CURRICULUM VITAE

جامعة الأزهر
Al-Azhar University-Gaza

Ahmed A. El Tayyan

Last Update:12/01/2016

PERSONAL DETAILS

Date Of Birth	29/12/1958	**Place Of Birth**	Gaza
Nationality	Palestinian		
Martial Status	married	**Gender**	Male
Designation			
Department	Physics		
Faculty	Science		
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ACADEMIC QUALIFICATIONS

(YEAR ,QUALIFICATION ,INSTITUTION ,TITLE)

1998	Doctoral Degree, PHD,University of Khartoum, Khartoum, Sudan (A study of electrical and photoelectrical conductivities of Poly(9-vinylcarbazole))
1988	Master Degree, MSC,Oregon State University, Corvallis, Oregon, U.S.A (Measurements of atmospheric Sodium Abundance by direct absorption of sunlight)
1982	Bachelor Degree, BSC,Al Azhar University, Cairo, Egypt

AREAS OF EXPERTISE

(AREA)

Conducting & Photoconducting Polymers , Photovoltaics & Solar Cells , ellipsometry ,

SELECTED PUBLICATIONS

- Article in Academic Journal

1. Ahmed A. El Tayyan (2015) . Estimation of the local ideality factor of CdS/Cu(In,Ga)Se2 Interface from experimental data,European International Journal of Science and Techn,4(5) ,138-145. (ISI Cited Publication)
2. A. A. El tayyan (2015) . An approach to extract the parameters of solar cells from their illuminated I – V curves using the Lambert W function,Turkish Journal of Physics,39() ,1-15. (ISI Cited Publication)
3. Ahmed A. El Tayyan (2015) . A New Method to Extract the Electrical Parameters from Dark I-V:T Experimental Data of Cds/Cu(In,Ga)Se 2 Interface,International Journal of Advanced Research in Physical Science (IJARPS),2(8) ,11-20. (ISI Cited Publication)
4. Taher M. El-Agez, Sofyan A. Taya, Ahmed A. El Tayyan, Monzir S. Abdel-Latif and Ahed Afghjani (2013) . Electroluminescence from Single PVK Layer Organic Light Emitting Diode Using Different Dyes at Different Concentrations,Physical Review & Research, International,3(4) ,306-320. (ISI Cited Publication)
5. Ahmed A. El Tayyan (2013) . A simple method to extract the parameters of the single-diode model of a PV system,Turkish Journal of Physics,37() ,121-131. (ISI Cited Publication)
6. H. S. Musleh, T. M. El-Agez, A. A. El Tayyan, and S. A. Taya (2012) . Investigation of the effect of different dyes on organic light emitting diode properties,IUG Journal of Natural and Engineering Studies,20(2) ,1-14. (ISI Cited Publication)
7. Taher M. El-Agez, Ahmed A. El Tayyan, Amal Al-Kahlout, Sofyan A. Taya, Monzir S. Abdel-Latif (2012) . Dye-Sensitized Solar Cells Based on ZnO Films and Natural Dyes ,International Journal of Materials and Chemistry,2(3) ,105-110. (ISI Cited Publication)
8. Taher M. El-Agez; Sofyan A. Taya; Ahmed A. El Tayyan (2011) . An Improvement of Scanning Ellipsometer by Rotating a Polarizer and an Analyzer at a Speed Ratio of 1:3,International Journal of Optomechatronics ,5() ,51–67. (ISI Cited Publication)
9. Ahmed A. El Tayyan (2011) . DYE SENSITIZED SOLAR CELL: PARAMETERS CALCULATION AND MODEL INTEGRATION,Journal of Electron Devices,11() ,616-624. (ISI Cited Publication)
10. Ahmed A. El Tayyan (2011) . PV system behavior based on datasheet ,Journal of Electron Devices,9() ,335-341. (ISI Cited Publication)
11. Taher M. El-Agez, Ahmed A. El Tayyan, Sofyan A. Taya, and Hussam S. Musleh (2011) . Characterization of Poly(9-vinylcarbazole) and 8-Hydroxyquinoline Aluminum Using a Homemade Rotating Analyzer Ellipsometer,The Islamic University Journal (Series of Natural Studies and Engineering),19(2) ,163-174. (ISI Cited Publication)
12. Hussam S. Musleh, Taher M. El-Agez; Sofyan A. Taya; Ahmed A. El Tayyan (2010) . Investigation of the Effect of two Dyes on Organic Light Emitting Diodes Electroluminescence ,Journal of Al Azhar University Gaza (Natural Sciences), ICBAS special issue,12() ,75-80. (ISI Cited Publication)
13. Taher M. El-Agez, Ahmed A. El Tayyan, and Sofyan A. Taya (2010) . Rotating polarizer-analyzer scanning ellipsometer,Thin Solid Films,518() ,5610–5614. (ISI Cited Publication)
14. Taher El-Agez, Sofyan Taya, and Ahmed El Tayayn (2010) . A polynomial approach for reflection, transmission, and ellipsometric parameters by isotropic stratified media,Optica Applicata,XL(2) ,501-510. (ISI Cited Publication)
15. T. M. El-Agez, A. A. El Tayyan, M. S. Abdel-Latif (2009) . New efficient organic compounds in dye-sensitized solar cells,J. of the Islamic University of Gaza (Series of natural studies and engineering),17(1) ,61-70. (ISI Cited Publication)
16. A. A. El Tayyan, T. M. El-Agez, and M. S. Abdel-Latif (2008) . Electroluminescence from Single Layer Poly(N-vinylcarbazole),Chinese Journal of Physics,46(2) ,153-162. (ISI Cited Publication)
17. A. A. El Tayyan, T. M. El-Agez, and W. Tabaza (2006) . Electrical Conduction of Iodine Doped Poly(9-vinylecarbazole) Films,Journal of Al Azhar University Gaza (Natural Sciences),8() , 65-76. (ISI Cited Publication)

18 T. M. El-Agez, A. A. El Tayyan, and M. S. Abdel-Latif (2006) . Electroluminescence from A single Layer of Poly(N-vinylcarbazole) Doped with A new 1,2,4-Triazole derivative,The Islamic University of Gaza (Series of natural studies and engineering),14(2) ,1-10. (ISI Cited Publication)

19 A. A. El Tayyan (2006) . An Empirical Model for Generating The IV Characteristics for A photovoltaic System,natural science Journal of Al-Aqsa University-Gaza ,10() ,214-221. (ISI Cited Publication)

20 A. A. El Tayyan, A. Khogali (2004) . DC Conduction in Fe3+ poly(9-vinylcarbazole) Doped Films,Chinese Journal of Physics,26(4-I) ,153-162. (ISI Cited Publication)

TEACHING

(LEVEL ,COURSE)

First Degree

* Electronics I I
* Special topics
* Electric Circuits II
* Classical Physics I
* General Physics I I
* Mathematical Physics II
* , Electricity & Magnetism II
* Thermodynamics
* Digital Electronics I
* Digital Electronics II
* General Physics I
* Introduction to Mathematical Physics
* Mathematical Physics I
* Electricity & Magnetism I
* Electronics I