;2014.

**40-** " Natural yellow3 for dye sensitized solar cell", **Nathera Abass Ali Al-Tememee**; Nagham Ali Hussein; International journal of Emerging Technology & advanced Engineering; ISSN 2250-2459, ISO 9001:2008 Certified Journal, Vol. 4, Issue 10, October , 2014

**41-** "Synthesis and spectroscopic properties of silica nanoparticles as scatter centers in random gain porous media", Firas J. Kadhim, Bahaa T. Chiad, **Nathera A. Ali**, Jafer F. Odah, J Sol-Gel Sci Technol, No. 3740, 14 January, 2015.

**42-**"Synthesis of Goid Nanoparticle in The Form of Paper Willow by Hot Chemical Reduction Method", Zainb S. Sadeq, **Nathera A. Ali**, and, Sarmed S. Al-Awadi, International Journal of Current Engineering and Technology, Vol. 5, No. 5, p. 3170, Oct. 2015.

**43-** "Tin Oxide Nanostructures Prepared by Atmospheric-Pressure Chemical Vapor Deposition Technique", Bahaa T. Chiad, **Nathera A. Ali**, Nagam Th.Ali; Accepted in Journal of Photonics and Optoelectronics, Jun 2016.

**44-** "Energy transfer process between two laser compounds (Coumarin 334& rhodamin 590) ",**Nathera Abass Ali Al-Tememee**; Noor zuheir habeeb; Accepted in Iraqi Journal of Physics(2015).

**45-** "Effect of Gamma Radiation on the A.C Electrical and Dielectric Properties of Prepared Pure and Doped Polyaniline Salt"; Salma M.Hassan, Sundus M.A.Al-dujayli; and; **Nathera A.Ali**; *Indian Journal Of Natural Sciences*; Vol.7 / Issue 37 / August 2016.

## Papers Submitted for Publication

- 1- **Nathera Abass Ali Al-Tememe**; Nagham Ali Hussein "Dye Sensitized Solar Cell With Curcumin Dye"; Submitted to the Molecular and spectroscopic, 2013
- 2- **Nathera Abass Ali Al-Tememe**; Baha T. Chiad ; Nagam Thamer Ali "Construction (APCVD) system and prepare a SnO<sub>2</sub> thin films", Submitted to the Molecular and spectroscopic, 2013.
- 3- **Nathera Abass Ali Al-Tememe**; Baha T. Chiad ; Nagam Thamer Ali "Prepare high quality SnO<sub>2</sub> films grown by (HPCVD) Submitted to the Molecular and spectroscopic, 2014.
- 4- **Nathera Abass Ali Al-Tememe**; **Wesam A. Ali**; **Ashraf A.** "Studying and analyzing of the optical, thermal and electrical characteristics forAerogel", Submitted to the Molecular and spectroscopic,2014.
- 5- **Nathera A.A. Al-Tememe**, Fuad T. Ibrahim, Mohammed K. Khalaf "Preparation and characteristics of polycrystalline SnO<sub>2</sub> gas sensor" Submitted to the Molecular and spectroscopic,2014.

## Abstract of Papers Published in Abstracts Proceedings Conference البحوث التي نشرت ملخصات وقائع المؤتمرات

- 1- A. A. Kazzaz; **Nathera Abass Ali**; " A study of the effect of light on the anthracene solution which dissolved in chloroform"; Physics Conference of the Association of Physics and Mathematics, at the University of Anbar, 1994.
- 2- "Effect of NaCl on the spectral of cresylviolet(cv)-sodium dodecyl sulphate (SDS) complex. ". **Nathera A.A.Al-Tememe**; Sundus M A Al-dujayli; CSASC English Ver.,college of science Bbylon Univ. 4<sup>th</sup> Scientific Conference ; 4 , (2009).
- 3- **Nathera Abass Ali Al-Tememe**, Nada M. Saeed, " Effect of sulfide on CdS Thin Films Prepared by Spray Pyrolysis"; Sundus M A Al-dujayli, "; 4<sup>th</sup> International Scientific Conference of Salah addin University-Erbil; October 18-20,2011 Erbil, Kurddistan, Iraq
- 4- The Dynamic Evolution of the shell Nebulae by using Interacting Stellar Wind Mode (ISW)"; Bahaa T. Chaid; **Nathera Abass Ali. Al-Tememe**; Muhamed A.Abutaib; Sundus A.Abdullah; **الرابع لكلية التربية الاساسية / جامعة بابل؛ ٢٠١١ / بحوث المؤتمر العلمي**

- 5 -Bahaa T. Chaid; **Nathera Abass Ali. Al-Tememe**; Muhamed A.Abutaib; Sundus " A.Abdullah " Evolution of asymptotic giant branch (AGB) with the mechanism of mass loss by using synthetic model" National Conference of Physics, Baghdad University, College of Science, Physics Department, University of Babylon, College of Education Sciences sheer, 2012.
- 6- Nathera **A. Al-tememe**, Nada M. Saeed, Sundus M. A. Al-dujayli, and, Bahaa T. Chaid "The effect of Zn Concentration on the optical properties of Cd<sub>1-x</sub>Zn<sub>x</sub>S films for Solar Cell Applications); The International Conference on Renewable Energy: Generation and Applications; Al-Ain, UAE; Mechanical Engineering Department; Faculty of Engineering; United Arab Emirates University;2012
- 7- **Nathera Abass Ali. Al-Tememe**; Bahaa T. Chaid; Muhamed A.Abutaib; Sundus " A.Abdullah "THE EFFECT OF METALLICITY ON THE AGB STARS EVOLUTION By USING SYNTHETIC MODEL" The First World Conference for remote sensing technologies, Baghdad University College of Science and Remote Sensing Unit, 2012.
- 8- **نديرة عباس علي التميمي**; بهاء طعمة جواد؛ زينب صبيح صادق ؛ سرمد صالح مهدي العواد؛"دراسة الظروف القياسية لتحضير جسيمات الفضة النانوية بطريقة الاختزال الكيميائي" مؤتمر كلية العلوم جامعة كربلاء ٢٠١٣
- 9- **Nathera Abass Ali Al-Tememe**; Bahaa T. Chaid; Mohammed K. Khalaf; Fwad T. Ibrahim;"Electrical Discharges Characterization of Planar Sputtering System"; Conference of Education College at Al-Mustansirya University, Baghdad Iraq, 24-25/4/2013.
- 10- **لمخرجات ; التسويق الإلكتروني:نديرة عباس علي:صفء حسام الساموك-** The المركز الافتراضي لتسويق مخرجات الجامعات العراقية انموذجا;الجامعات العربية International Conference of Integration between the Outcomes of Education and Labor Market in Public and Private Sectors, Al-Balqa Applied University, Amman, Jordan, 13-16/5/2013.
- 11- Baha T. Chiad; **Nathera A. Ali**; Nagam Th. Ali<sup>2</sup>; "Study the Optical and Structural Properties of SnO<sub>2</sub> Films grown by (APCVD)"; Scientific Conference Specialist II for the colleges of Science, Agriculture and Veterinary Medicine, Wasit University, 2013.
- 12- **Nathera Abass Ali Al-Tememe**; Baha T. Chiad ; Nagam Thamer Ali "Prepare high quality SnO<sub>2</sub> films grown by (HPCVD)"; Fourth Conference of the International Nanotechnology, In collaboration with the University of Technology, 2013.
- 13- **Nathera Abass Ali Al-Tememe**; Baha T. Chiad ; Nagam Thamer; " Study the effect of Annealing Temperature on Different properties for Tin Oxide (SnO<sub>2</sub>) Thin Film prepared By APCVD" Second Scientific Conference of the feminist, Ministry of Science and Technology 2014.
- 14- **Nathera Abass Ali Al-Tememe**; Baha T. Chiad ; Nagam Thamer; " Preparing nanostructure SnO<sub>2</sub> thin films by using APCVD" 15<sup>th</sup> scientific conference, Al-Ma'moon

University College, 2014 .

15- **Nathera Abass Ali Al-Tememe**; Nagham Ali Hussein" Natural yellow3 for dye sensitized solar cell" , 1<sup>st</sup> international Conference on laser Applications and Advanced Materials, University of Technology 2014.

16-**Nathera Abass Ali Al-Tememe**; Baha T. Chiad ; Nagam Thamer; Manufacturing a Conducting glass (TIO) by using (APCVD) technique; المؤتمر العلمي الثالث لكلية العلوم جامعة كربلاء للفترة ٢٥-٢٦ شباط ٢٠١٥.

17- **Nathera Abass Ali Al-Tememe**; Nagham Ali Hussein" Natural yellow3 for dye sensitized solar cell" , Nanotech Dubai 2015 International Conference and Exhibition, Dubai-UAE,2015.

18- **Nathera Abass Ali Al-Tememe**; Baha T. Chiad ; Nagam Thamer; Nanotech Dubai 2015 International Conference and Exhibition, Dubai-UAE,2015

19- **Nathera Abass Ali Al-Tememe**; Bahaa T. Chaid;Mohammed K. Khalaf; Fwad T. Ibrahim; Conference of Education College at Al-Mustansirya University, Baghdad Iraq, 22-23/4/2015.

### **Awards and Certificates of Appreciation:Many such as الشكر والتقدير**

No.	Name of Awards and	Donor	Year
1-	Thanks and appreciation	Dean of the College of Science	2001
2-	Thanks and appreciation	Dean of the College of Science	2006
3-	Thanks and appreciation	Head of the Department of Surveying Engineering	2007
4-	Thanks and appreciation	Associate Dean for Scientific Officer	2007
5-	Thanks and appreciation	Dean of the College of Science	2008
6-	Thanks and appreciation	Dean of the College of Science	2008
7-	Thanks and appreciation	Dean of the College of Science	2009
8-	Thanks and appreciation	Dean of the College of Science	2009



9-	Thanks and appreciation	President of the Association of teachers	2009
10-	Thanks and appreciation	Dean of the College of Science	2009
11-	Thanks and appreciation	Minister for the Environment	2009
12-	Thanks and appreciation	Dean of the College of Science	2009
13-	Thanks and appreciation	Minister of Higher Education	2010
14-	Thanks and appreciation	Minister of Higher Education	2010
15-	Thanks and appreciation	President of the University of Baghdad	2010
16-	Thanks and appreciation	President of the University of Baghdad	2010
17-	Granting increase of service	President of the University of Baghdad	2010
18-	Granting increase of service	President of the University of Baghdad	2010
19-	Thanks and appreciation	Dean of the College of Science	2010
20-	Thanks and appreciation	Dean of the College of Science	2011
21-	Thanks and appreciation	Dean of the College of Science	2011
22-	Thanks and appreciation	Dean of the College of Science	2011
23-	Thanks and appreciation	Dean of the College of Science for Girls	2011
24-	Thanks and appreciation	Dean of the College of Science	2011
25-	Thanks and appreciation	Dean of the College Basic Education / University of	2011
26-	Thanks and appreciation	Vice Chancellor for Academic Affairs	2011
27-	Thanks and appreciation	Assistant President the University of Baghdad administrative	2012

28-	Thanks and appreciation	Dean of the College of Science	2012
293031---	Thanks and appreciation	Dean of the College of Mathematics and Computer / University of Qadisiyah	2012
32	Thanks and appreciation	President of the University of Baghdad	2012
33-	Thanks and appreciation	President of the University of Baghdad	2012
34-	Granting increase of service	President of the University of Baghdad	2012
35-	Granting increase of service	President of the University of Baghdad	2012
36-	Thanks and appreciation	Assistant President the University of Baghdad administrative	2012
37-	Thanks and appreciation	Dean of the College of Science	2012
38-	Thanks and appreciation	President of the University of Baghdad	2013
40-	Granting increase of service	President of the University of Baghdad	2013
41-	Thanks and appreciation	Dean of the College of Science/ Babylon University / Faculty of Education, Science Pure	2013
42-	Thanks and appreciation	Assistant President the University of Baghdad scientific	2013
43-	Thanks and appreciation	Dean of the College of Science/ University of Karbala	2013
44-	Thanks and appreciation	Dean of the College of Education / University of Mustansiriya	2013
45-	Thanks and appreciation	President of the University of Baghdad	2013
46-	Granting increase of service	President of the University of Baghdad	2013
47-	Thanks and appreciation	Dean of the College of Science/ University of Dhi Qar	2013

48-	Thanks and appreciation	President of the University of Baghdad	2013
49-	Granting increase of service	President of the University of Baghdad	2013
50-	Thanks and appreciation	Assistant President the University of Baghdad	2013
51-	Thanks and appreciation	President of technology University	2013
52-	Thanks and appreciation	Dean of the College of Science/ Wasit University	2013
53-	Thanks and appreciation	Dean of the College of Science	2013
54-	Thanks and appreciation	Minister of Higher Education	2013
55-	Thanks and appreciation	President of the University of Baghdad	2013
56-	Granting increase of service	President of the University of Baghdad	2013
57-	Thanks and appreciation	Director General of the Hospital Wasti	2013
58-	Thanks and appreciation	Dean of Nanotechnology/University of Technology	2013
59-	Thanks and appreciation	Director General of the Ministry of Science and	2014
60-	Thanks and appreciation	Head of the Department of Applied Science / Technology	2014
61-	Thanks and appreciation	Dean of the College of Science	2014
62-	Thanks and appreciation	Dean of the the College of Engineering - Khwarizmi /	2014
63-	Thanks and appreciation	Dean of the College of Science/ Wasit University	2014
64-	Thanks and appreciation	Dean of the Al-Ma'moon University College	2014
65-	Thanks and appreciation	Minister of Higher Education	2014

66-	Thanks and appreciation	President of the University of Baghdad	2014
67-	Thanks and appreciation	President of the University of Baghdad	2014
68-	Granting increase of service	President of the University of Baghdad	2014
69-	Granting increase of service	President of the University of Baghdad	2014
70-	Thanks and appreciation	Dean of Material Department /University of Technology	2014
71-	Thanks and appreciation	Dean of Material Department /University of Technology	2014
72-	Thanks and appreciation	Dean of the College of Science/ Babylon University	2015
73-	Thanks and appreciation	Dean of the College of Education / University of Mustansiriya	2015
74-	Thanks and appreciation	President of the University of Baghdad	2016
75-	Thanks and appreciation	Dean of the College of Science/ Babylon University	2016
76-	Thanks and appreciation	Dean of the College of Science/ Baghdad University	2016
77-	Thanks and appreciation	Dean of the College of Education / University of Mustansiriya	2016
78-	Thanks and appreciation	President of the University of Baghdad	2016

اعمال اخرى

استخدام بحوثنا من قبل Employ Researches

1-Dear Colleague

It is a pleasure for me to inform you that the **Acquisitions Department of All-Russian Institute of Scientific and Technical Information VINITI**, (20 Usievich St, Moskow 125190, Russia; Tel 007.095.1554207, Fax 007.095.9430060, e-mail: [acq@viniti.ru](mailto:acq@viniti.ru)) has chosen, to evidientiate it in its “**Abstracts Journal**”, the following paper of yours:

**Abstracts Journal, Series: Chemistry of High-molecular Compounds, 2011, № 11**

**Abstract 11.11-19C.349**

**Atti Fond. G. Ronchi 2009, Vol.64, issue n.6, pp. 797-803**

*Study of synthesis of nanocrystalline CdS thin film in PVA matrix by chemical bath deposition / Al-Tememee Nathera Abass*

**With many thanks for your collaboration to my journal, I send you my best regards,**

**Laura Ronchi Abbozzo**

2- Dear Dr. Nathera Al-Tamemee,

Your paper, titled “[Study the Effect of Irradiation Time and HF Concentration on Porosity of Porous Silicon and Study Some of the Electrical Properties of its Based Device](#)” and published in *Advances in Materials Physics and Chemistry (AMPC)*, has been downloaded **858** times. It proves to be one of the most popular papers in the journal. Congratulations!

AMPC is an open access, online, peer-reviewed journal and has been indexed by several world class databases. For more information, please visit [www.scirp.org/journal/AMPC](http://www.scirp.org/journal/AMPC). An open access paper can get more views and citations during its life circle.

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## Other works commissioned Performed اعمال اخرى كلفت بها

محليا: مناقشة العديد من طلبة الماجستير والدكتوراه في جامعتنا والجامعات العراقية الاخرى

1- Locally: a- Thesis have been discussed of Master students numbered (27)

b- Thesis have been discussed and Doctor students numbered (27)

c- Evaluation of research for the purpose of promotion تقييم بحوث للترقية

العلمية والمبعوثة من الجامعات العراقية

2- Universally:

عالميا:

A- Evaluation of research for the purpose of promotion: تقييم بحوث للترقية العلمية والمبعوثة من جامعة الحسين بن طلال

Dear Prof. N .A .

You have been selected to evaluate the promotion application to the rank of Associate professor of one of our faculty members in the field of

**Molecular Physics -Nano Physics**

Please let me Know if you accept to evaluate the candidate's work so that we can send the appropriate documents. Your time and efforts are highly appreciated . However, the University will pay a honorarium according to the university regulations.

Sincerely Yours,  
**Prof. Taha Al- Khamis**

President of Al-Hussein Bin Talal University

Jordan

## B- Evaluation of scientific research تقييم بحث مبعوث من المجلة الامريكية

### Materials Physics and Chemistry (AMPC)

Dear **Nathera Al-Tamemee**,

This email is sent from Advances in Materials Physics and Chemistry (AMPC), Scientific Research Publishing (<http://www.scirp.org/journal/ampc>). Since your previous contribution to the research field, we are writing to invite you with pleasure to review the following paper(s).

Paper ID:( 1510263)

Paper Title: Review of the concepts of P-clay Flexible Substrate Suitable for OLED and Solar cell applications

Abstract:

One of the latest applications of OLED is witnessed in the visible light communication (VLC) in this decade. Flexibility in the physical structure of the OLED lighting would improve the candidature for its VLC application. In this letter, a theoretical review on the flexible substrate known as P-clay and the materials used for the synthesis of this substrate to improve the flexibility of OLED device are given. This analysis extends to the examination of its important properties such as sheet resistance, transparency, transmittance, and thermal stability in addition to its flexibility.

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