

السيرة الذاتية



الدكتور زياد عدنان صالح

تاريخ الميلاد: بغداد 30/12/1958

التخصص: الفيزياء الجزيئية

الوظيفة: استاذ جامعي

الدرجة العلمية: استاذ مساعد

عنوان العمل: قسم الفيزياء، كلية العلوم، الجامعة المستنصرية

البريد الالكتروني: zeyad_saleh1958@yahoo.com

الشهادات العلمية:

- 1- بكالوريوس. في الفيزياء، كلية العلوم، الجامعة المستنصرية، 1980
- 2- ماجستير في الفيزياء، كلية العلوم - الجامعة المستنصرية 1989
- 3- دكتوراه في الفيزياء الجزيئية، كلية العلوم، جامعة بغداد 2005

ملخص مهني:

مدرس ، تربية الكرخ . 1987-1991

مدرس مساعد ،كلية العلوم / جامعة الانبار 16-6-1991 لغاية 28-1-2006

مدرس ، كلية العلوم/ الجامعة المستنصرية 28-1-2006 لغاية 8-6-2008

استاذ مساعد كلية العلوم /الجامعة المستنصرية 8-6-2008

المؤتمرات:

- 1992 مؤتمر الجمعية العراقية للفيزياء والرياضيات
4th Saudi Tech. Conf. and Exhibition, 2006
2008 (كلية العلوم جامعة بغداد-قسم الفيزياء) (حلقة نقاشية للنانونتكنولوجي)
2009 ثلاثة بحوث منشورة (جامعة بغداد-كلية العلوم) مؤتمر العلوم التاسع
5th Saudi Tech. Conf. and Exhibition, Riyadh, 11-14 Jan. 2009
2010 مؤتمر كلية العلوم جامعة الانبار
2010 الجامعة المستنصرية-مؤتمر كلية العلوم
2012 مؤتمر كلية التربية -الجامعة المستنصرية
2013 International Conference on Chemistry, At Istanbul, Turkey
2016 المؤتمر الاول للجامعة التقنية الجنوبية

Conference: 1st International Scientific Conference of Al-Ayen University , Nasiriya,
Thi-Qar, Iraq March /2019

المواد التي قُمت بتدريسها:

المرحلة الثالثة/الاطياف
المرحلة الاولى/الميكانيك وخواص المادة
المرحلة الاولى/الفيزياء لطلبة الكيمياء
المرحلة الاولى/الفيزياء لطلبة الرياضيات
المرحلة الاولى/الفيزياء لطلبة علوم الحياة
المرحلة الثالثة/الالكترونكس
المرحلة الاولى/الكهربائية والمغناطيسية
المرحلة الرابعة/الفيزياء الجزيئية
ماجستير/الاطياف الذرية والجزيئية
دكتوراه/الاطياف الذرية والجزيئية
مختبرات الميكانيك والكهربائية والذرية والبصريات والكترونكس الثرموداينمك ومختبرات العامة لطلبة الاقسام
الاخرى

الدورات التأهيلية:

- دورة طرائق التدريس التأهيلية .
 - دورة الحاسبات .
 - المشاركة في ندوات التعليم المستمر في الكلية و في الجامعة
 - المشاركة في ورش عمل في قسم الفيزياء – في الكلية- في الجامعة وفي الجامعات العراقية
 - التدريب في LD Didactic GmbH على بعض من التجارب المختارة والخاصة بقسم الفيزياء والكائن مقرها في Hürth بالقرب من مدينة كولونيا (المانيا) والحصول في نهاية الدورة على شهادة تدريب .
 - مؤتمرات الجامعة المستنصرية والجامعات العراقية
- الاتسباب المهني:**
- عضو هيئة إدارية لمجلة كلية الكوت الجامعة
 - عضو نقابة المعلمين
 - ...
- اللجان العلمية:**
- لجنة الدراسات العليا / قسم الفيزياء .
 - اللجنة العلمية / قسم الفيزياء .
 - اللجنة الامتحانية في قسم كلية العلوم جامعة الانبار/ الدراسات الاولى .
 - لجنة تطوير المختبرات البحثية / الدراسات العليا
 - لجنة تطوير مفردات المناهج الدراسية / رئيس . / عضو لجنه
 - عضولجنة التعليم المستمر
 - لجنة مناقشة مشاريع التخرج / رئيس . / عضو لجنه
 - لجنة استلال اطاريج للدراسات العليا / رئيس . / عضو لجنه
 - لجنة كتابة دليل القسم / عضو لجنه
 - لجان استلال للترقيات / رئيس . / عضو لجنه
 - لجنة استلام الأجهزة المختبرية / عضو لجنه
 - رئيس لجنة الأستلال الإلكتروني والورقي في القسم ل
 - عضولجنة استلال في مجلة كلية علوم المستنصرية

الخبرة الاستشارية:

- خبير لدى الجهاز المركزي للتقييس و السيطرة النوعية
- خبير تقييم بحوث الترقبات العلمية للعديد من الجامعات العراقية
- عضو لجان مناقشات في العديد من الجامعات العراقية رئيس لجنة ، عضو لجنة

التشكرات والشهادات التقديرية :

العديد من كتب الشكر من معالي الوزير والسادة رئيس الجامعة المستنصرية وعميد الكلية وعمداء الكليات في الجامعات العراقية الاخرى والسيد مير عام الجهاز المركزي للتقييس والسيطرة النوعية

الاشراف على الدراسات العليا :

طالبة الدكتوراه : (٨)

طالبة الماجستير : (٦)

البحوث المنشورة :

- Synthesis and Spectroscopic Characterization for Bis (salysylaldehyde) Benzidine
 - Laser-Induced Breakdown Spectroscopy (Libs): An Innovative Tool for Elemental Analysis of Soils
 - DESIGN STUDY AND SIMULATION OF A DIGITAL FIBER COMMUNICATION SYSTEM USING (OPTISYSTEM.10)
 - Synthesis, Characterization and DFT Calculations of 1,4-diphenyl-3-(p-nitrophenylamino)-1,2,4-triazolium Hydroxide Inner Salt (Nitronitron) by H NMR, FT-IR, UV/Vis and HOMO-LUMO Analysis
 - Theoretical and Experimental Study for FT-IR and UV/VIS Spectra of 1,4-diphenyl-3-(phenylammonio)-1H-1,2,4-triazolium (inner salt) by Using DFT Approach
 - Combinational and perturbing effects of l-type doubling on Carbon dioxide
 - Calculation of New Five ParametersPotentialand Dissociation Energy for (X II) Band System of Diatomic Molecule
 - Spin –Orbit Coupling, Spin- Spin, and Electric Properties of Hydrogen Fluoride Molecule
 - Calculation of Ionization energies , electron affinities , hardnesses and electro negativites , using many bases set of many methods
 - Electronic Properties, IR and NMR Spectra of Pentacene and Some of Derivatives Electronic Properties, IR and NMR Spectra of Pentacene and Some of Derivatives
 - DFT calculation of Electronic properties, IR spectra, and NMR spectrum of tetrabromopentacene molecules
 - Calculating Structural, Electronics Structures, Electronic Properties and IR Spectra of Pentacene Molecule
 - Solvent effect on absorption and fluorescence of binaphthal ZEYAD ADNAN SALEH
 - Effect of doping (2 methyl naphthalene) on aromatic system
 - InP nanocrystals core and surface electronic structure from Ab initio calculations
 - Theoretical spectroscopic studies of potential energy curves and Fortran parabola for beryllium oxide
-
- Electronic structure of aluminum arsenide nanocrystals Using Ab initio large unit cell method
 - CALCULATION OF VARSHNI POTENTIAL, HUA POTENTIAL AND DISSOCIATION ENERGY FOR (X 1 Σ + -A 1 II) BAND SYSTEM OF SiO MOLECULE IN SUPERNOVA EJECTA INTRODUCTION
 - Study of Physical Properties for Supernova 2010jl by using Poveda Model
 - CALCULATION OF VARSHNI POTENTIAL, HUA POTENTIAL AND DISSOCIATION ENERGY FOR (X1 Σ + - A1II) BAND SYSTEM OF SiO MOLECULE IN SUPERNOVA EJECTA

- Electronic structure of aluminum arsenide nanocrystals Using Ab initio large unit cell method
 - Calculating Franck Condon Factor (FCF) for $X\ 1\ \Sigma^+ \rightarrow A\ 1\ \Pi$ Transition of SiO Molecule in Supernova Ejecta By Using Hua Potential
 - Spectroscopic Study of Electron Density and Electron Temperature for Supernova 2010jl
 - Solvent effect on absorption and fluorescence of 1-1' binaphthalene aromatic molecule
 - Simulation of Electronic Structure of Aluminum Phosphide Nanocrystals Using Ab Initio Large Unit Cell Method
 - Temperature effect on 1-1' Binaphthalene spectra molecule
 - Theoretical study of emission spectra for the isotopic molecule Lithium $Li^{16}H$ hydride
 - SPECTROSCOPIC STUDY OF NITROGEN MOLECULE WITH $B\ 3\ \Pi\ g \rightarrow A\ 3\ \Sigma^+ + u$ SYSTEM
 - Lambda doubling calculation for $K\ 2$ molecule
-
- Measurements of The Spectroscopic Properties of Hydrogen Iodide Molecules
 - دراسة تأثير المجال المغناطيسي على اشعة الليزر المارة خلال ليف بصري احادي النمط
 - حساب طول الانتشار الحراري للنيوترونات .
 - دراسة الخواص الكهربائية للسبيكة $(In_3Te_3)(Hg_3Te_3)$,
 - تأثير المجال الكهربائي الخارجي على اطياف الفلورة لمادة عضوية ١- نفتول
 - Study the compositional structure of Artifacts and determine their ages by used laser induced breakdown spectroscopy.

The Usage of Optical Wireless Communication for an Indoor Channel Link

Use Light Fidelity (Li-Fi) Technology to Transmit Images

C.V

Name: Dr. Zeya Adnan Saleh

Date of Birth: 30/12/1958

Specialization: Molecular Physics

Position: Teaching

Scientific Degree: Assist. Professor

Work Address: Physics Department, College of Science ,
Al-Mustansiriyah University

E-mail: zeyad_saleh1958@yahoo.com

Scientific Certification:

1. B. Sc. in physics, College of Science, Al-Mustansiriyah University, 1980.

2. Msc. in physics, University, Al-Mustansiriyah, 1989.

3. Ph.D. in molecular physics, College of Science, Baghdad 2005

Career:

1. Teacher, Karkg education, from 1987 – 1991.

2. Lecture, college of science, Al-Anbar University, from
16-6-1991 to 28-1-2006 until today.

3. Lecture ,College of Science, Al-Mustansiriyah University 29-1-2006 until 4-6-2008.

4. Assist. Prof. College of Science, Al-Mustansiriyah University 4-6-2008 until now.

Conferences

Conference of the Iraqi Society of Physics and Mathematics 1992

4th Saudi Tech. Conf. and Exhibition, 2006

**College of Science, University of Baghdad - Department of Physics, Seminar for Nanotechnology
2008**

Three published researches (University of Baghdad - College of Science, (2009)

5th Science Conference 5th Saudi Tech. Conf. and Exhibition, Riyadh, 11-14 Jan. 2009

Conference of College of Science Anbar University 2010 Mustansiriya University-Conference of

College of Science 2012 Conference of College of Education-University of Mustansiriya 2012

International Conference on Chemistry, At Istanbul, Turkey 2013

1st Conference of Southern Technical University Materials I , 2016

**1st International Scientific Conference of Al-Ayen University, Nasiriya, Thi-Qar, Iraq March
2019**

Teaching:

Class III Physics for Chemistry Students
 Class I / Physics for Mathematics Students
 Class I / Physics for Life Sciences Students Phase III / Electronics
 Class I / Electrical and Magnetic
 Class IV / Molecular Physics
 MSc / Atomic and Molecular Spectroscopy
 PhD / Atomic and Molecular Spectroscopy
 Laboratories of Mechanics, Electrical Atomic, Optics, Thermodynamics and General
 Laboratories for Students of other Departments

Qualifying Courses: -

Qualifying Teaching Methods Course.

- Participation in workshops in the Department of Physics - colleges in the different Iraqi universities.

- Training at the Didactic LD GmbH on selected experiments of the Department of Physics and Object based in Hürth near Cologne (Germany) and obtain at the end of the course a training certificate.

- Conferences Mustansiriyah University and Iraqi universities

Professional Affiliation: -

Member of the Teachers Association Kut University Scientific Committees:

- Graduate Committee / Department of Physics

- Scientific Committee / Department of Physics

- Examination Committee in the College of Science - Anbar University / preliminary studies

- Committee to develop research laboratories / Graduate Studies

- Committee to develop the vocabulary curriculum / Chairman, Member Committee of

Continuing Education

- Committee for Graduation Projects Discussion / Chairman / Member of the Committee

- Obtaining Theses for Postgraduate Studies / Chairman / Member of the Committee

- Receiving Committee of Laboratory Equipment / Member of the Committee of Promoting Committees / Chairman.

Chairman of the electronic and paper Astal Committee in the Department for

- Member of the Astal Committee in the Journal of the College of Science Mustansiriyah

Consulting Experience: -

Expert at the Central Organization for Standardization and Quality Control - Khabiler evaluation of scientific promotions research for many Iraqi universities

- Member of discussion committees in many Iraqi universities Thanks Certificates of appreciation:

Many thanks from the Minister,

President of Mustansiriyah University,

Dean of the College and deans of colleges in other Iraqi universities Central Organization for Standardization and Quality Control Supervision of Graduate Studies:

Ph.D. (9)

M.sc. 7

Publications:

دراسة تأثير المجال المغناطيسي على اشعة الليزر المارة خلال ليف بصري احادي النمط، مجلة ديالى العدد 12 ، 2002

حساب طول الانتشار الحراري للنيوترونات ، مجلة الفتح ، العدد 13، 2002.

دراسة الخواص الكهربائية للسبيكة $(\text{In}_3\text{Te}_3)(\text{Hg}_3\text{Te}_3)$ ،

مجلة الفتح، العدد 14، 2002

Theoretical and Experimental Study for FT-IR and UV/VIS Spectra of 1, 4-diphenyl-3-(phenylammonio)-1H-1, 2, 4-triazolium salt by Using DFT Approach

SMA Ridha, ZA Saleh, FW Askar

Physical Chemistry 5 (1), 6-15

Synthesis, Characterization and DFT Calculations of 1, 4-diphenyl-3-(p-nitrophenylamino)-1, 2, 4-triazolium Hydroxide (Nitronitron) by ^1H NMR, FT-IR, UV/Vis and HOMO ...

ZA Saleh, FW Askar, SMA Ridha

Int. J. Mater. Chem 5, 31-43

CALCULATION OF VARSHNI POTENTIAL, HUA POTENTIAL AND DISSOCIATION ENERGY FOR ($X1\sigma-A1\pi$) SYSTEM OF SiO MOLECULE IN SUPERNOVA EJECTA

ZA SALEH

J. International Journal of Applied and Natural 2 (3)

Electronic structure of aluminum arsenide nanocrystals Using Ab initio large unit cell method

HR Jappor, ZA Saleh, MA Abdulsattar

Journal of University of Babylon 21 (7), 2464-2476

Calculation of the vibration intensity of electronic states X, A, B of Na₂ molecule

DH AL-AMIEDY, DK TAHA, ZA Saleh

Atti Della Fondazione Giorgio Ronchi Anno LXIV N. 5, 771

Energy transfer between anthracene and p-terpheny molecules

Z.A.Saleh and H.J.

مجلة كلية التربية 1، 148-131
Journal of College of Education

DFT calculation of Electronic properties, IR spectra, and NMR spectrum of tetrabromopentacene molecules

DH Al-Amiedy, ZA Saleh, RK Al-Yasari

Journal of Chemical, Biological and Physical Sciences (JCBPS) 4 (3), 2434

Spin-Orbit Coupling, Spin-Spin, and Electric Properties of Hydrogen Fluoride Molecule

DH Al-Amiedy, ZA Saleh, RK Al-Yasari

Journal of Chemical, Biological and Physical Sciences (JCBPS) 4 (2), 1432

Calculating Structural, Electronics Structures, Electronic Properties and IR Spectra of Pentacene Molecule

DH Al-Amiedy, ZA Saleh, RK Al-Yasari

International Journal of Advanced Research in Physical Science (IJARPS ...

Calculating Franck Condon Factor (FCF) for $X1S^+-A1^?$ Transition of SiO Molecule in Supernova Ejecta by Using Hua

AN Ayyash, ZA Saleh

Journal of Physical Science and Application 4 (1), 64

Performance Evaluation of Experimental Digital Optical Fiber Communication Link

AMR Dr.Zeyad A. Saleh,Dr.Shehab A. Kadhim

International Journal of Innovative Research in Science, Engineering and ...

Performance Evaluation of Experimental Digital Optical Fiber Communication Link

SA Kadhim, ZA Saleh, AM Raoof

Performance Evaluation 6 (10)

Bis (Salysylaldehyde) Benzidine for the Highly Selective Cu²⁺-Sensing by Fluorescence Quenching

ZA Saleh, DK Kafi

Indian Journal of Science and Technology 10, 27

Synthesis and Fluorescence Spectrum of N, N'Bis (2-Hydroxy Benzylidene) Benzidine with Different Solvents and Diff

ZA Saleh, DK Kafi

American Journal of Optics and Photonics 5 (4), 36-44

Synthesis and Spectroscopic Characterization for Bis (salysylaldehyde) Benzidine

ZA Saleh, DK Kafi

Physical Chemistry 6 (2), 49-56

Electronic Properties of NaOH Experimental and Theoretical Fluorescence Study

ZA Saleh, DK Taha

Australian Journal of Basic and Applied Sciences 9 (7), 54-62

Combinational and Perturbing Effects of l-Type Doubling on Carbon Dioxide
Z Saleh, D Taha

Effect of Solvent Polarity on Quantum Yields and lifetimes of 9, 10-Diphenylanthracene Molecule
ZA Saleh, MM Jassem
Journal of College of Education, 115-130

Study of Physical Properties for Supernova 2010jl by using Poveda Model
ZA Saleh, AN Ayyash
International Journal of Science and Technology 3 (2)

Theoretical Study of Substituent Effects on Electronic and Structural Properties, Dipole polarizability and IR-spectrum of ...
molecules as promising organic molecular ...
ZA Saleh, SJ Lafta, AT Mohi
Journal of College of Education, 227-246

Spectroscopic Study Of Light Curve And Physical Properties For SN2010jl
AN Ayyash, ZA Saleh
Journal of university of Anbar for Pure science 7 (1), 134-140

Calculating Franck Condon Factor (FCF) for $X1\sigma-A1\pi$ Transition of SiO Molecule in Supernova Ejecta By Using Hua F
AN Ayyash, ZA Saleh
Journal of Physical Science and Application 3, 6

Theoretical spectroscopic studies of potential energy curves and Fortran parabola for beryllium oxide molecule
ZA Saleh, DH Al-Amiedy, MW Mahmod
Iraqi Journal of Physics 11 (22), 93-101

Solvent effect on absorption and fluorescence of 1-1'binaphtalene aromatic molecule
ZA Saleh, DH Al-Amiedy, AM Al-Hello, SJ Al-Obaidi
International Journal of Physical Sciences 7 (35), 5334-5338

Struttura della materia-Temperature effect on 1-1'Binaphthalene spectra molecule
ZA Saleh, DH Al-Amiedy, AM Al-Hello, SJ Al-Obaidi
Atti della Fondazione Giorgio Ronchi 67 (3), 393

Fisica della materia-Calculation of the absorption intensity of electronic states X, A, B of Na₂ molecule
DH Al-Amiedy, ZA Saleh, DK Taha
Atti della Fondazione Giorgio Ronchi 64 (3), 379

Measurements of The Spectroscopic Properties of Hydrogen Iodide Molecules
ZA Saleh
Baghdad Science Journal 5 (3), 446-448

InP nanocrystals core and surface electronic structure from Ab initio calculations
HR Jappor, MA Abdulsattar, ZA Saleh

Simulation of Electronic Structure of Aluminum Phosphide Nanocrystals Using Ab Initio Large Unit Cell Method
HR Jappor, ZA Saleh, A Mudar
Hindawi Publishing Corporation Advances in Materials Science and Engineering

Journal of Chemical, Biological and Physical Sciences
DH Al-Amiedy, ZA Saleh, RK Al-Yasari

Laser-Induced Breakdown Spectroscopy (Libs): An Innovative Tool for Elemental Analysis of Soils

MS Mahdee, ZA Saleh, TZ Taban

INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY DESIGN STUDY A
SIMULATION OF A DIGITAL FIBER COMMUNICATION SYSTEM USING (OPTISYSTEM. 10)
SA Kadhim, ZA Saleh, AM Raoof, AT Lateef

Electronic Properties, IR and NMR Spectra of Pentacene and Some of Derivatives
DH Al-Amiedy, ZA Saleh, RK Al-Yasari, BH Al-Zaidi

for diatomic molecules
ZA SALEH
Atti della Fondazione Giorgio Ronchi' 1, 197

SPECTROSCOPIC STUDY OF NITROGEN MOLECULE WITH B $3\Pi_g$ -A 3σ SYSTEM
DH Al-Amiedy, BT Chiad, ZA Saleh

Transition probabilities in the AZZ-XZH electronic systems of OH
BT CHIAD, DH AL-AMIEDY, ZA SALEH
Atti Della Fondazione Giorgio Ronchi Anno LXI N. 5, 527

Temperature effect on 1-1'Binaphthalene spectra molecule
FG RONCHI, ZA SALEH, DH AL-AMIEDY, AM AL-HELLO, SJ AL-OBAIDI

Lambda doubling calculation for K₂ molecule
DH Al-Amiedy, ZA Saleh

Franck-Condon factor and dissociation energy for OH free radical
ZA SALEH, DH AL-AMIEDY, BT CHIAD
Atti Della Fondazione Giorgio Ronchi Anno Anno LX N. 3, 439

Franck-Condon Factor and dissociation energy measurements of Be 9 F 19 molecules
KS Wadi, DH Al-Amiedy, ZA Saleh

Rotation Effect On Morse Potential For CN Molecule
ATD Huson, DH Al-Amiedy, ZA Saleh

Calculation of Ionization energies, electron affinities, hardnesses and electro negativites, using many bases set of many r
ZA Saleh, DK Taha

Calculation of the absorption intensity
DH AL-AMIEDY, ZA SALEH, DK TAHA
Atti della Fondazione Giorgio Ronchi, 379

Lambda doubling calculation for Rb₂ molecule
ZA SALEH
Atti Della Fondazione Giorgio Ronchi Fondata Da Vasco Ronchi, 865

Asian Journal of Biochemical and Pharmaceutical Research
DH Al-Amiedy, ZA Saleh, RK Al-Yasari

Use Light Fidelity (Li-Fi) Technology to Transmit Images
Hassan Aljaleely, Zeyad Adnan Saleh and Mazin Ali A. Ali

