# 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 | | |
| **Tel. No. (Office)** | +972-8-2636591 | | |
| **Fax No.** | | | |
| **Mobile No.** | 0599377542 | | |
| **E-mail Address** | h.mousa@alazhar.edu.ps<br>mhana7537@gmail.com | | |
| **Address(Office)** | | | |
| **Address (Home)** | Tal-Elhawa-north of dowar el khor | | |
| **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 )

## SUPERVISION

(DEGREE ,CANDIDATES ,THESIS ,SESSION ,YEAR)

**Completed**

* Master ,3. Sahar Abu Ibid ,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

## TEACHING

(LEVEL ,COURSE )

**Post Graduate**

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