

## *Curriculum Vitae*

Adnan Hashim Mohammed

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### **PERSONAL SUMMARY:**

Dr. Anan H. Mohammed is an academic staff member (lecturer and researcher) (April 2006 - Present) at Al-Mustansiriyah University, Baghdad, Iraq.

Address: Physics Department, College of Education, Al-Mustansiriyah University, Baghdad, Iraq

Nationality: Iraqi

Status of marriage: married

Place and date of birth: Iraq –Baghdad, 1971

Title: Assistant professor

### **EDUCATION:**

- Ph.D. Physics (2011 – 2015):

Thesis Title = "Theoretical Study of the Birefringence Effect in Semiconductor Optical Amplifier"

Graduation Grade = V. Good

Physics Department,

College of Education, University of Al-Mustansiriyah

Baghdad, Iraq.

- M.Sc. Physics (1998– 2001):

Thesis Title = "Detection of Radiant Pollutant and Using Neutron Activation Analysis to Measure Nitrogen and Mineral Elements Concentration in Some Imported Foodstuff"

Graduation Grade = Good

Physics Department,

College of Education, University of Al-Mustansiriyah

Baghdad, Iraq.

- B.Sc. Physics (1990 – 1995):

Graduation Grade = Good (73.4), which ranked the 8th. out of 107 graduates. Physics Department,

College of Education, University of Al-Mustansiriyah, Baghdad, Iraq

### **ACADEMIC HONORS AND AWARDS:**

- (1) Acknowledgment – Minister of higher education and scientific research.
- (3) Acknowledgment – President of Mustansiriyah University
- (1) Acknowledgment– Dean of Education college, Mustansiriyah University

### **ACADEMIC /TEACHING EXPERIENCE:**

- Experience on antireflecting coating design software (2 years).
- (Applied GPR technology – theory and practice), for participating at the Mala Geoscience, Cairo, Egypt, 2005.
- April 2006 to till (12 years) Lecturer, Physics, College of Education, Al-Mustansiriyah University.

**COURSES TAUGHT:**

Undergraduate	Graduate
1: Geology 2006-2007 2: Classical Mechanics 2008-2009 3: Heat and properties of matter 2009-2010 4: Geometrical and Physical Optics 2010-2011 5: Electromagnetic theory 2016 to till	1: Programming by Mat Lab for PhD student 2018-2019

**PROFESSIONAL AFFILIATIONS:**

- Member of Examination Committee (one year).

**PUBLICATIONS:**

- 1: Determination of the Alpha Particles Concentration in Biological Samples in Some Governorate of Iraq by Using Nuclear Track Detector (CR-39), J. of Education College, No.6, 2009.
- 2: Measurement of Uranium concentration in Human blood in Some Region of Baghdad Governorate, Ibn Al-Haitham J. For Pure & Appl. Sci., Vol.23, issue 2, 2010.
- 3: Effect of Annealing Temperature on Optical Properties of Undoped and Antimony Doped in Oxide Thin Film, J. of College of Education College, Vol.22, No.53, 2010.
- 4: Effect Optimized Thickness on the Performance of Multilayer Antireflection Coatings for VIS and IR (3-5)  $\mu\text{m}$  Bands, Al-Mustansiriyah J. of science, Researches of the 6<sup>th</sup> conference college of science Al-Mustansiriyah university from 9-10 February, Vol.22, No.5, 2011
- 5: Effect of Birefringence on Shape and Pulse Phase in Semiconductor Optical Amplifier, special issue for scientific conference of education college 22-23 august, 2011.
- 6: Birefringence Effect on the Spectrum in a bulk Semiconductor Optical Amplifier, J. of College of Education, No.3, 2015.
- 7: Ultrafast Dynamic Effect in Presence of Different Pulse Width in Semiconductor Optical Amplifier, Vol.15, No.1, Scientific, 2017.
- 8: Studying Laser Diode Dynamics with Optical Feedback from 20cm Free Space External Resonator, Ibn Al-Haitham J. for Pure & Appl. Sci., Vol.29, issue 2, 2016
- 9: Study of Structural Properties Before and After Annealing of  $\text{SnO}_2\text{Sb SnO}_2$  Prepared by Chemical Thermal Method", The Seventeenth Scientific Conference of College Education, 5-6 May, Vol.2, 2010
- 10: Measurement of Radiant Nuclei Concentration in Some Imported Food Staff by Neutron Activation Analysis, Vol.2, No.1, 2001.
- 11: Dynamical Equation of Polarization State in Semiconductor Optical Amplifier, College of education for Pure Sciences, The forth scientific conference-the first international-education college for pure science, University of Kerbala, 12 August, 2017.