

CURRICULUM VITAE

جامعة الأزهر
Al-Azhar University-Gaza



Jamil K.J.Salem

Last Update:28/02/2016

PERSONAL DETAILS

Date Of Birth	15/6/1960	Place Of Birth	Gaza
Nationality	Palestinian		
Martial Status	Married	Gender	Male
Designation	Gaza, Gaza-Strip		
Department	Chemistry		
Faculty	Science		
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ACADEMIC QUALIFICATIONS

(YEAR , QUALIFICATION , INSTITUTION , TITLE)

1999	Doctoral Degree, PHD, Aligarh University (India)
1986	Master Degree, MSC, Middle East Technical University (Turkey)
1984	Bachelor Degree, BSC, Middle East Technical University (Turkey)

CAREER HISTORY

(START DATE - END DATE, EMPLOYMENT , ORGANIZATION)

2011 ,	Professor in Chemistry , Al-Azhar University-Gaza.
2005 , 2011	Assoc. Professor in Chemistry , Al-Azhar University-Gaza.
1999 , 2005	Assist. Professor in Chemistry , Al-Azhar University-Gaza.
1991 , 1998	Lecturer in Chemistry , Al-Azhar University-Gaza.

ADMINISTRATIVE DUTIES

(START_DATE - END_DATE , ROLE , LEVEL)

2006 , 2007	Vice Dean of Faculty of Science , Faculty
2009 , 2011	Head of Chemistry Dept , Department

SELECTED PUBLICATIONS

- (Book \ Chapter in Book)

- 1 Sami Almoqayyad, Jamil Salem, Talat Hammad (2013) . ZnO Nanoparticles: Synthesis,Growth, Lambert Academic Publishing GmbH KG, Germany
- 2 Talaat M. Hammad, Jamil K. Salem and Roger G. Harrison (2011) . doped ZnO nanoparticles,: synthesis and characterization, Advances in Nanotechnology Research and Application,, USA

- 1 Issa M. El-Nahaal, Jamil K. Salem, Sylvia Kuhn, Talaat M. Hammad, Rolf Hempelmann (2016) . Synthesis & characterization of silica coated and functionalized silica coated zinc oxide nanomaterials , Powder Technology, 87(01)() , 439–446. (SCOUPS Cited Publication)
- 2 Talaat M. Hammad, Jamil K. Salem, S. Kuhn, Nadia M. Abu Shanab, R. Hempelmann (2016) . Influence of pluronic P123 in modifying the morphological and optical properties of PbS nanocomposite, J Mater Sci: Mater Electron, 16() , 1-8. (ISI Cited Publication)
- 3 Jamil K. Salema, Issa M. El-Nahal, Talaat M. Hammad, Sylvia Kuhn, Somaya Abu Sharekh, Mohamad El-Askalani, Rolf Hempelmann (2015) . Optical and fluorescence properties of MgO nanoparticles in micellar solution of hydroxyethyl laurdimonium chloride, Chemical Physics Letters, 636() , 26–30. (SCOUPS Cited Publication)
- 4 Jared M. Hancock, William M. Rankin, Talaat M. Hamad, Jamil S. Salem, Karine Chesnel and Roger G. Harrison (2015) . Optical and Magnetic Properties of ZnO Nanoparticles Doped with Co, Ni and Mn and synthesized at Low Temperature, Journal of Nanoscience and Nanotechnology, 15(05) , 3809-3815. (ISI Cited Publication)
- 5 Talaat M. Hammad, Jamil K. Salem, Nadia Abu Shanab, S. Kuhn, R. Hempelmann (2015) . Synthesis, optical and surface morphological properties of polyethylene glycol capped lead sulphide nanoparticles, J Mater Sci: Mater Electron, 26() , 8478-8483. (ISI Cited Publication)
- 6 Talaat M. Hammad, Jamil K. Salem, Nadia Abu Shanab, S. Kuhn, R. Hempelmann (2015) . Surface Morphological and Optical Properties of PVA Passivated PbS Nanoparticles, Journal of Luminescence, 157() , 88–92. (ISI Cited Publication)
- 7 Talaat M. Hammad, Jamil K. Salem, S. Kuhn, Mohammed Abu Draaz, R. Hempelmann, Fawzi S. Kodeh (2015) . Optical properties of Cu²⁺ and Fe²⁺ doped ZnS semiconductor nanoparticles synthesized by co-precipitation method, J Mater Sci: Mater Electron, 26() , 5495- 5501. (ISI Cited Publication)
- 8 Jamil K. Salem, Talaat M. Hammad, S. Kuhn, Issan Nahal, Mohammed Abu Draaz, Naser K. Hejazy, R. Hempelmann (2014) . Luminescence properties of Mn and Ni doped ZnS nanoparticles synthesized by capping agent, J Mater Sci: Mater Electron, 25() , 5188–5194. (ISI Cited Publication)
- 9 Jamil K. Salem, Talaat M. Hammad, Mohammed Abu Draaz, S. Kuhn, R. Hempelmann (2014) . Structural, optical and photoluminescence of Co doped alkyl hydroxyl ethyl dimethyl ammonium chloride capped ZnS nanoparticles, J Mater Sci: Mater Electron, 25() , 2177-2182. (ISI Cited Publication)
- 10 Talaat. M . Hammad, Jamil. K . Salem, Roger G. Harrison, Rolf. Hempelmann, Nasser K. Hejazy (2013) . Optical and magnetic properties of Cu-doped ZnO nanoparticles, J Mater Sci: Mater Electron, 24() , 2846–2852. (ISI Cited Publication)
- 11 Talaat M. Hammad, Jamil K. Salem and Roger G. Harrison (2013) . Structure, Optical properties and synthesis of Co-doped ZnO Superstructures, Applied Nanoscience, 3() , 133-139. (ISI Cited Publication)
- 12 T. M . Hammad, S. Griesing, M. Wotocek, S. Kuhn, R. Hempelmann, U. Hartmann, J. K . Salem (2013) . Optical and magnetic properties of Fe-doped ZnO nanoparticles prepared by the sol- gel method, Int. J. Nanoparticles, 6() , 324-336. (ISI Cited Publication)
- 13 T. M . Hammad, S. Griesing, M. Wotocek, S. Kuhn, R. Hempelmann, U. Hartmann, J. K . Salem (2012) . Improvements of the optical and magnetic properties of Mn-doped ZnO nanoparticles prepared by the sol- gel method, Applied Nanoscience, 3(2) , 153-159. (SCOUPS Cited Publication)
- 14 Jamil K. Salem, Talaat M. Hammad, Roger G. Harrison (2012) . Synthesis, structural and optical properties of Ni-doped ZnO micro-spheres, J Mater Sci: Mater Electron, 24() , 1670-1676. (SCOUPS Cited Publication)
- 15 Jamil K. Salem (2011) . Cadmium dopant induced morphology and optical changes in ZnO nanostructure, Mater. Sci : An Indian Journal, 7() , 227-232. (ISI Cited Publication)
- 16 Talaat M. hammad, Jamil K. Salem (2011) . Synthesis and characterization of Mg-doped ZnO hollow spheres, J. Nanopar. Res, 13() , 2205. (SCOUPS Cited Publication)

- 17 Talaat M. Hammad, Jamil K. Salem and Roger G. Harrison (2010) . Scientists at Brigham Young University detail research in nanotechnology, *Journal of Technology and Science*,() ,. (SCOUPS Cited Publication)
- 18 Talaat M. Hammad, Jamil K. Salem and Roger G. Harrison (2010) . The influence of annealing temperature on the structure, morphologies and optical properties of ZnO nanoparticles, *Superlattices and Microstructures*, *Superlattices and Microstructures*,47() ,335-340. (SCOUPS Cited Publication)
- 19 Talaat M. Hammad, Jamil K. Salem and Roger G. Harrison (2010) . Microstructures: New findings from Al-Azhar University describe advances in microstructures, *Nanotechnology Weekly*,() ,. (SCOUPS Cited Publication)
- 20 Jamil K. Salem, Talaat M. Hammad (2009) . The effect of surfactants on the particle size and optical properties of precipitated ZnO nanoparticles, *Journal of Materials Science and Engineering*,3() ,38. (SCOUPS Cited Publication)
- 21 Talaat M. Hammad, Jamil K. Salem, Roger G. Harrison (2009) . Synthesis, characterization, and optical properties of Y-doped ZnO nanoparticles, *NANO*,225() ,225. (SCOUPS Cited Publication)
- 22 Jamil K. Salem, Talaat M. Hammad, Roger G. Harrison (2009) . ZnO nanoparticles prepared in the presence of additives by thermal decomposition method, *International Journal of Nanoscience*,8() ,465. (SCOUPS Cited Publication)
- 23 Talaat M. Hammad, Jamil K. Salem and Roger G. Harrison (2009) . Binding agent affect on the structural and optical properties of ZnO nanoparticles, *Rev. Adv. Mater. Sci.*,22() ,74-80. (SCOUPS Cited Publication)
- 24 Jamil K.J Salem, Hassan Tamous and Fawzi Qudeh. (2007) . Decomposition of monochloramines of amino acids from water by surfactant Micelles , *Dispersion Sci. Technol*,1() ,28. (ISI Cited Publication)
- 25 Jamil K.J Salem (2006) . Kinetics of the oxidation of phenylhydrazine by hexacyanoferrate in water-in-oil microemulsions, *Dispersion Sci. Technol*,6() ,27. (ISI Cited Publication)
- 26 Shehata M.Zourab,Essam M.Ezzo,Hisham El-Aila and Jamil K.J.Salem (2005) . Study of the kinetics of oxidation of amines by potassium ferricyanide in presence of N,N-dimethyldodecylamine N-oxide, *J. Surfactants. and Detergents*,8() ,83. (ISI Cited Publication)
- 27 Jamil K.J.Salem (2004) . Sodium dodecylsulfate and sodium sulfate effects on the oxidation of N,N-dimethylaniline by hexacyanoferrate(III) , *J. Al Azhar Univ.*,1() ,7. (ISI Cited Publication)
- 28 . Jamil K.J.Salem, Omar Melad ,Rajai Baraka *Dispersion Sci. Technol.*, 25,755 (2004) (2004) . Interaction between sodium poly(styrene sulfonate) and Triton x-100 in aqueous solution, *Dispersion Sci. Technol*,25() ,755. (ISI Cited Publication)
- 29 Jamil K.J .Salem (2004) . Interactions between nitrophenylhydrazinium chloride and surfactants in aqueous solutions, *Asian J. Chem.*,16() ,1353. (ISI Cited Publication)
- 30 Jamil K.J. Salem and H.J.Y.El-Aila (2003) . Micellar and salt effects upon the oxidation of N, N-dimethylaniline by hexacyanoferrate (III), *React. Kinet. Catal. Lett*,80() ,105. (ISI Cited Publication)
- 31 Omar melad, Rajai Baraka , Jamil K.J.Salem, Hani Hilles and Awni El-Khazandar (2003) . Viscometric study of poly(methyl methacrylate) and polystyrene blends in different solvents, *Chinese J. Polym. Sci.*,15() ,21. (ISI Cited Publication)
- 32 Hisham J.Y.El-Aila and Jamil K.J.Salem (2003) . Micellar and salt effects upon the oxidation of cysteine by hexacyanoferrate(III) , *Tenside Surf. Det*,40() ,162. (ISI Cited Publication)
- 33 Shehata M.Zourab,Essam M.Ezzo,Hisham El-Aila and Jamil K.J.Salem (2003) . Oxidation of amines by potassium ferricyanide in AOT surfactant systems, *Dispersion Sci. Technol*,24() ,67. (ISI Cited Publication)
- 34 Hisham J.Y.El-Aila and Jamil K.J.Salem (2003) . Micellar catalytic effect of Triton-x-100 on the oxidation of N,N-di- methylaniline by hexacyanoferrate (III), *J. Al-Aqsa Univ-Gaza.*,7() ,99. (ISI Cited Publication)

- 35 Omar Melad , Rajai Baraka and Jamil K.J.Salem (2003) . Effect of variations of temperature on the compatibility of poly (methyl methacrylate)/ polyvinyl chloride in THF ternary system.,Asian J. Chem.,15() ,765. (ISI Cited Publication)
- 36 J.K.J Salem, R.M. Baraka, T.M.Haboush and A.A.S.Elkhaldy (2002) . Effects of anionic micelles on the oxidation of phenylhydrazine by hexacyanoferrate (III) in aqueous urea solutions,Tenside Surf.Det.,2() ,39. (ISI Cited Publication)
- 37 Rajai Baraka , Jamil K.J.Salem, Hani Hilles and Omar Melad, Chinese (2002) . Studies on the effect of urea on the compatibility of PMMA/PVC mixtures in DMF by a dilute-solution viscometry method,Chinese J. Polym. Sci.,20() ,467. (ISI Cited Publication)
- 38 R.M. Baraka, T.M.Haboush , A.A.S.Elkhaldy and Jamil K.J. Salem (2002) . Effects of surfactant and urea addition on the oxidation of phenylhydrazinium chloride by hexacyanoferrate (III),Colloids Surf .,20() ,181. (ISI Cited Publication)
- 39 Kabir-ud-Din, Jamil K.J. Salem, Sanjeev Kumar and Zaheer khan. (2001) . Micelle – catalyzed interaction- between glycine and ninhydrin with and without added salts,Indian J. Chem.,40B() , 1196. (ISI Cited Publication)
- 40 Kabir-ud-Din, Jamil K.J. Salem, Sanjeev Kumar and Zaheer khan (2000) . Effect of cationic surfactants on the addition-elimination type interaction between aspartic acid and ninhydrin ,Colloids Surf .,168() ,241. (ISI Cited Publication)
- 41 Kabir-ud-Din, Jamil K.J. Salem, Sanjeev Kumar and Zaheer Khan (2000) . Micellar and salt effects on the Ruhemanns purple formation between L-lysine and ninhydrin,Indian J . Chem .,39A() , 1019. (ISI Cited Publication)
- 42 . Kabir-ud-Din, Jamil K.J. Salem, Sanjeev Kumar Md.Z.A.Rafiquee and Zaheer Khan (1999) . Effect of cationic micelles on the kinetics of Interaction ninhydrin with L-leucine and L-phenylalanine,J.Colloid Interface Sci.,20() ,213. (ISI Cited Publication)
- 43 Kabir-ud-Din, Jamil K.J. Salem, Sanjeev Kumar and Zaheer Khan (1999) . The micelle-induced interaction between ninhydrin and tryptophan,J.Colloid Interface Sci.,9() ,215. (ISI Cited Publication)

- Proceedings

- 1 Jared M. Hacock, William M. Rankin, Talaat M. Hammad, Jamil K. Salem, Roger G. Harrison (2012) . Transition metal doped ZnO nanoparticles and their optical and magnetic properties ,243th ACS National Meeting,San Diego, California,USA,. (ISI Cited Publication)
- 2 Talaat M. Hammad, Jamil K. Salem and Roger G. Harrison (2009) . Structural changes to ZnO nanoparticles due to metal doping,237 th ACS National Meeting,Salt Lake, USA,March 22-26,. (ISI Cited Publication)

AWARDS AND RECOGNITIONS

(YEAR , NAME , INSTITUTION, LEVEL)

2008 , Fulbright Scholarship , Brigham Young University , International

SUPERVISION

(DEGREE , CANDIDATES , THESIS , SESSION , YEAR)

- Completed**
- * Master , , Functionalized amine mesoporous silica SBA-15 supporting metal oxides nanoparticles: synthesis and characterization , 2015 ,
 - * Master , , synthesis , optical properties and application of transition metals doped and undoped MgO nanoparticles , 2015 ,
 - * Master , , Silica and mesoporous coated metal oxides nanoparticles: synthesis , characterization and application , 2015 ,
 - * Master , , Synthesis and characterization of nanosized metal oxides. Al- Azhar university , 2013 ,
 - * Master , , Optical studies on transition metal doped ZnS nanoparticles, Al- Azhar University , 2014 ,
 - * Master , , Study of synthesis and growth of ZnO nanoparticles, Al-Azhar University , 2009 ,
 - * Master , , Decomposition of N-chloramines in surfactant solution, Al-Azhar University , 2006 ,
 - * Master , , Reactions in micellar systems, Al- Azhar university . , 2004 ,

TEACHING

(LEVEL , COURSE)

- First Degree**
- * General Chemistry, Physical Chemistry (1), Chemical kinetics
 - * Catalysis
 - * Physical Chemistry (2)
- Post Graduate**
- * advanced physical chemistry
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