

CURRICULUM VITAE

جامعة الأزهر
Al-Azhar University-Gaza



Hana Mohammed Mousa

Last Update:09/01/2023

PERSONAL DETAILS

Date Of Birth	1/12/1963	Place Of Birth	Khanyunis-Gaza
Nationality	Palestinian		
Martial Status	Married-6-childrens	Gender	Female
Designation	Lecturer		
Department	Physics		
Faculty	Science		
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HURL

ACADEMIC QUALIFICATIONS

(YEAR , QUALIFICATION , INSTITUTION , TITLE)

Doctoral Degree, PHD,

2005 Doctoral Degree, PHD, Al-Aqsa-Ain Shams program
(Theory of nonlinear electromagnetic modes of effective medium structures)

CAREER HISTORY

(START DATE - END DATE, EMPLOYMENT , ORGANIZATION)

2005 ,2013 Post Doctoral Researcher ,
,
1995 ,2005 Lab. Instructor and lecturer ,Al-Azhar University Gaza

AREAS OF EXPERTISE

(AREA)

General: Optoelectronics. specific: Metamaterial waveguides and stability of surface waves ,

SELECTED PUBLICATIONS

- (Book \ Chapter in Book)

1 Hanaa M H Mousa () . . ,

- Article in Academic Journal

- 1 M.M. Shabat ,S. M. Abuibaid, H. M. Mousa (2021) . The Effects of Triple -Layer Antireflection Coating on Current Density of Solar Cell ,Romanian Journal of Physics ,66() ,606. (ISI Cited Publication)
 - 2 M. M. Abadla, H. M. Mousa, and · M. M. Shabat, (2018) . Nonlinear Planar Optical Waveguide Sensors Comprising Metamaterial Guiding Films at Terahertz Frequencies ,Optical and Quantum Electronics, ,(50) ,394. (ISI Cited Publication)
 - 3 H.Mousa (2012) . Stability of Nonlinear Te Surface Waves along the Boundary of Left-Handed Material ,Optics and Photonics Journal,2(2) ,123-128. (ISI Cited Publication)
 - 4 H. M. Mousa and M. M.Shabat (2011) . Electromagnetic Guided Waves in a Metamaterial-Magnetic Waveguide structure ,Int. J. Modern Physics B, 25(32) ,. (ISI Cited Publication)
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SUPERVISION

(DEGREE ,CANDIDATES ,THESIS ,SESSION ,YEAR)

- Completed**
- * Master ,3. Sahar Abu Ibad ,Modeling of solar cell structure based on multi-type of nanoparticles ,2020 ,Alazhar
 - * Master ,2. Mohammed Karmoty ,Design and simulation of solar cell structure containing conductive nanoparticles ,2019 ,Alazhar
 - * Master ,. Al Hassan Abu Ouda ,Modeling of anti-reflection coating based on conductive nano particles for solar cell structures ,2018 ,Alazhar
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TEACHING

(LEVEL ,COURSE)

- Post Graduate**
- * General physics(1),(2) , Electromagnetic theory (1),(2) , Nuclear phys.(1), Medical phys. classical mechanics, Modern phys
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