

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

- 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 AI 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-Ghamri^{1,2}, Sofyan A. Taya^{1,2,*}, Taher M. El-Agez^{1,2}, Amal M. Al-Kahlout³, Najji Al Dahoudi³, Monzir S. Abdel-Latif^{2,4} (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 Najji 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 AlKahlout(2013)) . 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)
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AWARDS AND RECOGNITIONS

(YEAR , NAME , INSTITUTION, LEVEL)

- 2010 German Exchange Academic Program (DAAD) Study Visit scholarship , Leibniz Institute for New Materials (INM), Saarbreycken, 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
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SUPERVISION

(DEGREE , CANDIDATES , THESIS , SESSION , YEAR)

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