CURRICULUM VITAE

جامعة الأزهر
Al-Azhar University-Gaza

Naji Al Dahoudi

Last Update:05/03/2023

PERSONAL DETAILS

Date Of Birth	28/8/1969	**Place Of Birth**	Rafah
Nationality	Palestinian		
Martial Status	Married	**Gender**	Male
Designation	Prof of Physics & Materials Science Engineering		
Department	Physics Department		
Faculty	Science		
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ACADEMIC QUALIFICATIONS

(YEAR ,QUALIFICATION ,INSTITUTION ,TITLE)

2003	Doctoral Degree, PHD,University des Saarlandes (Dr. Eng.)
1996	Master Degree, MSC,Yarmouk University (Msc. in Physics)
1994	Bachelor Degree, BSC,Birzeit University (Bsc. in Physics)

CAREER HISTORY

(START DATE - END DATE, EMPLOYMENT ,ORGANIZATION)

2009 ,2013	Associatse Prof. of Physics & Materials Sciences ,Al Azhar University-Gaza
2004 ,2009	Assistant Prof. of Physics & Materials Sciences ,Al Azhar University-Gaza
1996 ,1998	Instructur ,Al Azhar University-Gaza

ADMINISTRATIVE DUTIES

(START_DATE - END_DATE , ROLE ,LEVEL)

2010 ,2011	Head of Physics Department ,Department

AREAS OF EXPERTISE

(AREA)

Researching in Nanostructured functional Materials ,

SELECTED PUBLICATIONS

- (Book \ Chapter in Book)

1 Hassan Ashour, Naji Al Dahoudi, Amal Al Kahlout, (2011) . Physics to Medical Sciences, Al Azhar University Press, 1 st edition, Gaza

- Article in Academic Journal

1. A. AlKahlout, N. Al Dahoudi, S. Heusing, K. Moh, R. Karos, P.W. de Oliveira, (2014) . Structural, Electrical and Optical Properties of Aluminum Doped Zinc Oxide Spin Coated Films Made Using Different Coating Sols,Nanosci. Nanotechnol. Lett., 6() ,37-43 . (ISI Cited Publication)
2. A. Al Kahlout, 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,Article ID 235638() ,8. (ISI Cited Publication)
3. Naji Al Dahoudi (2014) . Comparative Study of Highly Dense Aluminum and Gallium Doped Zinc Oxide Sol-Gel Thin Films,, Bulletin of Materials Science ,37(6) , 1243- 1248. (ISI Cited Publication)
4. Naji Al Dahoudi, Qifeng Zhang, Guozhong Cao (2013) . Low Temperature Processing of Titanium oxide Nanoparticles Photoanode for Dye Sensitized Solar Cells.,Journal of Renewable Energy,DOI:10(545212) ,8. (ISI Cited Publication)
5. 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.,J Sol-Gel Sci Technol ,67() ,556-564. (ISI Cited Publication)
6. Naji Al Dahoudi, Ingrid Grobelsek, Peter Oliveira. (2013) . The Impact of Trioxadecanoic Acid on the Performance of Dye Sensitized Solar Cells Based Titanium Oxide Nanoparticles,Materials Focus,2() ,1-4. (ISI Cited Publication)
7. A. AlKahlout, N. Al Dahoudi, S. Heusing, K. Moh, R. Karos, P.W. de Oliveira (2013) . Structural, Electrical and Optical Properties of Aluminum Doped Zinc Oxide Spin Coated Films Made Using Different Coating Sols.,Nanoscience and Nanotechnology Letters, 6 (2013) In press,() ,. (ISI Cited Publication)
8. A. Solieman, M.K. Zayed, S.N. Alamri, N. Al-Dahoudi, M.A. Aegerter, (2012) . Corundum nanostructure ITO film fabrication: An approach for physical properties assessment,Materials Chemistry and Physics,134() ,127– 132. (ISI Cited Publication)
9. Junting Xi, Naji Al Dahoudi, Qifeng Zhang, Yueming Sun and Guozhong Cao, (2012) . Effect of Annealing Temperature on the Performances and Electrochemical Properties of TiO2 Dye-Sensitized Solar Cells,Science of Advanced Materials,4() , 727–733.. (ISI Cited Publication)
10. N. Al Dahoudi, Junting Xi, Guozhong Cao, (2012) . Silica modification of titania Nanoparticles for Dye-sensitized Solar Cell.,Electrochimica Acta,59() ,32- 38.. (ISI Cited Publication)
11. Naji Al Dahoudi, Qifeng Zhang, Guozhong Cao, (2012) . Alumina and Hafnia ALD Layers for a Niobium-Doped Titanium Oxide Photoanode, ,International Journal of Photoenergy.,10.1155/2012/401393.(401393) ,6. (ISI Cited Publication)
12. 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.,J Sol-Gel Sci Technol ,59() ,532–538. (ISI Cited Publication)
13. N. Al Dahoudi, (2011) . Low Temperature Gas Sensing Coatings Made Through Wet Chemical Deposition of Niobium doped Titanium Oxide Colloid,Materials Sciences and Applications,2() ,4. (ISI Cited Publication)
14. N. Al Dahoudi, (2010) . Comparative Study of the Conductivity Percolation Behaviour of Nanocomposite Thin Layers Made from Nanoparticulate ITO and Carbon Nanotubes Colloids,Jordan Journal of Physics,3(10) ,. (ISI Cited Publication)
15. Castro, M.R.S., Al-Dahoudi, N., Oliveira, P.W., Schmidt, H. K. (2009) . Multi-walled carbon nanotube-based transparent conductive layers deposited on polycarbonate substrate,Journal of Nanoparticle Research,11(4) ,. (ISI Cited Publication)
16. Farid R. Zaggout, Issa M. El-Nahhal, Abed El-Fattah A. Qaraman and Naji Al Dahoudi, (2006) . Behavior of thymol blue analytical pH-indicator entrapped into sol–gel matrix,Materials Letters,60(29-30) ,3463-3467. (ISI Cited Publication)

17 N. Al Dahoudi, M. Aegerter, (2006) . Comparative study of transparent conductive In2O3:Sn (ITO) coatings made using a sol and a nanoparticle suspension,Thin Solid Films,502() ,193-197. (ISI Cited Publication)

18 Farid R. Zaggout, Issa M. El-Nahhal, Abed El-Fattah A. Qaraman and Naji Al Dahoudi, (2006) . Behavior of thymol blue analytical pH-indicator entrapped into sol–gel matrix,, Materials Letters,60(29-30) ,3463-3467. (ISI Cited Publication)

19 N. Al-Dahoudi, M.A. Aegerter,

(2005) . Wet chemical deposition of multifunctional conducting coatings made with a nanocomposite suspension,Surface Coatings International Part B: Coating Transcations,88-B4(25) ,257-263. (ISI Cited Publication)

20 N. Gaponenko, I. Molchan, D. Tsyrkunov, G. Maliarevich, M.A. Aegerter, J. Puetz, N. Al-Dahoudi, J. Misiewicz, R. Kudrawiec, V.Lambertini, N. Pira, P. Repetto, (2005) . Optical and structural properties of sol-gel derived materials embedded inporous anodic alumina,Microelectronic Engineering,81(2-4) ,255-261. (ISI Cited Publication)

21 M.A. Aegerter, J. Puetz, G. Gasparro, N. Al-Dahoudi (2004) . Versatile wet deposition techniques for functional oxide coatings,Optical Materials,26(2) ,155-162. (ISI Cited Publication)

22 Al-Dahoudi, Naji; Solieman, Ahmed ; Aegerter, Michel A, (2004) . Properties of transparent conducting coatings (TCO) made by chemical nanotechnology process,American Ceramic Society,148() ,147-154. (ISI Cited Publication)

23 Joerg Puetz, Naji Al Dahoudi, Michel Aegerter, (2004) . Processing of Transparent Conducting Coatings Made with Redispersable Crystalline Nanoparticles,Advanced Engineering Materials,6(9) ,733. (ISI Cited Publication)

24 M. Aegerter, N. Al Dahoudi, A. Soliman,H. Kavak, P. Olivera (2004) . Transparent Conducting Coatings made by Chemical Nanotechnology Processes, Molecular Crysstal & Liquid Crystal, Molecular Crysstal & Liquid Crystal,417() ,105 -114. (ISI Cited Publication)

25 M.A. Aegerter, N. AL-DAHOUDI (2003) . Wet-chemical processing of transparent and antiglare conducting ITO coating on plastic substrates, in: Sol-Gel Coating of Plastic Substrat,Special issue of Journal of Sol-Gel Science and Technology,27() ,81-89. (ISI Cited Publication)

26 N. Al-Dahoudi, M.A. Aegerter, (2003) . Wet Coating Deposition of ITO Coatings on Plastic Substrates,Journal of Sol-Gel Science and Technology,26() ,693-697. (ISI Cited Publication)

27 N. Al-Dahoudi, M. A. Aegerter (2002) . Transparent and antiglare conducting coating deposited by wet chemical processes,Key Engineering Materials,230-232() ,555-558. (ISI Cited Publication)

28 N. Al-Dahoudi, M.A. Aegerter (2001) . Redispersable nanopowders for wet chemical coatings processes: Application to transparent conducting coatings,Materials Science,29(1) ,71-79. (ISI Cited Publication)

29 N. Al-Dahoudi, M. A. Aegerter (2001) . Conducting, antistatic and antistatic-antiglare coatings made with hybrid sols,Mol. Cryst. Liq. Cryst.,374() ,91-100. (ISI Cited Publication)

30 N. Al-Dahoudi, H. Bisht, C. Goebbert, T. Krajewski, M. A. Aegerter (2001) . Transparent conducting, antistatic and antistatic-antiglare coatings on plastic substrates,Thin Solid Film,392() ,299-304. (ISI Cited Publication)

31 C. GOEBBERT, H. BISHT, N. AL-DAHOUDI, R. NONNINGER, M. A. AEGERTER, H. SCHMIDT (2000) . Wet chemical deposition of crystalline, redispersable ATO and ITO nanoparticles,Journal of Sol-Gel Science and Technology,201-204() ,. (ISI Cited Publication)

- Proceedings

1 N. Al Dahoudi (2007) . Formation of a Conductive Nanocomposite on Plastic and Glass Substrates Through Wet Chemical Deposition of Well Dispersed Carbon Nanotubes,International Conference on Nanotechnology and Its Applications,Sharjah,,100-104. (ISI Cited Publication)

RESEARCH PROJECTS

(FROM - TO ,PROJECT_TITLE ,ROLE ,SOURCE ,LEVEL)

2021 ,2023	Fabricating photothermal-thermochromic coatings for smart windows ,Principle Investigator ,Al Maqdisi Project ,International
2020 ,2021	investigate the anticancer effect of novel synthesized photothermal nanomaterials ,Principle Investigator ,the Qatar Red Crescent ,National
2016 ,2018	Fabricating Perovskite solar cells ,Principle Investigator ,Al Maqdisi Project ,International
2016 ,2018	Nanoscaled dye sensitized solar cells ,Principle Investigator ,the Federal Ministry of Education and Research ,International
2015 ,2017	Fabrication of Dye Sensitized Solar Cells ,PI ,by Islamic Bank of Development, directed by Qatar Charity Assoc ,University
2003 ,2004	Development of Transparent conducting Coatings on plastic foils,INM, Saarbrücken, Germany ,Scientific collaborator, ,Avery Denison, California, USA ,University

AWARDS AND RECOGNITIONS

(YEAR ,NAME ,INSTITUTION,LEVEL)

2012 ,DAAD Study Visit scholarship ,Saarland University, Germany ,International

2010 ,Fulbright Scholarship ,Material Science & Engineering Department, University of Washington, Seattle, USA. ,International

2009 ,DAAD Study Visit scholarship ,Institute of Powder technology for glass and ceramics, University of Saarland, Germany ,International

2007 , DAAD Study Visit scholarship ,Institute of material sciences & technology (IMST), Kiel,Germany ,International

2004 ,Award for Distinguished Research in Basic Science ,The Ministry of Higher Education ,National

1999 ,DAAD scholarship for obtaining PhD Degree ,Saarland University, Germany ,International

19941996 ,DAAD scholarship for obtaining Master Degree ,Yarmouk University- Jordan ,National

19921994 , Mousa Naser studentship for distinctive students, ,Birzeit University-West Bank ,University

EXPERT/TECHNICAL CONTRIBUTIONS

(ACTIVITY ,ORGANISATION ,ROLE ,FROM ,UNTIL ,LEVEL)

? The 4th International conference of Basic & Applied Sciences ,AUG ,Chairman of the Organizing Committee ,2022 ,2022 ,University

TEACHING

(LEVEL ,COURSE)

First Degree

* General Physics 1 and 2, Medical Physics, Thermodynamics, Electricity and Magnetism, Modern Physics, Classical Mechanics, Solid State Physics, Quantum Mechanics 1 and 2 and Thin Film Technology

CONTRIBUTION TO SOCIETY

(START DATE - END DATE ,CONTRIBUTION ,LEVEL)

2010 - 2013

* ? Board Member of the Palestinian German Association for Academics (PGAA). ,National

SKILLS

(SKILL ,PROFICIENCY)

Tennis Table ,Good

Computer Microsoft application, word, powerpoint, excell,..etc ,Excellent

TRAINING COURSES

(YEAR ,COURSE NAME ,PLACE ,INSTITUATION ,PERIOD)

2008 ,Conducting training for school science teachers in Gaza strip to employ the use of the lab and design experiments relevant to the curriculum. ,Al Azhar University-Gaza ,Al Azhar University-Gaza ,1 year