

CURRICULUM VITAE

جامعة الأزهر
Al-Azhar University-Gaza



Hassan Salem Ashour

Last Update:04/03/2023

PERSONAL DETAILS

Date Of Birth	3/1/1965	Place Of Birth	Gaza
Nationality	Palestinian		
Marital Status	Married	Gender	Male
Designation	Department of physics staff member		
Department	Department of physics		
Faculty	Science		
Tel. No. (Office)			
Fax No.			
Mobile No.	+970599710485		
E-mail Address	hashour@alazhar.edu.ps hassan.ashour@gmail.com		

Address(Office)

Address (Home)

HURL

ACADEMIC QUALIFICATIONS

(YEAR , QUALIFICATION , INSTITUTION , TITLE)

2001	Doctoral Degree, PHD, University of Dayton, Ohio, USA (Photon Statistics and Laser Linewidth for Microcavity Semiconductor Lasers)
1996	Master Degree, MSC, University of Dayton, Ohio, USA (Photon Statistics of a Q-switched laser)
1987	Bachelor Degree, BSC, Islamic University, Gaza (Solar Cells Energy Conversion)

CAREER HISTORY

(START DATE - END DATE, EMPLOYMENT , ORGANIZATION)

1997 , 1998	Instructor , Wilberforce University/Department of Electrical Engineering
1996 , 1996	Teaching Assitant , University of Dayton, Ohio/Department of Physics
1998 , till now	full time physics member , Al-Azhar University- Gaza/Department of Physics

ADMINISTRATIVE DUTIES

(START_DATE - END_DATE , ROLE ,LEVEL)

2006 ,2007	Department of Physics committee member for physics department old Plans, ,Department
2007 ,2008	Faculty of Science committee Member for New Departments and Fields of study, ,Faculty
2009 ,2011	Department of Physics committee member for physics Labs, ,Department
2009 ,2010	Department of Physics committee head for Academic Plans, ,Department
2009 ,2010	Department of Physics committee member for Course Description, ,Department
2010 ,2011	Head of Scientific Books Inspection Committee at the University Central Library ,University
2009 ,2010	ICBAS2010 organizing committee member ,Faculty
2012 ,2013	Head of Master of Physics Program Committee ,Department
2011 , till now	University Academic Quality Board member, 2011-current ,Faculty
2012 ,2013	Faculty of Science Guidebook development and preparation committee head 2012 ,Faculty
2012 ,2013	Committee member of UNESCO Chair in Astronomy, Astrophysics and Space Sciences (964) ,University
2012 ,2013	Committee member in the technical board to develop planning and quality assurance website ,University
2015 , till now	Journal of Al-Azhar University for natural sciences, committee member ,University
2014 , till now	Master Degree advisory committee member ,Department
2006 ,2006	Deputy dean of Graduate studies and Scientific research ,Faculty
2010 ,2011	Head of Physics ,Department
2007 ,2008	Head of Physics ,Department

PROFESSIONAL AFFILIATION/MEMBERSHIP

(YEAR ,ORGANISATION ,ROLE ,LEVEL)

1996 Optical Society of America, OSA,member,International

AREAS OF EXPERTISE

(AREA)

Quantum Electronics, , Quantum Theory of Semiconductor laser, , Metamaterial waveguides and Sensors structures. , Quantum Gates. ,

SELECTED PUBLICATIONS

- (Book \ Chapter in Book)

- 1 Hassan S. Ashour (2012) . Waves and Optics lab Manual, Al-Azhar University- Gaza student library , Gaza- Palestine
- 2 Hassan S. Ashour, Naji Al-Dahoudi, Amal Al-Kahlout (2011) . Solution Manual to Physics to Medical Sciences, Upon deman, Gaza- Palestine
- 3 Hassan S. Ashour (2011) . Electric Circuits lab Manual, Al-Azhar University- Gaza student library , Gaza- Palestine
- 4 Hassan S. Ashour, Amal Al-Kahlout, Naji Al-Dahoudi (2011) . General Physics lab Manual, Al-Azhar University- Gaza student library , Gaza- Palestine
- 5 Hassan S. Ashour, Naji Al-Dahoudi, Amal Al-Kahlout, (2011) . Physics to Medical Sciences, Al-Azhar University- Gaza student library , Gaza- Palestine
- 6 Hassan S. Ashour (2011) . Electronic Circuits lab Manual, Al-Azhar University- Gaza student library , Gaza- Palestine

- 1 Khedr M. Abohassan, Hassan S. Ashour (2022) . Demultiplexers for DWDM applications using one-dimensional planar binary photonic crystals defected with ZnS xSe1-x ternary alloys,JOURNAL OF NANOPHOTONICS,16(1) ,. (SCOUPS Cited Publication)
- 2 Khedr M. Abohassan, Hassan S. Ashour, Mazen M. Abadla (2021) . Tunable wide bandstop and narrow bandpass filters based on one-dimensional ternary photonic crystals comprising defects of silver nanoparticles in water,Journal of Physics and Chemistry of Solids,() ,. (SCOUPS Cited Publication)
- 3 Mazen M. Abadla, Khedr M. Abohassan, Hassan S. Ashour (2021) . One-dimensional binary photonic crystals of graphene sheets embedded in dielectrics,Physica B: Condensed Matter,() ,. (SCOUPS Cited Publication)
- 4 Hassan S. Ashour, Mazen M. Abadla & Khedr M. Abohassan (2021) . TE Transmittance properties of one-dimensional symmetric quinary photonic crystals,Journal of Modern Optics,() ,. (SCOUPS Cited Publication)
- 5 Khedr M. Abohassan, Hassan S. Ashour, and Mazen M. Abadla (2021) . A 1D photonic crystal-based sensor for detection of cancerous blood cells,Optical and Quantum Electronics,() ,. (SCOUPS Cited Publication)
- 6 Khedr M. Abohassan, Hassan S. Ashour, and Mazen M. Abadla (2021) . A 1D binary photonic crystal sensor for detecting fat concentrations in commercial milk,RSC Adv.,() ,. (SCOUPS Cited Publication)
- 7 Hassan S. Ashour, Khedr M. Abohassan, Mazen M. Abadla (2021) . Defective 1D quinary photonic crystal sensors for the detection of cancerous blood cells,Optical Engineering,60(12), 127106() ,. (SCOUPS Cited Publication)
- 8 Khedr M. Abohassan, Hassan S. Ashour, Mazen M. Abadla (2021) . One-dimensional ZnSe/ZnS/BK7 ternary planar photonic crystals as wide angle infrared reflectors,Results in Physics,() ,. (SCOUPS Cited Publication)
- 9 Mazen M Abadla, Doaa Fayoumi and Hassan S Ashour (2020) . Optical properties of photonic band gaps in one dimensional binary photonic crystals with dispersive constituents,Materials Research Express,() ,. (SCOUPS Cited Publication)
- 10 Hassan S. Ashour (2013) . Near-Zero-Refractive-Index Structure at Optical Frequencies,Advances in Condensed Matter Physics,,vol. 2013(Article ID 328402) ,8 pages. (SCOUPS Cited Publication)
- 11 HASSAN S. ASHOUR, (2013) . TE Modal Dispersion in Dielectric Slab Waveguide with Lossy Left-Handed Metamaterial, ,Journal of Modern Physics,4() ,1157-1162. (ISI Cited Publication)
- 12 A. I. Ass'ad, H. S. Ashour, M. M. Shabat, (2007) . Magnetostatic Surface Waves in Ferrite-Nonlinear Nonmagnetic LHM structure,International Journal of Modern Physics B,Vol. 21(No. 12) ,1951-1960. (ISI Cited Publication)
- 13 H. Ashour, M. Sokol, L. Pedrotti, P. Rice, (2007) . Quantum Theory of Semiconductor Lasers in the Photon Number Representation, JOSA B,Vol. 24(Issue 8) ,pp. 1995-2005,. (SCOUPS Cited Publication)
- 14 H. S. Ashour, A.I. Ass'ad, M. M. Shabat, and M. S. Hamada, (2006) . Electronic conductance in binomially tailored quantum wire,Microelectronic Journal,37,() ,79-83. (ISI Cited Publication)

AWARDS AND RECOGNITIONS

(YEAR ,NAME , INSTITUTION, LEVEL)

2012-2013 ,Fulbright Scholarship for Scholars ,University of Dayton, Ohio ,International

1997-1999 ,The Dayton Area Graduate Student Institute, DAGSI, ,University of Dayton, Ohio ,National

1997 ,NAECON 1997, Best Student Award, First Runner Up ,University of Dayton, Ohio ,International

1994 ,Fulbright Student Scholarship ,Fulbright ,International

EXPERT/TECHNICAL CONTRIBUTIONS

(ACTIVITY , ORGANISATION , ROLE , FROM , UNTIL , LEVEL)

Methods and Techniques in Physics labs , QIF/AI-Azhar University- Gaza , Trainer , 2009 , 2010 , National
Safety in physics labs , QIF/AI-Azhar University- Gaza , Trainer , 2009 , 2010 , National

TEACHING

(LEVEL , COURSE)

First Degree

- * Quantum Mechanics I,
- * Modern Physics,
- * Introduction to Biophysics
- * Electronic Lab,
- * Electricity and Magnetism Lab,
- * Introduction to Microwaves,
- * General Physics I and II,
- * Special Topics: Mathematical Physics with Maple,
- * computer literacy and skills,
- * Advanced Electronics Lab,
- * Waves and Optics Lab,
- * Advanced Physics Lab
- * Solid State I and II,
- * Analog Electronics I and II,
- * Digital Electronics,
- * Heat and thermodynamics Lab,
- * Electric Circuits Lab,
- * Digital Electronic Lab,
- * Classical Mechanics I and II,
- * Waves and Optics,
- * Introduction to electronics,
- * Statistical Mechanics,
- * Solid State electronics,
- * Introduction to Computational physics,
- * Electric Circuits,
- * Circuit Theory I and II,
- * Special topics: physics with Maple,
- * General Physics for paramedics;
- * Heat and Thermodynamics
- * Computer Architecture
- * General Physics Lab,

Post Graduate

- * Advanced Laser physics
- * Advanced Quantum Mechanics
- * Computational Physics
- * Solid State electronics

SKILLS

(SKILL , PROFICIENCY)

TeXmacs ,Good

Maxima ,Very Good

Multisim, for electronic circuits ,Very Good

Cod 5, optical system design ,Very Good

Ms Office ,Excellent

Python ,Good

C language ,Excellent

MathCad ,Good

Matalb ,Very Good

Maple Program ,Excellent

TRAINING COURSES

(YEAR , COURSE NAME , PLACE , INSTITUTION , PERIOD)

2015 ,Professional development of teacher educators through the Teacher Educator Enhancement Program (TEEP) ,Gaza ,Al-Azhar University-Gaza/AMIDEAST ,6 month

2011 ,Reflective Teaching Skills ,Gaza ,Al-Azhar University-Gaza/AMIDEAST/USAID ,2 month

2011 ,Critical Thinking, Problem Solving, and Decision Making Skills ,Gaza ,Al-Azhar University-Gaza/AMIDEAST/USAID ,1 month

2010 ,INEE Minimum Standards of Education in Emergencies ,Gaza ,3. UNSCO and Al-Azhar University-Gaza ,2 month
