CURRICULUM VITAE

جامعة الأزهر
Al-Azhar University-Gaza

Amal Mahmoud Alkahlout

Last Update:10/08/2017

PERSONAL DETAILS

Date Of Birth	2/3/1969	**Place Of Birth**	Jabalia
Nationality	palestinian		
Martial Status	married	**Gender**	Female
Designation	Lecturer		
Department	Physics		
Faculty	Science		
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ACADEMIC QUALIFICATIONS

(YEAR ,QUALIFICATION ,INSTITUTION ,TITLE)

2006 Doctoral Degree, PHD,Saarland University, Saarbreucken- Germany
(Electrochromic properties and coloration mechanisms of sol-gel NiO-TiO2 layers and devices built with them)

CAREER HISTORY

(START DATE - END DATE, EMPLOYMENT ,ORGANIZATION)

2007 , till now	Lecturer ,Al-Azhar University Gaza
2006 ,2007	Post Doctoral Researcher ,Leibniz Institute for New Materials (INM), Saarbruecken, Germany
1999 ,2003	Lab. Instructor+ lecturer ,Al-Azhar University-Gaza
1994 ,1996	Lab. Instructor ,Al-Azhar University Gaza

ADMINISTRATIVE DUTIES

(START_DATE - END_DATE , ROLE ,LEVEL)

2014 , till now	Dean of Faculty of Science ,University
2014 ,2014	Head of Physics Department ,Faculty

AREAS OF EXPERTISE

(AREA)

General:Solid state physics, Thin film technology, , Specific: • Synthesis of nanocrystalline particles via wet ,

SELECTED PUBLICATIONS

- (Book \ Chapter in Book)

1 Hassan Ashour, Naji Al-Dahoudi, Amal Al-Kahlout (2011) . Physics To Medical Sciences, 2010, , Gaza

- Article in Academic Journal

1. A. Alkahlout (2016) . Effects of Structure and Morphology of Hydrothermally Grown ZnO Particles on the Photovoltaic Performance of Dye Sensitized Solar Cell,Journal of Advances in Physics,11(6) ,3488-3499. (ISI Cited Publication)
2. AMAL M AL-KAHLOUT, HATEM S EL-GHAMRI, NAJI Al DAHOUDI, TAHER M EL-AGEZ, SOFYAN A TAYA, MONZIR S ABDEL-LATIF (2015) . A comparative study: synthetic dyes as photosensitizers for dye-sensitized solar cells ,Turkish Journal of Physic,39(3) ,272-279. (ISI Cited Publication)
3. A. Alkahlout (2015) . Thermal treatment optimization of ZnO nanoparticles-photoelectrodes for high photovoltaic performance of dye-sensitized solar cells,Journal of the Association of Arab Universities for Basic and Applied Sciences,17() ,66-72. (ISI Cited Publication)
4. Hatem S. El-Ghamri1,2, Sofyan A. Taya1,2,*, Taher M. El-Agez1,2, Amal M. Al-Kahlout3, Naji Al Dahoudi3, Monzir S. Abdel-Latif2,4 (2015) . Natural Dyes as Photosensitizers for Dye-sensitized Solar Cells,JOURNAL OF NANO- AND ELECTRONIC PHYSICS,7(3) ,03001-6. (ISI Cited Publication)
5. Physics Research International (2015) . A Comparative Study of Spin Coated Transparent Conducting Thin Films of Gallium and Aluminum Doped ZnO Nanoparticles ,Physics Research International 201,2015() ,. (ISI Cited Publication)
6. A. AlKahlout, NA Dahoudi, S Heusing, K Moh, R Karos, PW de Oliveira (2014) . Structural, Electrical and Optical Properties of Aluminum Doped Zinc Oxide Spin Coated Films Made Using Different Coating Sols,Nanoscience and Nanotechnology Letters,6(1) ,37-43. (ISI Cited Publication)
7. A. Alkahlout, N. Al Dahoudi, I. Grobelsek, M. Jilavi, and P. W. de Oliveira (2014) . Synthesis and Characterization of Aluminum Doped Zinc Oxide Nanostructures via Hydrothermal Route,Journal of Materials,2014() ,8 pages. (ISI Cited Publication)
8. Naji Al Dahoudi, Amal AlKahlout, Sabina Heusing, Petra Herbeck-Engel, Rudolf Karos, Peter Oliveira (2013) . Indium doped zinc oxide nanopowders for transparent conducting coatings on glass substrates,Journal of sol-gel science and technology,67(3) ,556-564. (ISI Cited Publication)
9. A AlKahlout2013)) . A wet chemical preparation of transparent conducting thin films of Ga-doped ZnO nanoparticles ,Journal of sol-gel science and technology,67(2) ,331-338. (ISI Cited Publication)
10. A. Alkahlout (2012) . ZnO nanoparticles and porous coatings for Dye-Sensitized Solar Cell application: photoelectrochemical characterization,Thin Solid Films ,520(6) ,1814-1820. (ISI/SCOUPS Cited Publication)
11. TM El-Agez, AA El Tayyan, A Al-Kahlout, SA Taya, MS 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)
12. 2- A. Al-Kahlout, S. Heusing, T. Mueller, N. Aldahoudi, M. Quilitz & P. W. de Oliveira (2011) . Novel conductive characteristics of ITO:Ti films deposited by spin coating from colloidal precursor,journal of sol gel science and technology,59() ,532-538. (ISI/SCOUPS Cited Publication)
13. 3- Amal Al-Kahlout, Diogo Vieira, César O. Avellaneda, Edson R. Leite, Michel A. Aegerter and Agnieszka Pawlicka (2010) . Gelatin-based protonic electrolyte for electrochromic windows,Ionics,16() ,13-19. (ISI/SCOUPS Cited Publication)
14. 4- C. O. Avellaneda, D. F. Vieira, A. Al-Kahlout, S. Heusing, E. R. Leite, A. Pawlicka, M. A. Aegerter (2008) . All solid-state electrochromic devices with gelatin-based electrolyte, Solar Energy Materials Solar Cells,92() ,228-233. (ISI/SCOUPS Cited Publication)
15. A. Al-Kahlout, Michel A. Aegerter, (2007) . Coloration mechanisms of sol-gel NiO-TiO2 layers studied by EQCM,, Solar energy materials and Solar cel,91() ,213-223. (ISI/SCOUPS Cited Publication)

16 5- C´esar O. Avellaneda, Diogo F. Vieira, Amal Al-Kahlout, Edson R. Leite, Agnieszka Pawlicka c, Michel A. Aegerter (2007) . Solid-state electrochromic devices with Nb2O5:Mo thin film and gelatin-based electrolyte,Electrochimica Acta,53() ,1648–1654 . (ISI/SCOUPS Cited Publication)

17 A. Al-Kahlout, Sabine Heusing, Michel A. Aegerter (2006) . Electrochromism of NiO-TiO2 sol gel layers,Journal of sol gel science and technology,39() ,195-206. (ISI/SCOUPS Cited Publication)

18 A. Al-Kahlout, Agnieszka Pawlicka, Michel A. Aegerter (2006) . Brown coloring electrochromic devices based on NiO-TiO2-layers,Solar energy materials and solar cells,90() ,3583-3601. (ISI/SCOUPS Cited Publication)

AWARDS AND RECOGNITIONS

(YEAR ,NAME ,INSTITUTION,LEVEL)

2010 ,German Exchange Academic Program (DAAD) Study Visit scholarship , Leibniz Institute for New Materials (INM), Saarbreucken, Germany ,International

2005 ,German Exchange Academic Program (DAAD) Study Visit scholarship ,IQSC, University of S?o Paulo, S?o Carlos, S?o Paulo, Brazil ,International

1996 ,Britich Council scholarship for Master studies, , Keele University, Keele, England ,International

1987 ,UNRWA scholarship for Bachelor studies for being the 5th highest graded student in Gaza strip ,Zagazig University, Zagazig, Egypt ,National

SUPERVISION

(DEGREE ,CANDIDATES ,THESIS ,SESSION ,YEAR)

Completed * Master ,Amal Lubad , اثراء بعض موضوعات منهاج العلوم بتطبيقات النانوتكنولوجي وأثره على مستوى الثقافة العلمية لطلبة الصف الحادي عشر في غزة, 2013,