



Name	<i>Ali Salah Hennache</i>
Post	<i>Professor of Physics Electronics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Physics Electronics and Electronic Control, Southampton University, 1987</i> • <i>Bachelor of Engineering (BEng.) in Electrical Engineering, Annaba University, 1983</i> • <i>Bachelor of Science (BSc.) in Physics Electronics, Annaba University, 1981.</i>
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Riyadh, Professor, 2009- to date</i> • <i>Riyadh College of Technology, 2003- 2009.</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Silicon Nano-particles-Top-Dye-Sensitized Solar Cell(Si-DSSC): New Designs and Mechanistic Studies of Photosensitization., Joint project with King Saud University and KACST., Funding: 1, 350, 000 SR.</i> • <i>Optimizing solar electricity output from silicon p-n junction solar cells. Principal Investigator, sponsored by Al-Imam University). Funding: 101,800 SR</i>
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:5</i></p> <ul style="list-style-type: none"> • <i>A. Hennache and Lazhar Bougoffa “ Vibration Technique for Processing and Monitoring Electrical and Mechanical Defects in Electrical Drives Using 2-D Mathematical Model ”, Physical Science International Journal 4(5): 723-733, 2014 Physical Science International Journal, ISSN: 2348-0130, Vol.: 4, Issue.: 5 (July)</i> • <i>A. Hennache, N. Mustapha and Z. Fekkai “ Polymeric Solar Cells Efficiency Increase Using Doped Conjugated Polymer Nanoparticles”, British Journal of Applied Science & Technology, ISSN: 2231-0843 ,Vol.: 4, Issue.: 4 .Nov.2013</i> • <i>N. Mustapha , K.H. Ibnaouf, Z. Fekkai, A. Hennache, S. Prasad, A. Alyamani “ Improved Efficiency of Solar Cells Based on BEHP-co-MEH-PPV”, Optik Journal Elsevier . Optik 124 (213) 5524 – 5527</i> • <i>Ali S. Hennache Mohamed S.Bensaleh, “ Academia-Industry Links in Saudi Arabia: Bringing Scientific Research and Knowledge Exchange to the Point of Development and Commercialization ”. Forum of Societal Partnership in Scientific Research-Scientific Research and Acknowledge Exchange , 22-23 April 2013, Al Imam Mohammed Ibn Saud Islamic University- Riyadh- KSA .</i> • <i>Hatim M. Behairy , Abdulfattah M. Obeid, Mohammed S. Bensaleh, Ali S. Hennache, Saad Haj Bakry and Syed Manzoor Qasim, “ The role of National Research Centers and Universities in the Economic Development of Saudi Arabia ”. International Association for Management of Technology - IAMOT 2013 Proceedings, 14-18 April 2013, Brazil.</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>International Journal of Scientific Research Organization (IJSRO), Editorial Board Member, 2017- to date.</i> • <i>International Journal of Electrical, Electronics and Computer Systems (IJECS), Member of the Editorial Board, 2016-to date.</i> • <i>International Journal of Scientific & Engineering Research -IJSER , Member of the Editorial Board, 2013- to date.</i>



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| | <ul style="list-style-type: none">• <i>International Open Research Journal, Managing Editor Board, 2016- to date.</i>• <i>IJRET : International Journal of Research in Engineering and Technology, Editor , 2013- to date</i>• <i>Greener Journal of Electronics and Communication, Editor, 2014- to date.</i>• <i>Greener Journal of Educational Research, Editor, 2012- to date.</i>• <i>Greener Journal of Science, Engineering and Technological Research (GJSETR), Editor , 2012 – to date .</i> |
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Name	<i>Lassaad Mabrouk El Mir</i>
Post	<i>Professor of Physics</i>
Academic career	<ul style="list-style-type: none"> • HDR (<i>Ability of Direction of Research</i>), <i>Sfax University, 2007.</i> • <i>Ph.D in Physics, El Manar University, Tunisia, 1995.</i> • <i>Master in Physics, El Manar University, Tunisia, 1991.</i> • <i>Bachelor Degree in Physics, El Manar University, Tunisia, 1989.</i>
Employment	<ul style="list-style-type: none"> • <i>University of Gabes, Tunisia, Lecturer, 1991-1996.</i> • <i>University of Gabes, Tunisia, Assistant professor, 1996-2007.</i> • <i>University of Gabes, Tunisia, Associate professor, 2007-2012.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Professor, 2012-</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Co-Investigator Internal project Al Imam University, Synthesis and development of osmosis thin film membranes reached by ZnO nanoparticles for water desalination, (361215), 2016-2017. Funding: 186,000 SR.</i> • <i>Co-Investigator NSTP (National Science and Technology Plan) Project, Synthesis of new nanomaterials for waste water treatment, (13—NAN517-08), 2014-2016, King Abdul-Aziz City for Science and Technology (KACST). Funding: 1767400 SR</i>
Industry collaborations over the last 5 years	<i>None</i>
Patents and proprietary rights	<i>None</i>
Important publications over the last 5 years	<p><i>Total number:122</i></p> <ul style="list-style-type: none"> • <i>Enhanced performance of novel calcium/aluminum co-doped zinc oxide for CO₂ sensors; R. Dhahri, S.G. Leonardi, M. Hjiri, L. El Mir, A. Bonavita, N. Donato, D. Iannazzo and G. Neri; Sensors and Actuators B: Chemical; 239 (2017) 36-44.</i> • <i>Investigation on microstructural and optical properties of CuSbS₂ nanoparticles synthesized by hydrothermal technique; S. Dekhil, H. Dahman, S. Rabaoui, N. Yaacoub, L. El Mir; Journal of Materials Science: Materials in Electronics; 28 (2017) 11631–11635.</i> • <i>Structural and optical properties of Tb³⁺-doped Y₂O₃ nanoparticles; J. El Ghoul, L. El Mir; J. Mater. Sci: Mater Electron, 28 (2017) 9066–9071.</i> • <i>Efficiency of polyamide thin film nanocomposite membrane containing ZnO nanoparticles; J. El Ghoul, I. Ghiloufi, A.S. Al-Hobaib, L. El Mir; Journal of Ovonic Research; 13 (2017) 83 – 90.</i> • <i>Characterization and Modeling of Nano-organic Thin Film Phototransistors Based on 6,13(Triisopropylsilylethynyl)-Pentacene: Photovoltaic Effect; A. Jouili, S. Mansouri, AHMED A. Al-Ghamdi, L. El Mir, W.A. Farouq, F. Yakuphanoglu; Journal of Electronic Materials; 46 (2017) 2221-2231.</i> • <i>Doped-ZnO nanoparticles for selective gas sensors; M. Hjiri, N. Zahmouli, R. Dhahri, S. G. Leonardi, L. El Mir, G. Neri, J Mater Sci: Mater Electron. 28 (2017) 9667–9674.</i> • <i>Annealing and Ni content effects on EPR and structural properties of Zn_{1-x}Ni_xO aerogel nanoparticles; A. Sayari, L. EL MIR, Materials Science-Poland; (2017).</i> • <i>Carbon-silica nanocomposite with negative differential resistance for high voltage negatronic devices: Effect of silica concentration; S. Gouadria, I. Najeh, L. El Mir;</i>



Journal of Physics and Chemistry of Solids; 110 (2017) 290–296.

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- *Removal of Cadmium (II) from aqueous solution by zinc oxide nanoparticles: kinetic and thermodynamic studies; L. Khezami, Kamal K. Tahaa, Ezzeddine Amamic, I. Ghiloufi, Lassaad El Mir; Desalination and Water Treatment; 62 (2017) 346–354.*
- *Influence of the nickel oxide nanoparticles content on the electrical properties of carbon/nickel nanocomposites; N. Ben Mansour, L. El Mir; J. Mater. Sci: Mater Electron. 28 (2017) 11284–11291.*
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- *Study of TiO₂/ITO/ZnO:Al/p-Si photo-sensitive structure based on nanoparticles; M. Nouiri, Z. Ben Ayadi, K. Djessas, L. El Mir; J. Mater Sci: Mater Electron; 28 (2017) 14010-14018.*
- *Controlled solvothermal synthesis and properties of Cu₂SnS₃ nanoparticles; S. Rabaoui, H. Dahman, K. Omri, S. Dekhil, L. El Mir, C. Vazquez-Vazquez, M. A. Lopez-Quintela; J Mater Sci: Mater Electron. 28 (2017) 3090–3097.*
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- *Study of CuS Thin Films for Solar Cell Applications Sputtered from Nanoparticles Synthesized by Hydrothermal Route; F. Ghribi, A. Alyamani, Z. Ben Ayadi, K. Djessas, L. EL Mir; Energy procedia, accepted 2015.*
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- *Acute exposure to zinc oxide nanoparticles does not affect the cognitive capacity and neurotransmitters levels in adult rats; Salem Amara, Imen Ben-Slama, Imen Mrad, Naima Rihane, Mustapha Jeljeli, Lassaad El Mir, Khemais Ben-Rhouma, Walid*



Rachidi, Michel Seve, Hafedh Abdelmelek, and Mohsen Sakly; Nanotoxicology; 8 (2014) 208-215.

- DOI: 10.3109/17435390.2013.879342.
- γ -Fe₂O₃ by sol-gel with large nanoparticles size for magnetic hyperthermia application; O.M. Lemine, K. Omri, M. Iglesias, V. Velasco, P. Crespo, P. de la Presa, L. El Mir, Houcine Bouzid, A. Yousif and A. Hajry; *Journal of Alloys and Compounds* 607 (2014) 125-131.
- Effect of manganese concentration on photoluminescence properties of Zn₂SiO₄:Mn nanophosphor material; K. Omri, L. El Mir, *Superlattices and Microstructures*, 70 (2014) 24-32.
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- Influence of the solvent environments on the spectral features of CdSe quantum dots with and without ZnS shell; K.H. Ibnaouf, Saradh Prasad, M.S. Al Salhi, A. Hamdan, M.B. Zaman, L. El Mir, *Journal of Luminescence*, 149 (2014) 369-373.
- Sol-gel synthesis, structural and luminescence properties of MT-doped SiO₂/Zn₂SiO₄ nanocomposites; J. El Ghoul, K. Omri, S.A. Gómez-Lopera, L. El Mir, *Optical Materials*, 36 (2014) 1034-1039.
- Sputtered Al-doped ZnO transparent conducting thin films suitable for silicon solar cells; Z. Ben Ayadi, H. Mahdhi, K. Djessas, J. L. Gauffier,
- L. El Mir and S. Alaya, *Thin sold Films* 553 (2014) 123-126.
- Effects of zinc oxide nanoparticles and/or zinc chloride on biochemical parameters and mineral levels in rat liver and kidney; S Amara, I Ben Slama, I Mrad, N Rihane, W Khemissi, L El Mir, K Ben Rhouma, H Abdelmelek and M Sakly; accepted in *Journal of Human and Experimental Toxicology* (2014).
- Yellow emission of SiO₂/Zn₂SiO₄:Mn nanocomposite synthesized by sol-gel method; L. El Mir, K. Omri, J. El Ghoul, A. S. AL-Hobaib, H. Dahman, C. Barthou; *Superlattices and Microstructures* 65, (2014) 248-255.
- Sol-gel synthesis and luminescence of undoped and Mn-doped zinc orthosilicate phosphor nanocomposites; J. El Ghoul and L. El Mir; *Journal of Luminescence* 148 (2014) 82-88.
- Characterization of ITO thin films prepared by sol-gel spin-coating technique; Mokhtar HJIRI, Faouzi GHRIBI, Lassaad EL MIR; *Sensors & Transducers* 27 (2014) 198-201.
- Electrical properties of partial carbonized nanoporous resin based on resorcinol-formaldehyde; Najeh Imededdine, Ben Mansour Nabil, Dahman Hassan, Alyamani Ahmed, El Mir Lassaad; *Sensors & Transducers* 27 (2014) 285-289.
- Synthesis and luminescence properties of yellow-emitting SiO₂/Zn₂SiO₄:Mn nanocomposite; Karim OMRI, Lassaad EL MIR, Hassen DAHMAN and Carlos BARTHOU; *Sensors & Transducers* 27 (2014) 295-298.
- Structural and Magnetic properties of Mn doped ZnO Nanocrystals; M. Bououdina, K. Omri, M. El-Hilo, A. El Amiri, O.M. Lemine, A. Alyamani, E.K. Hlil, H. Lassri, L. El Mir; *Physica E: Low-Dimensional Systems and Nanostructures* 56 (2014) 107-112.
- Spectroscopic ellipsometric determination of optical properties of V-Al co-doped ZnO films by rf magnetron sputtering; A. Sayari, L. El Mir, S. Al-Heniti, E. Shalaan, S. J. Yagmour, S. A. Al-Thabaiti, A. Ahmed Al-Ghamdi, F. Yakuphanoglu, *Journal of electroceramics* 30 (4) (2013) 221-227.
- High pressure methane adsorption on microporous carbon monoliths prepared by olives stones; W. Djeridi, A. Ouederni, A.D. Wiersum, P.L. Llewellyn, L. El Mir; *Materials Letters* 99 (2013) 184-187.
- CO and NO₂ Selective Monitoring by ZnO-Based Sensors; Mokhtar Hjiri, Lassaad El Mir, Salvatore Gianluca Leonardi, Nicola Donato and Giovanni Neri; *Nanomaterials* 3 (2013) 357-369.
- Optical absorption of Zn(V,Al)O thin films studied by spectroscopic ellipsometry from 1



	<p>to 6 eV; Amor Sayari, Lassaad El Mir, Saleh Al-Heniti, Talal Al-Harbi, Saud Jamil Yaghmour, and Ahmad Abdullah Al-Ghamdi; <i>Eur. Phys. J. Appl. Phys.</i> 62 (3) (2013) 30304.</p> <ul style="list-style-type: none"> • <i>Effects of nanoparticle zinc oxide on emotional behavior and trace elements homeostasis in rat brain; Salem Amara1, Imen Ben Slama, Karim Omri, Jaber EL Ghoul, Lassaad EL Mir, Khemais Ben Rhouma, Hafedh Abdelmelek and Mohsen Sakly; accepted in Journal of Toxicology and Industrial Health (2013).</i> • <i>Characterization and modeling of TIPS-pentacene-poly(3-hexyl)thiophene blend organic thin film transistor; S. Mansouri, L. El Mir, Ahmed A. Al-Ghamdi, Omar A. Al-Hartomy, Said A. Farha Al Said, F. Yakuphanoglu; Synthetic Metals 185– 186 (2013) 153– 158.</i> • <i>Threshold voltage under white light illumination of zinc oxide based TFT in saturation regime; S. Mansouri, N. Ben Mansour, L. El Mir, Omar A. Al-Hartomy, Said A Farha Al Said, Ahmed A. Al-Ghamdi, F. Yakuphanoglu; Superlattices and Microstructures 62 (2013) 12–20.</i> • <i>Luminescence properties of green emission of SiO₂/Zn₂SiO₄:Mn nanocomposite prepared by sol–gel method K. Omri, J. El Ghoul, A. Alyamani, C. Barthou, L. El Mir; Physica E 53 (2013) 48–54.</i> • <i>Magnetic and optical properties of manganese doped ZnO nanoparticles synthesized by sol–gel technique; K. Omri, J. El Ghoul, O.M. Lemine, M. Bououdina, B. Zhang, L. El Mir; Superlattices and Microstructures 60 (2013) 139–147.</i> • <i>Effects of Titanium dioxide nanoparticles (TiO₂) on behavioral parameters of rats, Naima RIHANE BEN YOUNES, Salem AMARA, Imen BEN SLAMA, Imen MRAD, Karim OMRI, Jaber EL GHOU, Lassaad EL MIR, Mustapha JELJELI, Khemais BEN RHOUMA, Hafedh ABDELMELEK and Mohsen SAKLY, Technical Proceedings of the 2013 NSTI Nanotechnology Conference, NSTI-Nanotech 2013 3, pp. 388-391.</i> • <i>Effect of TiO₂ nanoparticles on emotional behavior and biochemical parameters in adult Wistar rats; Salem AMARA, Wahid khemissi, Imen MRAD, Naima RIHANE, Imen BEN SLAMA, Lassaad EL MIR, Mustapha jeljel, Khémais Ben Rhouma and Mohsen SAKLY; Journal of General Physiology and Biophysics 32 (2013) 229-234.</i> • <i>Effects of ZnO nanoparticles and ZnCl₂ solution on rat liver and kidney, Imen BEN SLAMA, Salem AMARA, Naima RIHANE BEN YOUNES, Imen MRAD, Karim OMRI, Jaber EL GHOU, Lassaad EL MIR, Khemais BEN RHOUMA, Hafedh ABDELMELEK*and Mohsen SAKLY. Technical Proceedings of the 2013 NSTI Nanotechnology Conference, NSTI-Nanotech 2013 3, pp. 365-368.</i> • <i>Structural and optical properties of nanoparticles (V, Al) co-doped ZnO synthesized by sol–gel processes; J. El Ghoul, N. Bouguila, S.A. Gómez-Lopera, L. El Mir; Superlattices and Microstructures 64 (2013) 451–459.</i> • <i>Synthesis and luminescence of SiO₂/Zn₂SiO₄ and SiO₂/Zn₂SiO₄:Mn composite with Sol-Gel methods; J. El Ghoul, K. Omri, A. Alyamani, C. Barthou, L. El Mir; Journal of Luminescence 138 (2013) 218.</i> • <i>Negative Differential Resistance in Carbon-Silica Nanocomposites;</i> • <i>S. Gouadria, H. Dahman, K. Omri, L. El Mir, Int. J. of Nanotechnology 10 (2013) 597.</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>International Program Committee Member of the 2nd International Conference on Sensors and Electronic Instrumental Advances (SEIA' 2016), Barcelona, Castelldefefs, Spain.</i> • <i>Atomic, Molecular & Optical Physics (AMOP), Saudi Arabia, member. 2013-2017.</i>



Name	<i>Mohamed Abdellah Alemen</i>
Post	<i>Professor of experimental physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Physics, Lorraine University (France), 1999</i> • <i>Master in Materials Sciences, Lorraine University (France), 1995,</i> • <i>Bachelor Degree in Physics, Nouakchott University, 1994.</i>
Employment	<ul style="list-style-type: none"> • <i>University of Lorraine, France, Assistant professor (ATER), 1999-2000</i> • <i>Picardie University, France, Assistant professor, 2003-2004</i> • <i>King Khaled Universit, KSA, Assistant professor, 2004-2006</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2006-2010</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Associate professor, 2011-2017</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Professor, 2017-</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Principal investigator:</i> <i>The use of heating efficiency of magnetic nanoparticles for biomedical application (2016-2018, Al Imam university grant, 202,000 SR).</i> • <i>Principal investigator:</i> <i>Development of Emerging III-V Bismide nanostructured Semiconductors for Electronics, Optoelectronics and Spintronics applications (2012-2014, NSTIP grant, 1,600,000 SR)</i> • <i>Principal investigator:</i> <i>Milling parameters optimization for the preparation of ZnFe₂O₄ nanocrystalline (2010-2011, Al-imam University grant, 52800 SR)</i> • <i>Principal investigator:</i> <i>Milling parameters optimization for Synthesis of ZnO nanoparticles, (2009-2010, CEREM KSA grant, 128000 SR)</i> • <i>Principal investigator:</i> <i>Structural and magnetic properties of iron oxides nanoparticles obtained by milling (2008-2010, KACST project, 220000 SR).</i>
Important publications over the last 5 years	<p><i>Total number:3</i></p> <ul style="list-style-type: none"> • <i>Defect-induced room temperature ferromagnetism in mechanically milled nanocrystalline In₂O₃ powder, OM Lemine, M Bououdina, A Alyamani, K Omri, K Ibnaouf, MA Ibrahim and R Alhathloul, Materials Letters 181, (2016) 152-155.</i> • <i>Superparamagnetic iron oxide nanocargoes for combined cancer thermotherapy and MRI applications. Nanasaheb D. Thorat, OM Lemine, Raghvendra A. Bohara, Karim Omri, L. El Mir and Syed A. M. Tofail. Physical Chemistry Chemical Physics, (2016), 18, 21331 – 21339.</i> • <i>γ-Fe₂O₃ by sol-gel With Large Nanoparticles Size for Magnetic Hyperthermia Application, O.M. Lemine , K. Omri , L. El Mir , M Iglesias, V Velasco, P Crespo, P de la Presa ,Houcine Bouzid, Ali A. Yousif and A.Hajry, Journal of Alloys and Compounds 607 (2014) 125–131</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Member of :</i> • <i>The American Physical Society (APS)</i> • <i>French Physical Society (SFP)</i> • <i>Materials Research Society (MRS)</i> • <i>Saudi Physical Society (SPS)</i>



Name	<i>Imed Omar Ghiloufi</i>
Post	<i>Professor of physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in physics, Paul Sabatier University, Toulouse, France 2000</i> • <i>Master in Plasma physics, Paul Sabatier University, Toulouse, France, 1997</i> • <i>Bachelor Degree in Physics, Sfax University, Tunisia 1996.</i>
Employment	<ul style="list-style-type: none"> • <i>University of Al Imam Muhumed Ibn Saud, Assistant professor, 2001-2009</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Associate professor, 2009-2017</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, professor, 2017-</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Synthesis and characterization of nanometal oxides for the adsorption of heavy metal from waste water (), 2014-2017, King Abdul-Aziz City for Science and Technology (KACST). Funding: 1.600,000 SR.</i>
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:12</i></p> <ul style="list-style-type: none"> • <i>L. Khezami, K. Taha, E. Amami, I. Ghiloufi, L. El Mir, Removal of cadmium (II) from aqueous solution by zinc oxide nanoparticles: kinetic and thermodynamic studies, Desalination and Water Treatment, xx (2016) 1–9.</i> • <i>L. Khezami, K. Taha, I. Ghiloufi, L. El Mir, Adsorption and photocatalytic degradation of malachite green by vanadium doped zinc oxide nanoparticles, Water Science & Technology, 73, 4 (2016) 881-889.</i> • <i>I. Ghiloufi, J. El Ghoul, A. Modwi and L. El Mir, Preparation and characterization of Ca-doped zinc oxide nanoparticles for heavy metal removal from aqueous solution. MRS Advances, Available on CJO 2016 doi:10.1557/adv.2016.511</i> • <i>R. Slama, J. El Ghoul, I. Ghiloufi, K. Omri, L. El Mir, A. Houas, Synthesis and physico-chemical studies of vanadium doped zinc oxide nanoparticles and its photocatalysis, J Mater Sci: Mater Electron (2016) 27:8146–8153</i> • <i>Ghiloufi I. J. El Ghoul, A. Modwi, El Mir, L., Ga-doped ZnO for adsorption of heavy metals from aqueous solution, Materials Science in Semiconductor Processing, 42 (2016) 102-106.</i> • <i>AL-Hobaib, A.S. El Ghoul, J. Ghiloufi, I. El Mir, L. Synthesis and characterization of polyamide thin-film nanocomposite membrane reached by aluminum doped ZnO nanoparticles, Materials Science in Semiconductor Processing, 42 (2016) 111–114.</i> • <i>J. El Ghoul, I. Ghiloufi, L. El Mir, Effect of annealing temperature on the luminescence properties of Zn₂SiO₄:V nanocomposite, Journal of Luminescence 170 (2016) 288–292</i> • <i>I. Ghiloufi, Fast removal of Co²⁺ and Ni²⁺ from aqueous solution using partial carbonized nanoporous resin, Curr. World Environ. 2015; 10(3).</i> • <i>I. Ghiloufi, A. S. AL-Hobaib, L. El Mir, Partial carbonized nanoporous resin for uptake of lead from aqueous solution, Water Science & Technology, 72, 6 (2015) 974-982.</i>



	<ul style="list-style-type: none"> • <i>I. Ghiloufi, L. El Mir, Preparation and characterization of doped and undoped nanoporous carbon for heavy metal removal from aqueous solution, Phys. Status Solidi C 12, No. 1–2 (2015) 25–29</i> • <i>I. Ghiloufi, L. Khezami, L. El Mir, (2014) Preparation and characterization of nanoporous resin for heavy metal removal from aqueous, Journal of Water Supply: Research and Technology—AQUA, 64 (2015) 3; 316-325.</i> • <i>I. Ghiloufi, L. Khezami, L. El Mir, Nanoporous Activated carbon for fast uptake of heavy metals from aqueous solution, Desalination and Water treatment, 55 (2015) 4, 935-944.</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Editorial Board in the Journal of Applied and Theoretical Physics Research, from 2015</i>



Name	<i>Smail BOUGOUFFA</i>				
Post	<i>Professor</i>				
Academic career	<ul style="list-style-type: none"> • <i>DSc (PhD) in Theoretical Physics, Constantine University, 1990</i> • <i>Magister in Physics, Constantine University, 1985</i> • <i>Bachelor Degree in Physics, Contantine University, 1982.</i> 				
Employment	<p>2000-2005: Associate Professor, King Khalid University, Abha, KSA. 2005-2008: Associate Professor, Taibah University, Madina, KSA. 2008-2016: Professor, Taibah University, Madina, KSA. 2016 to present: Professor, Al Imam Mohammad ibn Saud Islamic University, KSA.</p>				
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • 2012-2013 —Generation of Surface optical vortices by evanescent” Grant 32/408, Scientific Research Faculty, Taibah university, by S. Al Awfi and S. Bougouffa. • 2013-2014 —Entanglement Dynamics of Bipartite System in Squeezed Vacuum Reservoirs” Grant 434/3067, Scientific Research Faculty, Taibah university, by S. Bougouffa 				
Industry collaborations over the last 5 years					
Patents and proprietary rights	<table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><i>Title</i></th> <th style="text-align: right;"><i>Year</i></th> </tr> </thead> <tbody> <tr> <td colspan="2" style="height: 100px;"> </td> </tr> </tbody> </table>	<i>Title</i>	<i>Year</i>		
<i>Title</i>	<i>Year</i>				
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>Smail Bougouffa and L. Bougoffa, Solvability of the Generalized System of Stochastic Differential Equations in Driven Cavity Single Mode, Acta Physica Polonica B, 48 (5) (2017) 869.</i> • <i>Adel AL Rehaily and Smail Bougouffa “Entanglement Generation between Two Mechanical Resonators in Two Cavity Optomechanics”. Int J Theor Phys 56 (2017)1399. doi:10.1007/s10773-017-3280-3</i> • <i>Smail Bougouffa and Zbigniew Ficek, “Evidence of indistinguishability and entanglement determined by the energy-time uncertainty principle in a system of two strongly coupled bosonic modes”. Phys. Rev. A 93, 063848 (2016).</i> • <i>Khalid Aloufi, Smail Bougouffa and Z Ficek “Dynamics of entangled states in correlated reservoirs” Phys. Scr, 90, 074020 (2015).</i> • <i>Lazhar Bougoffa and Smail Bougouffa, “New Parametric Approach for the General Lorenz System”, Phys. Scr. 89 (2014) 075203</i> • <i>Smail Bougouffa and Z Ficek “Effect of retardation in the atom-field interaction on entanglement in a double Jaynes-Cummings system”, J. Phys. B: At. Mol. Opt. Phys. 46 224006 (2013)</i> • <i>Smail Bougouffa and Z Ficek “Atoms versus photons as carriers of entanglement” Phys. Rev.A. 88, 022317 (2013)</i> • <i>Smail Bougouffa and Zbigniew Ficek, ” Transfer of quantum states in a four qubit system”, Conference on Coherence and Quantum Optics Rochester, New York United States, June 17-20, 2013</i> 				



<p>Activities in specialist bodies over the last 5 years</p>	<ul style="list-style-type: none">• Editorial Board Member of Journal of Taibah University for Science, 2008-2016• <i>Optical Society of America, Member. 2012-2015.</i>• <i>IOP, Member 2012-2014.</i>
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Name	<i>Mohamed Abdel Rafea Ibraheem Konsow</i>
Post	<i>Professor of solid state physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D Degree in Solid State Physics- Faculty of Science- Cairo University at 31/10/2004.</i> • <i>M.Sc Degree in Physics, Physics Department Cairo University, Faculty of Science (6/8/1996)</i> • <i>B.Sc. in Physics, Faculty of Science, Department of Physics, Helwan University, September 1990.</i>
Employment	<ul style="list-style-type: none"> • <i>Assistant National Research Center, Department of Physics, solid state physics Lab. (1991 -1996).</i> • <i>Researcher Assistant, National Research Center, Department of Physics, solid state physics Lab. (1996-2004).</i> • <i>Assistant professor, National Research Center, Department of Physics, solid state physics Lab. (2004-2005).</i> • <i>Assistant professor, Advanced Technology and New Materials Research institute, the Sceintific city for science & Technology (2005 - 2010).</i> • <i>Associate professor, Electronic Materials Dep., Advanced Technology and New Materials Research institute, the Sceintific city for science & Technology (2010-2012).</i> • <i>Associate Professor, Physics Department, College of Science, Al Imam Mohammed bin Saud Islamic University, Riyadh, KSA 2012-2016.</i> • <i>Professor, Physics Department, College of Science, Al Imam Mohammed bin Saud Islamic University, Riyadh, KSA 2016 to present.</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>PI of the project:- Preparation, Characterization and Optimization of Thin Films Solar Cells Based on Metal Sulfides Compound Semiconductors, project ID 1349, funded by the Egyptian science and technology development fund (STDF), 24 months (2010-2012), Budget 1million LE</i> • <i>Co-PI of the project:- Potential Applications of Newly Synthesized Nano-Composite Organic/Inorganic Hybrid materials via Layer-by-Layer Deposition Technique in Photovoltaic Solar Cells, funded by Alexandria University, Alex Rep, (2009-2011) , Budjet 250,000 LE.</i>
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>Lord shaves company, Alexandria, controlling the curvature of steel over heat treatment.</i> • <i>Iron and steel factory, El Dekheila, Alexandria, determination of the Metallic iron in the row materials.</i> • <i>Determination of the final weight of the Blankets after colouring process, Borg El Arab industrial zone, Alexandria, Egypt</i> • <i>Training of the technicians for several industrial sectors for quality enhancement, Borg El Arab industrial zone, Alexandria, Egypt.</i>
Patents and	-



proprietary rights	
<p>Important publications over the last 5 years.</p> <p>Last 4 publications</p>	<ul style="list-style-type: none"> • <i>M. Abdel Rafea, A.A.M. Farag, O. El-Shazly, E. F. El-Wahidy, N. Roushdy, Crystallite size estimation and photosensitivity characterization of nanocrystalline $Zn_{1-x}Cd_xS$ ($0 \leq x \leq 0.9$) based heterojunctions prepared by simple dip-coating. <i>Microelectronic Engineering</i> 122 (2014) 40–45.</i> • <i>Sawsan M.S. Haggaga, A.A.M. Farag, M. Abdel Refea, Synthesis, characterization and optical-electrical properties of nano Al(III)-8-hydroxy-5,7-dinitroquinolate thin films, , <i>Thin Solid Films</i> Vol. 566 (2014) 38–44.</i> • <i>A.A.M. Farag, M. Abdel Rafea, N. Roushdy, O. El-Shazly, E.F. El-Wahidy, Influence of Cd-content on structural and optical dispersion characteristics of nanocrystalline $Zn_{1-x}Cd_xS$ ($0 < x < 0.9$) films, <i>Journal of Alloys and Compounds</i> 621 (2015) 434–.440</i> • <i>O. El-Shazly, A.A.M. Farag, M. Abdel Rafea, N. Roushdy, E.F. El-Wahidy, Light scattering and photosensitivity characteristics of nanocrystalline $Zn_{1-x}Cd_xS$ ($0 \leq x \leq 0.9$) films for photosensor diode application <i>Sensors and Actuators A: Physical</i> 239 (2016) 220–227.</i>
<p>Activities in specialist bodies over the last 5 years</p>	<ul style="list-style-type: none"> • <i>Member in Scientific Syndicate of Egypt.</i> • <i>Member in the Egyptian Society of Electron Microscopy.</i> • <i>Member of an International Project between Scientific Academy of Research (Egypt-Ukraine) Collaboration in National Research Center.</i> • <i>Referee of 15 Scientific journals and periodicals over 60 referee manuscripts such as:</i> <ul style="list-style-type: none"> - <i>Journal materials Science: Materials in Electronics</i> - <i>Journal of physics D : Applied Physics</i> - <i>Semiconductor science and technology</i> - <i>Journal of physics: condensed matter.</i> - <i>Journal of NanoTechnology</i> - <i>Journal of Alloys and Compounds</i> - <i>Materials Chemistry and Physics</i> - <i>Journal of Laser and optical Materials</i> • <i>Quality Manager Assurance of the ISO 17025 Program of the Central Laboratory for Crystalline and Microstructure properties , The city of Scientific and Technology.</i> • <i>US-Egypt Partnership Science & Technology” - Member of the organizing committee of the workshop entitled: “Synthesis, characterization and industrial applications of nano-particles and nano-structure Materials. 12-16 November 2005.</i>



Name	Ahmed M. Alkaoud
Post	Associate professor of experimental physics
Academic career	<ul style="list-style-type: none"> • Ph.D in Photovoltaic physics, 1999 • Master degree in physics 1992 • Bachelor degree in Physics 1987
Employment	<ul style="list-style-type: none"> • University of Imam Mohamed Ibn Saud 2010-up to now • Collage of Technology, 1987-2010
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Effects of thermal treatment and irradiation on transparent thin films prepared by pulsed laser deposition (351225), 2015-2017, Deanship of Scientific Research, Al-Imam University. Funding: 126,400 SR.</i> • <i>Effects of thermal treatment and irradiation on transparent thin films prepared by pulsed laser deposition (351225), 2015-2017, Deanship of Scientific Research, Al-Imam University. Funding: 126,400 SR.</i> • <i>Characterization of pure and doped conjugated polymer thin films for opto-electronic devices. (341201) 2014-2015. Deanship of Scientific Research, Al Imam University. Funding: 103,740 SR.</i> • <i>On the improvement of the compressive strength of the cement by adding a low coast of nano material to the cement pastes with a different ratios, and also improve the curing time. Deanship of Scientific Research projectNo. 371216 Al-Imam University 2016. Funding: 72,000 SR</i>
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>Collaboration with the Nano technology Group for projects based on thin film technology, its applications and smart coatings : 2014-present, KACST.</i>
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:6</i></p> <ul style="list-style-type: none"> • <i>Nazir Mustapha, ZakiaFekkai, Ahmed Alkaoud. Enhanced efficiency of organic solar cells based on (MEH-PPV) with graphene and quantum dots. Optik 127 (2016) 2755–2760.</i> • <i>Effects of the temperatures on photoluminescence intensity in self-assembled InAs quantum dots coated with gold nanoparticles, A. Alkaoud,. J. Mater Sci: Mater Electron 12-11-2015.</i> • <i>Effects of Thermal Annealing on the Spectral Properties of GaAsBi Alloys Grown by Molecular Beam Epitaxy (MBE), A. Alkaoud,. Journal of Materials Science and Engineering A 5 (7-8) (2015) 249-256.</i> • <i>Thermal annealing effects on the optical and structural properties of (100) GaAs_{1-x}Bi_x layers grown by Molecular Beam Epitaxy, O.M. Lemine, A. Alkaoud, H.V. Avanço Galetí, V. Orsi G</i> • <i>ordo, Y. Galvão Gobato, HoucineBouzid, A. Hajry, and M. Henini. Superlattices and Microstructures 65 (2014) 48–55.</i> • <i>Photoluminescence intensity enhancement in self-assembled InAs quantum dots grown on (3 1 1)B and (1 0 0) GaAs substrates and coated with gold nanoparticles A. Khatib, O.M. Lemine, A. Alkaoud, A. Falamas, M. Aziz, Y. Galvão Gobato, and M. Henini. Physica E 54 (2013) 233–236.</i>



Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none">• <i>Saudi Physical Society (SPS)</i>
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Name	<i>IBRAHIM FAHED ALHAMARNEH</i>
Post	<i>Associate professor of physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Physics, University of Jordan, 2001</i> • <i>Master in Physics, University of Jordan, 1996</i> • <i>Bachelor Degree in Physics, University of Jordan, 1993.</i>
Employment	<ul style="list-style-type: none"> • <i>Philadelphia University, Amman-Jordan, Lecturer, 1996-1998</i> • <i>Al-Balqa Applied University, Lecturer, 1998-2001</i> • <i>Al-Balqa Applied University, Assistant professor, 2001-2009</i> • <i>Washington State University, WA, USA, Adjunct Assistant professor, 2006</i> • <i>Al-Balqa Applied University, Associate professor, 2009-2013</i> • <i>Washington State University, WA, USA, Adjunct Associate professor, 2010-2011</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Associate professor, 2013-</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Research Project entitled "Study of the radiation interaction data of polyethylene glycol", funded by a grant from KACST, Riyadh, KSA, 2015.</i> • <i>Research Project entitled "Experimental investigation of γ-ray attenuation in construction and building materials in Riyadh city using HPGe spectrometry", funded by Al-Imam Mohammad Ibn Saud Univ., Riyadh, KSA, 2015.</i> • <i>Project: Enhancement and Development of Material Science Education Program. World Bank (Loan No - 4539 JO), total sum (\$ 625,000), 2006.</i>
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>Accreditation and Technical Assessment Techniques, Amman, Aug 2009.</i> • <i>Accreditation Unit's 2009 - Refresher Training Session, Amman, Aug 2009.</i>
Patents and proprietary rights	
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>Ibrahim F. Al-Hamarneh, 2017. "Radiological hazards for marble, granite and ceramic tiles used in buildings in Riyadh, Saudi Arabia". <i>Environmental Earth Sciences</i>, 76(15).</i> • <i>Ibrahim F. Al-Hamarneh, N. Alkhomashi, F. Almasoud, 2016. "Study on the radioactivity and soil-to-plant transfer factor of ^{226}Ra, ^{234}U and ^{238}U radionuclides in irrigated farms from the northwestern Saudi Arabia". <i>Journal of Environmental Radioactivity</i> 160, 1-7.</i> • <i>Ibrahim F. Al-Hamarneh, P. Pedrow, N. Abu-lail, A. Sakhan, 2013. "Synthesis and characterization of di(ethylene glycol) vinyl ether films deposited by atmospheric pressure corona discharge plasma". <i>Surface and Coatings Technology</i> 234, 33-41.</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Reviewer for many scientific international journals.</i> • <i>Technical Assessor: Jordan Institute of Standards & Metrology, Amman, Jordan.</i>



Name	<i>Ahmed Mhamoud El-Khayatt</i>
Post	<i>Associate professor of experimental Nuclear physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Nuclear Physics, University of Masora , Egypt, 2005</i> • <i>Master in Nuclear Physics, University of Masora, 199,</i> • <i>Bachelor Degree in Physics, Zagazig , Egypt, 1990.</i>
Employment	<ul style="list-style-type: none"> • <i>University of Shanghai for Science and Technology, Lecturer, 2005-2008</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2008-2012</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Associate professor, 2012-</i>
Research and development projects over the last 2 years	<ul style="list-style-type: none"> • <i>Improvement of shielding properties of concrete by slag addition from local steel industry</i>
Industry collaborations over the last 3 years	<ul style="list-style-type: none"> • <i>EG&G Middle East Company. Riyadh, Saudi Arabia.</i>
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:20</i></p> <ul style="list-style-type: none"> • <i>El-Khayatt A. M., 2017. Water Equivalence of some 3D Dosimeters: A Theoretical Study based on Effective Atomic Number and Effective Fast Neutron Removal Cross-Section. Accepted for publication NUCL SCI TECH.</i> • <i>El-Khayatt A. M., 2017. Semi-empirical determination of gamma-ray kerma coefficients for materials of shielding and dosimetry from mass attenuation coefficients. Prog. Nucl. Energy, 98, 277 - 284 DOI: 10.1016/j.pnucene.2017.04.006</i> • <i>El-Khayatt A. M., 2017. Calculation of photon shielding properties for some neutron shielding materials. NUCL SCI TECH, (28):69. DOI: 10.1007/s41365-017-0222-y</i> • <i>Eyecioğlu Ö, El-Khayatt A. M., Karabul Y, Icelli O., 2017. A study on compatibility of the experimental effective atomic numbers with those predicted by ZXCUM program. NUCL SCI TECH, (28):63. DOI: 10.1007/s41365-017-0220-0</i> • <i>Eyecioğlu Ö, Karabul Y, El-Khayatt A. M., Icelli O., 2016. ZXCUM: a Software for Computation of Radiation Sensing Attributes. Radiat. Eff. Defects Solids, 171(11-12), 965-977. Doi.org/10.1080/10420150.2016.1263958.</i> • <i>Ali A. M., El-Khayatt A. M., Akkurt I., 2016. Determination of effective atomic number and electron density of heavy metal oxide glasses. Radiat. Eff. Defects Solids, 169(12), 1038-1044. DOI: 10.1080/10420150.2016.1170016</i> • <i>El-Khayatt A. M., Vega-Carrillo H. R., 2015. Photon and neutron kerma coefficients for polymer gel dosimeters. Nucl. Instrum. Methods Phys. Res. A 792, 6-10. DOI: 10.1016/j.nima.2015.04.033</i> • <i>Darwish D.A.E., Abul-Nasr K.T.M., El-Khayatt A.M., 2015. The assessment of natural radioactivity and its associated radiological hazards and dose parameters in granite samples from South Sinai, Egypt. J. Radiat. Res. Appl. Sci. 8, 17-25. DOI: 10.1016/j.jrras.2014.10.003</i> • <i>El-Khayatt A. M., Al-Rajhi M. A., 2015. Analysis of some lunar soil and rocks samples</i>



	<p><i>in terms of photon interaction and photon energy absorption. Adv. Space Res. 55(7), 1816-1822. DOI: 10.1016/j.asr.2015.01.020</i></p> <ul style="list-style-type: none"> • <i>El-Khayatt A. M., Ali A. M., Singh V. P., Badiger N. M., 2014. Determination of mass attenuation coefficient of low-Z dosimetric materials. Radiat. Eff. Defects Solids, 169(12), 1038-1044. DOI: 10.1080/10420150.2014.988626</i> • <i>Kurudireka M., El-Khayatt A. M., Gerward L., 2014. Remarks on the extension and validity of an empirical formula for the fast-neutron removal cross-section: The effective atomic weight. Ann. Nucl. Energy 70, 230–232. DOI: 10.1016/j.anucene.2014.03.014</i> • <i>Singh V. P., Badger N. M., El-Khayatt A. M., 2014. Study on gamma-ray exposure buildup factors and fast neutron shielding properties of some building materials. Radiat. Eff. Defects Solids. 169(6), 547-559. DOI: 10.1080/10420150.2014.905942</i> • <i>El-Khayatt A. M., Ali A. M., Singh V. P., 2014. Photon attenuation coefficients of Heavy-Metal Oxide glasses by MCNP, XCOM program and experimental data: A comparison study. Nucl. Instrum. Methods Phys. Res. A 735, 207-212. DOI: 10.1016/j.nima.2013.09.027</i> • <i>Singh V. P., Ali A. M., Badiger N. M., El-Khayatt A. M., 2013. Monte Carlo simulation of gamma ray shielding parameters of concretes. Nucl. Eng. Des. 265, 2013, 1071–1077. DOI: 10.1016/j.nucengdes.2013.10.008</i> • <i>El-Khayatt A. M., Akkurt I., 2013. Photon interaction, energy absorption and neutron removal cross section of concrete including marble. Ann. Nucl. Energy 60, 8-14. DOI: 10.1016/j.anucene.2013.04.021</i> • <i>Akkurt I., El-Khayatt A. M., 2013. Effective atomic number and electron density of marble concrete. J. Radioanal. Nucl. Chem. 259(1), 633-638. DOI: 10.1016/j.anucene.2013.04.021</i> • <i>Akkurt I., El-Khayatt A. M., 2013. The effect of barite proportion on neutron and gamma-ray shielding. Ann.Nucl.Energy 51, 5-9. DOI:10.1016/j.anucene.2012.08.026</i> • <i>Yilmaz E., Baltas H., Kirisa E., Ustabas İ., Cevik U., El-Khayatt A. M., 2011. Gamma ray and neutron shielding properties of some concrete materials. Ann. Nucl. Energy 38(10), 128-132. DOI: 10.1016/j.anucene.2011.06.011</i> • <i>Kurudirek M, Ozdemir Y, El-Khayatt A M. 2011. Analysis of some Pb, Th and U compounds in terms of photon interaction, photon energy absorption and fast neutron attenuation. Radiat. Phys. Chem. 80(8), 855-862. DOI: 10.1016/j.radphyschem.2011.03.015</i> • <i>El-Khayatt A M. 2011. NXcom - A program for calculating attenuation coefficients of fast neutrons and gamma-rays. Ann Nucl Energy 38(1), 128-132. DOI: 10.1016/j.anucene.2010.08.003</i>
<p>Activities in specialist bodies over the last 5 years</p>	<ul style="list-style-type: none"> • <i>A member of the Editorial Review Board (ERB) of the International Journal of Energy Optimization and Engineering (IJEEO).</i> • <i>Reviewer of the International Journal Annals of Nuclear Energy (Netherlands); Elsevier journals.</i> • <i>Reviewer of the International Journal of “Radioanalytical & Nuclear Chemistry (JRNC) “; Springer journals.</i> • <i>Reviewer of the International “Nuclear Inst. and Methods in Physics Research, A. (NIMA)”; Elsevier journals.</i>



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| | <ul style="list-style-type: none">• <i>Reviewer of the International Journal “Neural Computing and Applications”; Springer journals.</i>• <i>Reviewer of the Applied radiation and Isotopes</i>• <i>Reviewer of the Journal of Radiation Physics and Chemistry</i>• <i>Reviewer of the Journal of Radioprotection</i>• <i>Reviewer of the Journal of Water, Air, & Soil Pollution</i>• <i>Reviewer of the Journal of Nuclear Science and Techniques, NST</i> |
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Name	<i>Nazir Mustapha</i>										
Post	<i>Associate professor of Applied physics</i>										
Academic career	<ul style="list-style-type: none"> • <i>PhD in Thin film technology, Loughborough University, 1995</i> • <i>MPhil in Physics, Loughborough University, 1992.</i> • <i>Bachelor Degree in Physics, King Abdul Aziz University, 1985.</i> 										
Employment	<ul style="list-style-type: none"> • <i>Loughborough Technical College, Lecturer, 1995-1996</i> • <i>Birmingham University, 1997-2001</i> • <i>Surrey University, 2001-2002</i> • <i>Oxford University and Ophys Limited, 2002,2003</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Associate professor, 2004-present</i> 										
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Optical, electrical and structural properties of transparent thin films for smart coatings. (361216), 2016-2017, Deanship of Scientific Research, Al-Imam University. Funding: 78,600 SR.</i> • <i>Effects of thermal treatment and irradiation on transparent thin films prepared by pulsed laser deposition (351225), 2015-2017, Deanship of Scientific Research, Al-Imam University. Funding: 126,400 SR.</i> • <i>Effects of Gamma irradiation on the thin film properties in optical and electronic devices. (331219), 2014-2015, Research Deanship, Al-Imam University. Funding: 26,400 SR.</i> • <i>Optimization of physical interfaces between substrated and deposited thin films in microelectronic device fabrication. ()2013-2015. Deanship of Scientific Research, Al Imam University. Funding: 57,600 SR.</i> • <i>Characterization of pure and doped conjugated polymer thin films for opto-electronic devices. (341201) 2014-2015. Deanship of Scientific Research, Al Imam University. Funding: 103,740 SR.</i> • <i>Modelling and simulation of high-efficiency light emitting diode. (2012-2013). Deanship of Scientific Research, Al Imam University. Funding: 76,800 SR.</i> 										
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>Collaboration with the Nano technology Group for projects based on thin film technology, its applications and smart coatings : 2010-present, KACST.</i> • <i>Collaboration with King Saud University on projects based on organic solar cells, and light emitting diodes.2010-present</i> 										
Patents and proprietary rights	<table border="0"> <thead> <tr> <th style="text-align: left;"><i>Title</i></th> <th style="text-align: right;"><i>Year</i></th> </tr> </thead> <tbody> <tr> <td colspan="2"><i>Total number:3</i></td> </tr> <tr> <td>• A. Alyamani a, N. Mustapha.Effects of high dose gamma irradiation on ITO thin film properties. Thin Solid Films 611 (2016) 27–32.</td> <td></td> </tr> <tr> <td>• Nazir Mustapha, ZakiaFekkai, Ahmed Alkaoud. Enhanced efficiency of organic solar cells based on (MEH-PPV) withgraphene and quantum dots. Optik 127 (2016) 2755–2760.</td> <td></td> </tr> <tr> <td>• A. Alyamani, K.H. Ibnaouf, O.A. Yassin, M.S. AlSalhi, Z. Fekkai, N. Mustapha.Spectral, electrical and morphological properties of spin coated MEH-PPV and cresyl violet blended thin films for a light emitting diode. Optik 127 (2016) 2331–2335.</td> <td></td> </tr> </tbody> </table>	<i>Title</i>	<i>Year</i>	<i>Total number:3</i>		• A. Alyamani a, N. Mustapha .Effects of high dose gamma irradiation on ITO thin film properties. Thin Solid Films 611 (2016) 27–32.		• Nazir Mustapha , ZakiaFekkai, Ahmed Alkaoud. Enhanced efficiency of organic solar cells based on (MEH-PPV) withgraphene and quantum dots. Optik 127 (2016) 2755–2760.		• A. Alyamani, K.H. Ibnaouf, O.A. Yassin, M.S. AlSalhi, Z. Fekkai, N. Mustapha .Spectral, electrical and morphological properties of spin coated MEH-PPV and cresyl violet blended thin films for a light emitting diode. Optik 127 (2016) 2331–2335.	
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• A. Alyamani a, N. Mustapha .Effects of high dose gamma irradiation on ITO thin film properties. Thin Solid Films 611 (2016) 27–32.											
• Nazir Mustapha , ZakiaFekkai, Ahmed Alkaoud. Enhanced efficiency of organic solar cells based on (MEH-PPV) withgraphene and quantum dots. Optik 127 (2016) 2755–2760.											
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Important publications over the last 5 years	<ul style="list-style-type: none"> • A. Alyamani a, N. Mustapha.Effects of high dose gamma irradiation on ITO thin film properties. Thin Solid Films 611 (2016) 27–32. • Nazir Mustapha, ZakiaFekkai, Ahmed Alkaoud. Enhanced efficiency of organic solar cells based on (MEH-PPV) withgraphene and quantum dots. Optik 127 (2016) 2755–2760. • A. Alyamani, K.H. Ibnaouf, O.A. Yassin, M.S. AlSalhi, Z. Fekkai, N. Mustapha.Spectral, electrical and morphological properties of spin coated MEH-PPV and cresyl violet blended thin films for a light emitting diode. Optik 127 (2016) 2331–2335. 										



	<ul style="list-style-type: none"> • S. Al-Omari, A. A. Mubarak, M. Al-Noaimi, F.Afaneh, A. Aqili, I. Hamarneh and N. Mustapha. Multielemental analysis of pharmaceuticals derived from plant seeds by energy dispersive X-ray fluorescence spectrometry. <i>Instrumentation Science & Technology</i>. 2016, VOL. 44, NO. 1, 98–113. • K H Ibnaouf, S. Prasad, v. Masilamani, M. S. AlSalhi, N. Mustapha, A.Alyamani. Triple amplified spontaneous emissions from a conjugated copolymer BEHP-co-MEH-PPV in solution. <i>Physica E</i> 53(2013) 66-71 • N. Mustapha, KH Ibnaouf, Z. Fekkai, A. Hennache, S. Prasad, A.Alyamani. Improved efficiency of solar cells based on BEHP-co- MEH-PPV doped with ZnO nanoparticles. <i>Optik-International Journal for Light and Electron Optics</i>. Volume 124, Issue 22, November 2013, Pages 5524-5527
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Saudi Physical Society, member, 2009-2015.</i> • <i>Optik-International Journal for Light and Electron Optics, Editor/ reviewer- 2015-present</i> • <i>Journal of Chemistry and Materials Research, Editor, 2015-present.</i> • <i>UNSYSDigital International Journals, Editor, 2014-present.</i> • <i>Advances in OptoElectronics— An Open Access Journal - Hindawi. Editor, 2015-present.</i> • <i>International Conference on Power Generation Systems and Renewable Energy Technologies November 29 to December 2, 2010 Member of the technical committee.</i>



Name	<i>Ali Mohamed Ali Eid</i>				
Post	<i>Associate professor of theoretical physics</i>				
Academic career	<ul style="list-style-type: none"> • <i>Ph. D. in Theoretical Physics, Faculty of Math and Physics, Charles University, 2000.</i> • <i>Master in High Energy Physics, Faculty of Science, Cairo University, 1990.</i> • <i>Bachelor Degree in Astrophysics, Faculty of Science, Cairo University, 1984.</i> 				
Employment	<ul style="list-style-type: none"> • <i>Faculty of Science, Cairo University, Demonstrator, 1984-1990.</i> • <i>Faculty of Science, Cairo University, Lecturer, 1990-2000.</i> • <i>Faculty of Science, Cairo University, Assistant professor, 2000-2009.</i> • <i>Faculty of Science, Cairo University, Associate professor, 2009-2010.</i> • <i>College of Science, Al Imam Mohammad Ibn Saud Islamic University, Associate professor, 2010-2017.</i> 				
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>On laser-induced breakdown spectroscopy (LIBS), Period: 2013-2015, King Abdul-Aziz City for Science and Technology (KACST), with a principal researcher Dr. M. Khater.</i> • <i>Deanship of Academic Research, Al-Imam Mohammad Ibn Saud Islamic University, Project Number: 32121, From 27 – 10 – 1433 H.</i> • <i>Deanship of Academic Research, Al-Imam Mohammad Ibn Saud Islamic University, Project Number: 371213, From 1 –2 – 1437 H.</i> 				
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>On laser-induced breakdown spectroscopy (LIBS), Period: 2013-2015, King Abdul-Aziz City for Science and Technology (KACST), with a principal researcher Dr. M. Khater.</i> • <i>Deanship of Academic Research, Al-Imam Mohammad Ibn Saud Islamic University, Project Number: 32121, From 27 – 10 – 1433 H.</i> • <i>Deanship of Academic Research, Al-Imam Mohammad Ibn Saud Islamic University, Project Number: 371213, From 1 –2 – 1437 H.</i> 				
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<i>Title</i>	<i>Year</i>				
<i>Total number:12</i>					
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>A. Eid, Astrophysics and Space Science, 337, N.2, 747(2012), 345,203(2013).</i> • <i>A. Eid, Dynamics of a radiating thick shell, Advanced Studies in Theoretical Physics,8, n.4, 163(2014).</i> • <i>A. Eid, Neutral thin shell stability in RN de Sitter space time, Adv. Stud. of Theor Phys, 8, no. 25, 1125(2014).</i> • <i>A. Eid, Linearized stability of Reissner Nordstrom de-Sitter thin shell wormholes, New Astronomy 39, 72–75(2015).</i> • <i>A. Eid, Dynamics of a charged scalar field thin shell, GRAVITATION & COSMOLOGY, vol. 21, issue 4,1(2015).</i> • <i>A. Eid, Charged thin shell Wormholes with Variable Equations of State, Advanced Studies in Theoretical Physics, 9, no.11, 503(2015).</i> • <i>A. Eid, Dynamics of charged shell with a cosmological constant, New Astronomy 44,17–20 (2016).</i> • <i>A. Eid, ON THE STABILITY OF CHARGED THIN SHELL WORMHOLES, Eur. Phys. J. Plus 131, 23(2016).</i> • <i>A. Eid, Cylindrical thin-shell wormholes supported by phantom energy, Eur. Phys. J. Plus 131, 298(2016).</i> 				



	<ul style="list-style-type: none"> • A. Eid, <i>Stability of charged thin shell wormhole supported by polytropic gas</i>, <i>New Astronomy</i> 53, 6–11(2017). • A. Eid, <i>Stability of thin shell wormholes in Born–Infeld theory supported by polytropic phantom energy</i>, <i>Journal of the Korean Physical Society</i>, Vol. 70, No. 4, 436-441(2017). • A. Eid, <i>Stability of thin shell wormholes with a modified Chaplygin gas in Einstein-Hoffman –Born–Infeld theory</i>, <i>Indian J. Phys.</i>, 91 (11):1451–1456(2017).
<p>Activities in specialist bodies over the last 5 years</p>	



Name	<i>Kamal Berrada</i>
Post	<i>Associate Professor of Physics</i>
Academic career	<ul style="list-style-type: none"> • <i>PhD in Theoretical Physics, Department of Physics, College of Sciences, Mohammed – V University, Rabat, Morocco, 2010.</i> • <i>MSc in Condensed Matter Physics, Physics Department, College of Sciences, Chouaib Doukkali University, El Jadida, Morocco, 2007.</i> • <i>BSc in Physics, Physics Department, College of Sciences, Chouaib Doukkali University, El Jadida, Morocco, 2005.</i>
Employment	<ul style="list-style-type: none"> • <i>December 2016-Present: Associate Professor, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.</i> • <i>November 2012-1016: Assistant Professor, Physics Department, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.</i> • <i>2008-2010: Part-time Professor, College of Sciences, Mohamed-V University, Rabat, Morocco.</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Research Project entitled "Measures of nonclassicality for a two-level atom interacting with power-law potential field under decoherence effect", funded by a grant from KACST, Riyadh, KSA, 2015.</i> • <i>Research Project entitled "Quantum and classical correlations for interacting and non-interacting qubits in contact with different environments", funded by Al-Imam Mohammad Ibn Saud Univ., Riyadh, KSA, 2016.</i> • <i>Research Project entitled " Information quantifiers, entropy squeezing and entanglement properties of superconducting qubit-deformed bosonic field system under decoherence effect", funded by Al-Imam Mohammad Ibn Saud Univ., Riyadh, KSA, 2015.</i>
Industry collaborations over the last 5 years	<i>N/A</i>
Patents and proprietary rights	<i>N/A</i>
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>L. K. Castelano, F. F. Fanchini, K. Berrada, Open quantum system description of singlet-triplet qubits in quantum dots, Physical Review B 94 (23), 235433 (2016).</i> • <i>K. Berrada, Non-Markovian effect on the precision of parameter estimation, Physical Review A 88 (3), 035806 (2013).</i> • <i>K. Berrada, Quantum metrology with SU (1, 1) coherent states in the presence of nonlinear phase shifts, Physical Review A 88 (1), 013817 (2013).</i> • <i>K. Berrada, F. F. Fanchini, S. Abdel-Khalek, Quantum correlations between each qubit in a two-atom system and the environment in terms of interatomic distance, Physical Review A 85 (5), 052315 (2012).</i> • <i>K. Berrada, S. A. Khalek, C. H. R. Ooi, Quantum metrology with entangled spin-coherent states of two modes, Physical Review A 86 (3), 033823 (2012).</i>



<p>Activities in specialist bodies over the last 5 years</p>	<ul style="list-style-type: none"> • <i>Member of Academic Plans committee, Department, College of Science, Al-Imam Mohammad Ibn Saud University.</i> • <i>Member of Department Physics Quality Unit, College of Science, Al-Imam Mohammad Ibn Saud Islamic University.</i> • <i>Associate member at International Centre of Theoretical Physics, Trieste, Italy.</i> • <i>Reviewer for many scientific international journals.</i> • <i>Organizing committee member: International Conference on Quantum Information Theory QIT: Theoretical Foundations & Applications, College of Sciences. Rabat, Mohammed –V University, Morocco, 2010.</i> • <i>Member of Theoretical Physics Network, RENAPT, Rabat, Morocco.</i>
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Name	<i>Khalid Hassan Ibnaouf</i>
Post	<i>Associate professor of physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D. in physics, Alneelain University, 2008</i> • <i>M.Sc. Physics, King Saud University – College of Science, Kingdom of Saudi Arabia (2005).</i> • <i>B. Sc. Physics, Physics Department, College of Science, University of Alneelain , Khartoum, Sudan (1998)</i>
Employment	<ul style="list-style-type: none"> • <i>Lecturer of Physics University of Alneelain (Khartoum- Sudan) from July. 10, 2005 to June. 22, 2008.</i> • <i>Assistant Professor of Physics University of Alneelain (Khartoum- Sudan) from June. 23, 2008 to Nov.13, 2009.</i> • <i>Assistant Professor of Physics Al-Imam Mohammad Ibn Saud Islamic University, (Riyadh- Kingdom of Saudi Arabia), from 14 Nov 2009- Feb 2015.</i> • <i>Associate professor of Physics Al-Imam Mohammad Ibn Saud Islamic , (Riyadh- Kingdom of Saudi Arabia), from Feb 2015 to Now</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Synthesis, spectral and ASE studies of pyrazoles in the liquid state</i> • <i>Synthesis of some Chalcones and related heterocyclic compounds for Designing Solid State Laser (NPST)</i>
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>Laser from laser dye (LD-473) in solid state.</i>
Patents and proprietary rights	
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>K.H.Ibnaouf , Optical and amplified spontaneous emission from an efficient conducting copolymer (PFO-co-MEH-PPV) in solution Journal of Luminescence 192, 707-712, 2017.</i> • <i>M.K.M.Ali, A. OElzupir, M. A. Ibrahim, I. I. Suliman, A.Modwi, Hajo Idriss, K.H.Ibnaouf, Characterization of optical and morphological properties of chalcone thin films for optoelectronics applications; Optik-International Journal for Light and Electron Optics 145, 529-533-2017.</i> • <i>Amplified Spontaneous Emission (ASE) Properties of a laser dye (LD-473) in solid state Journal of the European Optical Society-Rapid Publications 13 (1), 20, 2017.</i> • <i>K. H. Ibnaouf, M. K. M. Ali, A.O. Elzupir, M. A. Ibrahim, H. Idriss, A.S. Alaamer, M. A. Alrajhi, M. S. Alsalhi, Spectral and ASE properties of an amino chalcone 1-(4-chlorophenyl)-3-(4- n, n dimethylamino phenyl)-2-propen-1-one, Digest Journal of Nanomaterials and Biostructures</i> • <i>12 (2), 423-430 2017</i> • <i>A. Alyamani, K. H. Ibnaouf, O. A. Yassin, M. S. Al Salhi, Z. Fekkai, N. Mustapha, Spectral, electrical and morphological properties of spin coated MEH-PPV and cresyl violet blended thin films for a light emitting diode, Optik-International Journal for Light and Electron Optics 127 (4), 2331, 2016.</i>



- A Alyamani, KH Ibnaouf, O. A. Yassin, M. S. Al Salhi, Z. Fekkai, N. Mustapha "Spectral, electrical and morphological properties of spin coated MEH-PPV and cresyl violet blended thin films for a light emitting diode" *Optik-International Journal for Light and Electron Optics*, 127, 2331-2335.
- K.H. Ibnaouf, "Effects of the solvent environments on the ASE from coumarin 503" 126, 5057-5060.
- K.H. Ibnaouf, "Amplified spontaneous emission spectra of poly (9, 9-dioctylfluorenyl-2, 7-diyl) under pulsed laser excitation", *Synthetic Metals* 209 (2015) 534–543.
- S. Prasad, K .H. Ibnaouf, M. S. AlSalhi, D.Devaraj and V. Masilamani, "High power amplified spontaneous emission from an oligomer in solution", *Journal of Luminescence*, 168(2015)109–113.
- K.H. Ibnaouf, "Influence of the CdSe quantum dots concentration on the amplified spontaneous emission from the conjugated polymer (MEH-PPV) in solution", Elsevier, *OPTICS AND LASER TECHNOLOGY* Volume: 67 Pages: 150-154.
- Saradh Prasad, K. H. Ibnaouf, M. S. AlSalhi, Kamal Alameh, D. Devaraj, A. Hamdan, M. R. Karim7, M. B. Zaman, and V. Masilamani " Laser from Optically Pumped Quantum Dot CdSe/ZnS in a Colloidal Liquid" *Journal of Nanoscience and Nanotechnology*, Vol. 15, 1–4, 2015
- K.H. Ibnaouf, O.A. Yassin and Sara A Mukhtar "The dependence of the ideality factor on the charge density of a conjugated polymer (MEH-PPV) doped with some laser dyes", Elsevier, *Optik*
- K.H. Ibnaouf, M. Al Salhi, S. Prasad, A. Hamdan, V. Masilamani, L. ElMir and M. B. Zaman "Influence of the solvent environments on the spectral features of CdSe quantum dots with and without ZnS shell". Elsevier, *J.of Luminescence*, 149(2014)369–373.
- S. Prasad, K .H. Ibnaouf V. Masilamani, M. S. AlSalhi "Laser from dimer state from a conjugated polymer PFO in solution", Elsevier, *Journal of Polymer, Polymer* 55 (2014) 727e732.
- K.H. Ibnaouf, S. Prasad, A. Hamdan2,3, M. Al Salhi, A.S. Aldwayyan, V. Masilamani, and M. B. Zaman "Photoluminescence Spectra of CdSe/ZnS Quantum Dots in solution", Elsevier, *Journal of spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 121, 5 March 2014, Pages 339-345.
- N. Mustapha, K. H. Ibnaouf, Z. Fekkai A. Hennache, S. Prasad and A. Alyamani "Improved efficiency of solar cells on BEHP-co-MEH-PPV doped with ZnO nanoparticles" *Optik - International Journal for Light and Electron Optics*, Volume 124, Issue 22, November 2013, Pages 5524-5527.
- K .H. Ibnaouf, "Dual ASE from monomeric and excimeric States of a Conjugated polymer PDHF in Solution Elsevier, *Optics & Laser Technology*. Elsevier *Optics & Laser Technology* 54(2013)309–314
- K .H. Ibnaouf, S. Prasad V. Masilamani, M. S. AlSalhi "Triple amplified spontaneous emissions from a conjugated copolymer BEHP-co-MEH-PPV in solution" Elsevier, *Journal of Physica E*, 53, 66–71 (2013).
- K .H. Ibnaouf, S. Prasad V. Masilamani, M. S. AlSalhi "Evidence for amplified



	<p><i>spontaneous emission from Double Excimer State of a Conjugated polymer PDHF in Solution</i> , Elsevier, <i>Polymer journal</i>, 54, 2401-2405 (2013).</p> <ul style="list-style-type: none"> • K.H. Ibnaouf “Excimer State of a Conjugated Polymer (MEH-PPV) in Thin Film, Elsevier, <i>Journal of Optics & Laser Technology</i>, 48, 401–404 (2013). • K .H. Ibnaouf, S. Prasad V. Masilamani, M. S. AlSalhi and A.S Alaamer” <i>Evidence for Double Excimer State of conjugated polymer in a liquid solution” J. Europ. Opt. Soc. Rap. Public.</i> 8, 13001 (2013). • K.H. Ibnaouf, S. Prasad , A.S. Aldwayyan, Mohammad S. AlSalhi, V. Masilamani " <i>Amplified spontaneous emission spectra from Superexciplex" of Coumarin138 "</i>, Elsevier, <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> 97, 1145–1151, (2012). • K.H. Ibnaouf, “<i>Laser from external energy transfer of MEH–PPV conjugated polymer</i>” Elsevier, <i>Optics & Laser Technology</i>, 44, 710–713, (2012). • M. S. AlSalhi , K. H. Ibnaouf , V. Masilamani , O. A. Yassin “<i>Amplified Spontaneous Emission from Internal Energy Transfer Process in the Copolymer BEHP-co-MEH-PPV</i>” Elsevier, <i>Journal of Luminescence</i>, 132, 484–490, (2012). • M. S. AlSalhi, K. H. Ibnaouf. V. Masilamani. O. A. Yassin “<i>Excimer state of a conjugate polymer (MEH-PPV) in liquid solutions</i>” <i>Journal of Laser Physics.</i> 12, 1361-1366, (2007). • V. Masilamani, K. H. Ibnaouf. M. S. AlSalhi. O. A. Yassin “<i>Laser Properties of a Conjugate Polymer (MEH- PPV) in the liquid- Excimeric state</i>” <i>Journal of Laser Physics.</i> 17, 1367- 1372. (2007) • K.H. Ibnaouf, V. Masilamani, A.S. Aldwayyan, and M.S. AlSalhi “<i>Dual ASE Spectra from Superexciplex TICT States of Dye Molecules</i>” <i>Journal of Laser Physics</i>, 15, (2005). • K .H. Ibnaouf, S. Prasad V. Masilamani, M. S. AlSalhi <i>High Power Laser from dimer and double dimer of a conjugated polymer of PFO in thin films.</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Mohamed Hassan Eisa Salim (M. H.EISA)</i>
Post	<i>Associate professor of experimental physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Postdoctoral Fellow: Nano Physics, TWAS and Universiti Sains Malaysia (USM), Pinang, Malaysia, 2010</i> • <i>Ph. D., Doctor of Philosophy in Physics by (Courses +Thesis) Applied Ion Beam Physics, Fudan University, Shanghai, China, 2005</i> • <i>Diploma in Chinese Language, Fudan University, Shanghai, China, 2001</i> • <i>Master in Physics (Courses+ Thesis) Nanjing Normal University (NJNU), Nanjing, China,1997</i> • <i>Bachelor Degree in Physics (Honor, 2nd Class, Division One, 5 years) University of Khartoum, Khartoum, Sudan,1992</i>
Employment	<ul style="list-style-type: none"> • <i>Al-Sharg University, Kassala, Sudan, Teaching Assistant, 1992 -1994</i> • <i>Kassala University, Kassala, Sudan, Lecturer, 03/1997-11/1997</i> • <i>Kassala University, Kassala, Sudan, Head of Physics Department, 11/1997 -04/1999</i> • <i>Sudan Institute for Natural Sciences (SIFNS) Khartoum, Sudan, Research Unit, Researcher, 04/1999- 09/1999</i> • <i>Sudan University of Science &Technology (SUST), College of Science, Physics Department, Khartoum, Sudan, Lecturer of Physics, 10/1999 -08/2000</i> • <i>Sudan University of Science &Technology, College of Science, Physics Department, Khartoum, Sudan, Assistant Professor of Physics, 30/08/2005 –12/05/2009</i> • <i>Sudan University of Science &Technology, College of Science, Physics Department, Khartoum, Sudan, Coordinator of Master Program of Physics,2006- 2009</i> • <i>Universiti Sains Malaysia, School of Physics, Pinang 11800, Malaysia,2009-2010</i> • <i>Sudan University of Science &Technology, College of Science, Physics Department ,Khartoum, Sudan, Head of Physics Department, 10/2010 -11/2010</i> • <i>Sudan University of Science &Technology, College of Science, Physics Department, Khartoum, Sudan, Associate Professor of Physics 05/2009 -11/2012</i> • <i>Al Imam Mohammad Ibn Saud Islamic University (IMSIU) College of Science, Physics Department, Riyadh, KSA, Associate Professor of Physics, 2012 Up to date</i> • <i>Al Imam Mohammad Ibn Saud Islamic University (IMSIU), Riyadh, KSA, Director of Training Unit at College of Science: 2015 Up to date</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>X-RAY ABSORPTION CALCULATIONS OF GROUND STATE AND ELECTRONIC TRANSITIONS FOR MOLECULES AND CRYSTALS OF ACRIDINE (Education Young Elite Teacher Project (Grant No. YETP1228) China-Sudan, 2015-2017.</i> • <i>Dynamics of supersolid crystals in microcavity polariton condensates(Grant No. YETP1228) China-Sudan, 2015-2017.</i> • <i>First-principles identification of charge-transition levels of native defects in BaF₂ and CaF₂, ICTP, Trieste and the African City of Technology, Sudan, 2013-2016</i> • <i>Antifungal activity of wide band gap Thioglycolic acid capped ZnS: Mn semiconductor nanoparticles, Iraq - Sudan, 2016-2017</i> • <i>High Sensitive H₂ Gas Sensor of ZnO/PS Nanostructure, , Iraq - Sudan, 2015-2016</i> • <i>PIXE studies on biomedical materials, China</i>



Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>Gold mining Detectors, China, Germany, Canada, Sudan, Period: 2016-up to date</i>
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:3</i></p> <ul style="list-style-type: none"> • <i>M. H. Eisa, H. Shen, W. Jin, Abdulaziz S. Alaamer, M.A. Al-Rajhi and Hajo Idriss, PIXE study on the effects of parathyroid hormone on elemental content in rat bones, Physica Medica, Vol. 32, Issue 12, 23 December (2016) 1615– 1620</i> • <i>Isam M. Ibrahim, Iftikhar M. Ali, Batol Imran Dheeb, Qays A. Abbas, Asmeit Ramizy, M. H. Eisa and A. I. Aljameel, Antifungal activity of wide band gap Thioglycolic Acid Capped ZnS: Mn semiconductor nanoparticles against some pathogenic fungi, Materials Science and Engineering c, Vol. 73, 1 April (2017), P. 665–669</i> • <i>A. M. Ibrahim Elrufai, M. Khalafalla, M. H. Eisa, First principle calculation of accurate native defect levels in CaF₂, European Physical Journal B, Volume 90, Issue 3, 8 March (2017)</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>International Journal of Science Research, Editor member, 2014-2017</i> • <i>American Journal of Scientific and Industrial Research, 2015-2017</i>



Name	<i>Raed Hussain S Alhathlool</i>
Post	<i>Assistant professor of physics</i>
Academic career	<ul style="list-style-type: none"> • <i>PhD in Terahertz Quantum Cascade Lasers, Institute of Microwaves and Photonics, School of Electronic and Electrical Engineering, University of Leeds, Leeds, UK, 2014.</i> • <i>MSc in Laser Physics, Physics and Astronomy Department, College of Science, King Saud University, Riyadh, Saudi Arabia, 2004.</i> • <i>BSc in Physics, Physics Department, College of Science, King Saud University, Riyadh, Saudi Arabia, 1999.</i>
Employment	<ul style="list-style-type: none"> • <i>March 2016-Present: Head of Research Centre, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.</i> • <i>November 2014-Present: Assistant Professor, Physics Department, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.</i> • <i>November 2014-January 2017: Vice Dean for Development and Quality, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.</i> • <i>2007-2014: Lecture, Physics Department, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.</i> • <i>2000-2007: Physics Teacher, Ministry of Education, Riyadh, Saudi Arabia.</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Terahertz Quantum Cascade Lasers, Institute of Microwaves and Photonics, School of Electronic and Electrical Engineering, University of Leeds, Leeds, UK, 2014.</i> • <i>Thesis title: "Development and applications of Terahertz Quantum Cascade Lasers".</i>
Industry collaborations over the last 5 years	<i>N/A</i>
Patents and proprietary rights	<i>N/A</i>
Important publications over the last 5 years	<p><i>Total number:11</i></p> <ul style="list-style-type: none"> • <i>Mohamed Ben Rabha, Lotfi Khezami, Abdelbasset Bessadok Jemai, Raed Alhathlool, Abdelhamid Ajbar "Surface passivation of silicon nanowires based metal nano-particle assisted chemical etching for photovoltaic applications" Journal of Crystal Growth 462 (2017) 35–40.</i> • <i>O.M. Lemine, M. Bououdina, A. Alyamani, K. Omri, K. Ibnaouf, M.A. Ibrahem, R. Alhathlool "Defect-induced room temperature ferromagnetism in mechanically milled nanocrystalline In₂O₃ powder" Materials Letters 181 (2016) 152–155.</i> • <i>A. Ramizy, M. A. Hammadi, I. M. Ibrahim, M. H. Eisa, R. Alhathlool "High sensitive H₂ gas sensor of ZnO/PS nanostructure prepared via pulsed laser deposition technique" Digest Journal of Nanomaterials and Biostructures Vol. 11, No. 4, October-December 2016, p. 1351-1360.</i> • <i>Hajo Idriss, Kamal K. Taha, O. Aldaghri, R. Alhathlool, M.S. AlSalhi, K.H. Ibnaouf "Amplified spontaneous emission from the exciplex state of a conjugated polymer "PFO" in oleic acid" Optics & Laser Technology 83 (2016) 148–152.</i> • <i>Lotfi Khezami, Abdelbasset Bessadok Jemai, Raed Alhathlool, Mohamed Ben Rabha "Electronic quality improvement of crystalline silicon by stain etching-based PS</i>



	<p><i>nanostructures for solar cells application" Solar Energy V. 129 pp. 38–44 (2016).</i></p> <ul style="list-style-type: none"> • <i>Keeley J, Dean P, Valavanis A, Bertling K, Lim YL, Alhathloul R, Taimre T, Li L, Indjin D, Rakić AD, Linfield EH, Davies AG "Three-dimensional terahertz imaging using swept-frequency feedback interferometry with a quantum cascade laser" Optics Letters 40(5) 04 Feb 2015</i> • <i>Dean P, Keeley J, Valavanis A, Bertling K, Lim YL, Taimre T, Alhathloul R, Li L, Indjin D, Rakić AD, Linfield EH, Davies AG "Active phase-nulling of the self-mixing phase in a terahertz frequency quantum cascade laser" Optics Letters 40(5) 02 Feb 2015</i> • <i>Dean P; Valavanis A; Keeley J; Bertling K; Lim YL; Alhathloul R; Burnett AD; Li LH; Khanna SP; Indjin D; Taimre T; Rakić AD; Linfield EH; Davies AG, Terahertz imaging using quantum cascade lasers—a review of systems and applications. Journal of Physics D: Applied Physics, vol. 47 (37), pp.374008. 2014.</i> • <i>P. Dean, A. Awang, I. Kundu, R. Alhathloul, S. Khanna, L. Li, A. Burnett, E. Linfield, and A. Davies, Detection of terahertz frequency radiation via the photothermoelastic response of zincblende crystals. Journal of the Optical Society of America B, 30(12): pp. 3151-3160. 2013.</i> • <i>Dean P, Valavanis A, Keeley J, Bertling K, Leng Lim Y, Alhathloul R, Chowdhury S, Taimre T, Li LH, Indjin D, Wilson SJ, Rakić AD, Linfield EH, Davies AG, Coherent three-dimensional terahertz imaging through self-mixing in a quantum cascade laser. Applied Physics Letters, 103(18): pp.181112-1-181112-4. 2013.</i> • <i>Valavanis A, Dean P, Lim YL, Alhathloul R, Nikolic M, Kliese R, Khanna SP, Indjin D, Wilson SJ, Rakić AD, Linfield EH, Davies G, Self-Mixing Interferometry With Terahertz Quantum Cascade Lasers. IEEE Sensors Journal, 13(1):p. 37-43. 2013.</i>
<p>Activities in specialist bodies over the last 5 years</p>	<ul style="list-style-type: none"> • <i>Memeber of Deanship of Scientific Research Council, Al-Imam Mohammad Ibn Saud University (March 2016 - Present)</i> • <i>Memeber of College of Science Council, Al-Imam Mohammad Ibn Saud University (November 2014 – Present)</i> • <i>Memeber of Department of Physics Council, College of Science, Al-Imam Mohammad Ibn Saud University (November 2014 - Present)</i> • <i>Memeber of Standing Committee of the scholarship and training, Al-Imam Mohammad Ibn Saud University (November 2016 - Present)</i> • <i>Memeber of Study Plans and Curricula committee, College of Science, Al-Imam Mohammad Ibn Saud University (November 2014 - Present)</i> • <i>Memeber of Promoting quality and excellence committee, Vice Rectorate for Planning, Quality and Development, Al-Imam Muhammad Ibn Saud Islamic University (March 2016)</i> • <i>Memeber of Scientific Committee of Forum of Social Partnership in Scientific Research “The Complementary Roles of Society Institutions to Achieve the Kingdome Vision 2030” (October 2016 - Present).</i> • <i>Memeber of Proposals and initiatives for university development environment Project, Vice Rectorate for Planning, Quality and Development, Al-Imam Muhammad Ibn Saud Islamic University (September 2014 - June 2015)</i>



Name	<i>Osamah Abdulrahman N Aldaghri</i>
Post	<i>Assistant professor of physics</i>
Academic career	<ul style="list-style-type: none"> • <i>PhD: 2014, University of Leeds, Leeds, UK.</i> • <i>MSc in Laser Physics: 2006, King Saud University, Riyadh, Saudi Arabia.</i> • <i>BSc in Physics: 2001, King Saudi University, Riyadh, Saudi Arabia.</i>
Employment	<ul style="list-style-type: none"> • <i>Assistant Professor in Physics Department, College of Science, IMISU. (2015- Now).</i> • <i>Lecturer in Physics Department, College of Science, IMISU. (2007-2015).</i> • <i>Researcher in Physics Department, Faculty of Sciences, King Saud University. (2002 - 2007).</i> • <i>Graduate Studies Vice dean for Scholarships & Training Affairs (2017- Now).</i> • <i>Vice dean of College of Science for Graduate Studies and Scientific Research (2016-2017).</i> • <i>Vice dean of College of Science for administrative and financial Affairs (2015- 2017).</i> • <i>The secretary of the College of Science Council (2015- Now).</i> • <i>Vice head of Physics Department, College of Science, IMISU. (2007-2009).</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Research Project entitled "nonclassical properties from the combination of photon-added and photon-subtracted operator in nonlinear coherent states.", funded by Al-Imam Mohammad Ibn Saud Univ., Riyadh, KSA, 2017.</i>
Industry collaborations over the last 5 years	<i>N/A</i>
Patents and proprietary rights	<i>N/A</i>
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>Ibnaouf, K.H., Taha, K.K., Idriss, H. and Aldaghri, O., Amplified Spontaneous Emission (ASE) Properties of a laser dye (LD-473) in solid state. Journal of the European Optical Society-Rapid Publications, 13(1), p20. 2017.</i> • <i>Berrada, K. and Aldaghri, O., Quantum measurements in spin-boson model under non-Markovian environment. Physica E: Low-dimensional Systems and Nanostructures, 91, pp.173-177, 2017.</i> • <i>Burt, D., Aldeek, W., Aldaghri, O. A., Ikonik, Z., Querin, O. M., & Kelsall, R. W. (2016, May). Design and optimisation of suspended strained germanium membranes for near-infrared lasing (Conference Presentation). In SPIE Photonics Europe (pp. 989100-989100). International Society for Optics and Photonics.</i> • <i>Idriss, H., Taha, K. K., Aldaghri, O., Alhathloul, R., AlSalhi, M. S., & Ibnaouf, K. H. "Amplified spontaneous emission from the exciplex state of a conjugated polymer "PFO" in oleic acid". Optics & Laser Technology, 83, 148-152, 2016.</i> • <i>O. Aldaghri, Z. Ikonik and R W Kelsall; "Optimum strain configurations for carrier injection in near infrared Ge lasers", J. Appl. Phys. 111(5), 053106, 2012.</i> • <i>O. Aldaghri, Z. Ikonik, R. W. Kelsall; "The effects of tensile-strain conditions on doping density requirements for Ge-based injection lasers", P1.32, 151-153, The 8th IEEE International Conference on Group IV Photonics, London, 2011 .</i>



<p>Activities in specialist bodies over the last 5 years</p>	<p>A Member of:</p> <ul style="list-style-type: none"> • <i>The UKSP (2009-2014).</i> • <i>Graduate Studies Deanship Council, IMISU. (2017- Now).</i> • <i>Research Centre Council, College of Science, IMISU. (2016-Now).</i> • <i>College of Science Council, IMISU. (2015-2017).</i> • <i>Academic Credential and Quality, College of Science, IMISU. (2007-2009, 2015-2017).</i> • <i>Academic Plans, College of Science, IMISU. (2015-2017).</i> • <i>Physics Department Council, College of Science, IMISU. (2017- now).</i> • <i>Scientific Committee, Physics Department, College of Science, IMISU. (2007-2009 and 2015- now).</i> • <i>Graduate Committee, Physics Department, College of Science, IMISU. (2017- now).</i> • <i>Employment Committee, Physics Department, College of Science, IMISU. (2007-2009 and 2015- now).</i> • <i>Academic Credential and Quality in Physics Dep, College of Science, IMISU. (2007-2009).</i> • <i>Institute of Physics (IOP) (2011– 2014).</i>
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Name	<i>Abdelaziz Sabik</i>
Post	<i>Assistant Professor</i>
Academic career	<ul style="list-style-type: none">• <i>Ph.D in Polymer physics, Liege University, 2002.</i>• <i>Master in Optoelectronics, Liege University.</i>• <i>Bachelor Degree in Physics, Casablanca University.</i>
Employment	<ul style="list-style-type: none">• <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2002-Up to now</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	
Activities in specialist bodies over the last 5 years	



Name	<i>Abdulaziz Ibraheem Aljameel</i>
Post	<i>Assistant Professor of Physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Physics of Nanomaterials, Universiti Sains Malaysia (USM), Malaysia. 2016.</i> • <i>Master in laser Physic, King Saud University, College of Science , Saudi Arabia. Riyadh, 2008</i> • <i>Bachelors of Physics, King Abdulaziz University College of Education, Saudi Arabia. Madina El Monawara. 1998.</i>
Employment	<ul style="list-style-type: none"> • <i>Physics teacher at the Ministry of Education -Hail, Saudi Arabia, 1999 – 2001.</i> • <i>Teaching Assistant at Teachers College- Hail, Saudi Arabia, 2001 – 2008.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, lecturer, 2008 – 2016.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 29/01/2017 Up to Now</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:22</i></p> <ul style="list-style-type: none"> • <i>Aljameel, A. I., Abu Hassan, H., Ng, S. S., (2012). Effect of In concentration on the optical lattice vibrations in quaternary $Al_xIn_yGa_{1-x-y}N$ alloys, <i>Advanced Materials Research</i> , 501, pp 281-285.</i> • <i>Aljameel, A. I., Abu Hassan, H., Ng, S. S., (2013). A Study of the Long-Wavelength Optical Lattice Vibrations in Quaternary $Al_xIn_yGa_{1-x-y}N$ Alloys, <i>International Journal of Electrochemical Science</i>, 8, pp. 6048-6054.</i> • <i>Aljameel, A.I., Abu Hassan, H., Ng, S.S. (2013) Polarized infrared reflectance studies for wurtzite $Al_{0.06}Ga_{0.94}N$ epilayer on sapphire grown by MBE, <i>International Review of Physics</i>,7, pp. 36-39.</i> • <i>Aljameel, A.I., Abu Hassan, H., Ng, S.S. (2014) Polarized infrared reflectance studies for wurtzite $In_{0.10}Ga_{0.90}N$ epilayer on sapphire grown by MBE. <i>International Journal of Electrochemical Science</i>, 9, pp. 2756-2761.</i> • <i>Aljameel, A.I., Abu Hassan. (2015) The effect Composition Dependence of Surface Phonon Polariton Mode in Wurtzite $In_xGa_{1-x}N$ ($0 \leq x \leq 1$) Ternary Alloy. <i>Digest Journal of Nanomaterials and Biostructures</i>, 10, pp.489-495.</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Nassar Ali M Alnassar</i>
Post	<i>Assistant Professor</i>
Academic career	<ul style="list-style-type: none"> • <i>PhD's degree in Radiation Physics, School of Physics, Universiti Sains Malaysia, Penang, Malaysia, 2017.</i> • <i>Master's degree of Science in Physics- Nuclear Physics, College of Science, King Saud University Riyadh, Saudi Arabia, 2006.</i> • <i>Bachelor degree of Science in the field of physics, College of Science, King Saud University Riyadh, Saudi Arabia, 1998.</i>
Employment	<ul style="list-style-type: none"> • <i>2018: Assistant Professor, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.</i> • <i>2007-2017: Lecturer, Physics Department, College of Science, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	<i>N/A</i>
Patents and proprietary rights	<i>N/A</i>
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>N. A. Alnassar, M. S. Jaafar, and N. A. Kabir, Determination of Concentrations of Natural Radionuclides in Soils and Water in Non - cultivated Sites in Seberang Perai, Malaysia, IOSR Journal of Applied Physics 9 (2), 27-35 (2017).</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Memeber of Department of Physics Council, College of Science, Al-Imam Mohammad Ibn Saud University (2017 - Present)</i>



Name	<i>Ahmed Taha Mohamed Hassan</i>
Post	<i>Assitant professor of solid state physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D. in Solid state, , Cairo University, 2008</i> • <i>Master in Solid, state Cairo University, 2002</i> • <i>Bachelor Degree in Special physics, Cairo University, 1985.</i>
Employment	<ul style="list-style-type: none"> • <i>University of Sana , Lecturer, 1990-1999</i> • <i>King Khaled, University, Assistant professor, 2005-2011.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assitant professor, 2011-</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Deanship of Scientific Research project No. 371216 -Imam University 2016.</i> • <i>On the improvement of the compressive strength of the cement by adding a low coast of nano material to the cement pastes with a differnt ratios, and also improve the curing time.</i> • <i>Funding: 72,000 SR</i>
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> •
Patents and proprietary rights	
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>A.T. Hassan, A.E. Al-Salami and S. Taha. Investigation of the electrical impedance and microstructure behavior of cement pastes containing K₂SO₄. World Applied Science journal, 26(3)-296-301,2013.</i> • <i>O.M.Lemine, I. Ghiloufi, M. Bououdina, L. Khezami, Mohamed Ould M hamed, A.T. Hassan. Nanocrystalline Ni doped α- Fe₂O₃ for adsorption of metals aqous solution. Journal of alloys and compounds 558(2014)592-595</i> • <i>A.T.Hassan , A.E.Al- salami, and S.Taha. The effect of Heat treatment on The Thermo- Mechanical Behaviour In Some Blended Cement Paste. Current Science International 3(3): 271-278, 2014</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Construction and Building material Research Journal (refree) 2013 .</i>



Name	<i>Mohammad Wasef Mohammad Marashdeh</i>				
Post	<i>Assistant professor of Medical Physics and Radiation science</i>				
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Medical Physics, University Sains Malaysia(USM), 2013</i> • <i>Master in Medical Physics, University Sains Malaysia(USM), 2006</i> • <i>Bachelor Degree in General Physics, Al-albayt University, 2003.</i> 				
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Lecturer, 2007-2010</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2013-</i> 				
Research and development projects over the last 5 years					
Industry collaborations over the last 5 years					
Patents and proprietary rights	<table border="1"> <thead> <tr> <th><i>Title</i></th> <th><i>Year</i></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	<i>Title</i>	<i>Year</i>		
<i>Title</i>	<i>Year</i>				
Important publications over the last 5 years	<p><i>Total number:3</i></p> <ul style="list-style-type: none"> • <i>MARASHDEH, M.W., BAUK, S., TAJUDDIN, AA. and HASHIM, R. (2012) Measurement of mass attenuation coefficients of Rhizophora spp. binderless particleboards in the 16.59-25.26 keV photon energy range and their density profile using x-ray computed tomography. Applied Radiation and Isotopes. Vol 70, 4, P. 656–662.</i> • <i>Aldroobi, K. S. A., Shukri, A., Munem, E. M. E. A., Bauk, S., Marashdeh, M. W., & Amin, Y. A. (2012). Determination of Cu, Zn and Pb in scalp hair from a selected population in Penang using the XRF method. Paper presented at the AIP Conference Proceedings.</i> • <i>Al-Omari, S., Algezewi, N., Al-Noaimi, M., Aqili, A., Al-Hamarneh, I.F., Marashdeh, M. W. (2014). Observation on Symmetry Properties of Sodium Zinc (II)-2, 9, 16, 23-phthalocyanine Tetracarboxylate in Water: NaOH Solution. Journal of fluorescence 24, 835-839.</i> • <i>Alawiah, A., Bauk, S., Marashdeh, M. W., Nazura, M., Abdul-Rashid, H., Yusoff, Z., Gieszczyk, W., Noramaliza, M., Adikan, F.M., Mahdiraji, G. (2015). The thermoluminescence glow curve and the deconvoluted glow peak characteristics of erbium doped silica fiber exposed to 70–130kVp x-rays. Applied Radiation and Isotopes 104, 197-202.</i> • <i>Alawiah, A., Bauk, S., Marashdeh, M. W., Ng, K., Abdul-Rashid, H., Yusoff, Z., Gieszczyk, W., Noramaliza, M., Mahdiraji, G., Tamchek, N., (2015). Thermoluminescence glow curves and deconvoluted glow peaks of Ge doped flat fibers at ultra-high doses of electron radiation. Radiation Physics and Chemistry 113, 53-58.</i> • <i>Alawiah, A., Alina, M., Bauk, S., Abdul-Rashid, H., Gieszczyk, W., Noramaliza, M., Mahdiraji, G., Tamchek, N., Zulkifli, M., Bradley, D., Marashdeh, M. W. (2015). The thermoluminescence characteristics and the glow curves of Thulium doped silica fiber</i> 				



	<p><i>exposed to 10MV photon and 21MeV electron radiation. Applied Radiation and Isotopes 98, 80-86.</i></p> <ul style="list-style-type: none"> • <i>Marashdeh, M.W., Al-Hamarneh, I.F., Munem, E.M.A., Tajuddin, A., Ariffin, A., Al-Omari, S., 2015. Determining the mass attenuation coefficient, effective atomic number, and electron density of raw wood and binderless particleboards of Rhizophora spp. by using Monte Carlo simulation. Results in Physics.5. 228-234.</i> • <i>Marashdeh, M. W., A. A. Tajuddin, S. Bauk, and R. Hashim. Dosimetric evaluation of Rhizophora spp. binderless particleboard phantom for diagnostic X-ray energy. Radiation Physics and Chemistry 136 (2017): 23-29.</i>
Activities in specialist bodies over the last 5 years	



Name	<i>sharif nemer ali abualrub</i>
Post	<i>Assisntant professor of experimental physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Solid state/thermal properties for materials, Jordan University, 2012</i> • <i>Master in Theoretical physics , Jordan University , 1996</i> • <i>Bachelor Degree in Physics, Jordan University, 1991.</i>
Employment	<ul style="list-style-type: none"> • <i>Teacher of physics in Jordan 1991-1996, 2006-2012</i> • <i>Teacher of physics in KSA in Al-Rowad school 1996-2006.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assisntant professor, 2013-</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	
Activities in specialist bodies over the last 5 years	



Name	<i>Jaber Mohamed ELGHOUL</i>
Post	<i>Assistante professor in physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in NanoPhysics, Sfax university, Tunisia, 2012.</i> • <i>Master in Quantum physics, Tunis ELMANAR university, Tunisia, 2007</i> • <i>Bachelor Degree in fundamental physics, Monastir university, Tunisia, 2005.</i>
Employment	<ul style="list-style-type: none"> • <i>University of Gabes, Lecturer, 2007-2012</i> • <i>University of Gabes, Assistante professor, 2012-2014</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistante professor, 2014- up to now</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Synthesis and development of osmosis thin film membranes reached by ZnO nanoparticles for water desalination (361215), 18 months, Al Imam Mohammad Ibn Saud Islamic University. Funding: 186,000 SR.</i>
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:35</i></p> <ul style="list-style-type: none"> • <i>J. El Ghoul, L. El Mir. Structural and optical properties of Tb³⁺ doped Y₂O₃ nanoparticles. J Mater Sci: Mater Electron, 28(2017) 9066-9071.</i> • <i>J. El Ghoul, I. Ghiloufi, A.S. AL-Hobaib, L. El Mir, EFFICIENCY OF POLYAMIDE THIN-FILM NANOCOMPOSITE MEMBRANE CONTAINING ZnO NANOPARTICLES, JOURNAL OF OVONIC RESEARCH 13 (2017) 83-90.</i> • <i>J. El Ghoul, Synthesis of vanadium doped ZnO nanoparticles by sol-gel method and its characterization, J Mater Sci: Mater Electron, 27 (2016) 2159-2165.</i> • <i>R. Slama, J. El Ghoul, I. Ghiloufi, K. Omri, L. El Mir, A. Houas, Synthesis and physico-chemical studies of vanadium doped zinc oxide nanoparticles and its photocatalysis, J Mater Sci: Mater Electron, 27 (2016)8146 -8153.</i> • <i>R. Slama, J. El Ghoul, K. Omri, A. Houas, L. El Mir, F. Launay, Synthesis and physico-chemical studies of vanadium doped zinc oxide nanoparticles and its photocatalysis, J Mater Sci: Mater Electron, 27 (2016) 7939-7946.</i> • <i>A.S. AL-Hobaib, J. El Ghoul, L. El Mir, Fabrication of polyamide membrane reached by MgTiO₃ nanoparticles for ground water purification, Desalination and Water Treatment, 57 (2016) 8639-8648.</i> • <i>J. El Ghoul, Synthesis, structural and optical properties of nanoparticles (Al, V) co-doped zinc oxide, Bull. Mater. Sci., 39 (2016) 7-12.</i> • <i>J. El Ghoul, I. Ghiloufi, L. El Mir, Effect of annealing temperature on the luminescence properties of Zn₂SiO₄:V nanocomposite, Journal of luminescence, 170 (2016) 288-292.</i> • <i>A.S. AL-Hobaib, J. El Ghoul, I. Ghiloufi, L. El Mir, Synthesis and characterization of polyamide thin-film nanocomposite membrane reached by aluminum doped ZnO nanoparticles, Materials Science in Semiconductor Processing 42 (2016) 111-114.</i>



- *I. Ghiloufi, J. El Ghoul, A. Modwi, L. El Mir, Ga-doped ZnO for adsorption of heavy metals from aqueous solution, Materials Science in Semiconductor Processing, 42, (2016) 102-106.*
- *Intissar Grissa, Sabrine Guezgeuz Lobna Ezzi, Sana Chakroun, Amira Sallem, Emna Kerkeni, Jaber Elghoul, Lassaad El Mir, Meriem Mehdi, Hassen Ben Cheikh, Zohra Haouas, The effect of titanium dioxide nanoparticles on neuroinflammation response in rat brain, Environ Sci Pollut Res, Environ Sci Pollut Res 23 (2016)20205–20213.*
- *Intissar Grissa, Jaber Elghoul, Lobna Ezzi, Sana Chakroun, Emna Kerkeni, Mohsen Hassine, Lassaad El Mir, Meriem Mehdi, Hassen Ben Cheikh, Zohra Haouas, Anemia and genotoxicity induced by sub-chronic intragastric treatment of rats with titanium dioxide nanoparticles, Mutation Research /Genetic Toxicology and Environmental Mutagenesis, 794 (2015) Pages 25-31.*
- *J. El Ghoul, L. El Mir, Photoconversion from yellow-to-green in vanadium doped zinc silicate nanophosphor material. Superlattices and Microstructures 82 (2015) 551–558.*
- *J. El Ghoul, M. Kraini, O.M. Lemine, L El Mir, Sol-gel synthesis, structural, optical and magnetic properties of Co-doped ZnO nanoparticles. J Mater Sci: Mater Electron. 26 (2015) 2614–2621.*
- *J. El Ghoul, L. El Mir, Synthesis by sol–gel process, structural and luminescence of V and Mn doped α -Zn₂SiO₄. J Mater Sci: Mater Electron, 26 (2015) 3550–3557.*
- *M. Kraini, N. Bouguila, J. El Ghoul, I. Halidou, S. A. Gomez-Lopera, C. Vazquez-Vazquez, M. A. Lopez-Quintela, S. Alaya. Influence of annealing temperature on the properties of In₂S₃:Sn films deposited by spray pyrolysis. J Mater Sci: Mater Electron 26 (2015) 5774–5782.*
- *A.S. AL-Hobaib, Jaber El Ghoul and Lassaad El Mir, Synthesis and characterization of polyamide thin-film nanocomposite membrane containing ZnO nanoparticles. Membrane Water Treatment 6 (2015) 309-321.*
- *K. Omri, O. M. Lemine, J. EL Ghoul, L. El Mir, Sol–gel synthesis and room temperature ferromagnetism in Mn doped ZnO nanocrystals. J Mater Sci: Mater Electron 26 (2015) 5930–5936.*
- *L. El Mir, K. Omri, J. EL Ghoul, Effect of crystallographic phase on green and yellow emissions in Mn-doped zinc silicate nanoparticles incorporated in silica host matrix. Superlattices and Microstructures 85 (2015) 180–184.*
- *J. El Ghoul, M. Kraini, L. El Mir, Synthesis of Co-doped ZnO nanoparticles by sol–gel method and its characterization. J Mater Sci: Mater Electron. 26 (2015) 2555–2562.*
- *Naima Rihane Ben Younes, Salem Amara, Imen Mrad, Imen Ben-Slama, Mustapha Jeljeli, Karim Omri, Jaber El Ghoul, Lassaad El Mir, Khemais Ben Rhouma, Hafedh Abdelmelek, Mohsen Sakly. Environ Sci Pollut Res. Published online 10 January 2015.*
- *K. Omri, I. Najeh R. Dhahri, J. El Ghoul, L. El Mir. Effects of temperature on the optical and electrical properties of ZnO nanoparticles synthesized by sol–gel method. Microelectronic Engineering, 128, 5 (2014) 53-58.*
- *J. El Ghoul, K. Omri, S.A. Gómez-Lopera, L. El Mir. Sol–gel synthesis, structural and luminescence properties of MT-doped SiO₂/Zn₂SiO₄ nanocomposites. Optical Materials, 36, 6 (2014) 1034-1039*
- *J. El Ghoul, L. El Mir. Sol-gel synthesis and luminescence of undoped and Mn-doped zinc orthosilicate phosphor nanocomposites. Journal of Luminescence, 148 (2014) 82-88.*



	<ul style="list-style-type: none"> • <i>L. El Mir, K. Omri, J. El Ghoul, A.S. AL-Hobaib, H. Dahman, C. Barthou. Yellow emission of SiO₂/Zn₂SiO₄:Mn nanocomposite synthesized by sol-gel methods. Superlattices and Microstructures, 65, (2014) 248-255. 2</i> • <i>J. El Ghoul, N. Bouguila, S.A. Gómez-Lopera, L. El Mir. Structural and optical properties of nanoparticles (V, Al) co-doped ZnO synthesized by sol-gel processes. Superlattices and Microstructures, 64, (2013), 451-459.</i> • <i>K. Omri, J. El Ghoul, A. Alyamani, C. Barthou, L. El Mir. Luminescence properties of green emission of SiO₂/Zn₂SiO₄:Mn nanocomposite prepared by sol-gel method. Physica E: Low-dimensional Systems and Nanostructures, 53, (2013), 48-54.</i> • <i>K. Omri, J. El Ghoul, O.M. Lemine, M. Bououdina, B. Zhang, L. El Mir. Magnetic and optical properties of manganese doped ZnO nanoparticles synthesized by sol-gel technique. Superlattices and Microstructures, 60, (2013) 139-147.</i> • <i>J. El Ghoul, K. Omri, A. Alyamani, C. Barthou, L. El Mir. Synthesis and luminescence of SiO₂/Zn₂SiO₄ and SiO₂/Zn₂SiO₄:Mn composite with sol-gel methods. Journal of Luminescence, 138, (2013) 218-222.</i> • <i>Salem Amara, Imen Ben Slama, Karim Omri, Jaber EL Ghoul, Lassaad EL Mir, Khemais Ben Rhouma, Hafedh Abdelmelek and Mohsen Sakly. Effects of nanoparticle zinc oxide on emotional behavior and trace elements homeostasis in rat brain. Toxicology and Industrial Health, 12 (2013).</i> • <i>Imen BEN SLAMA, Salem AMARA, Naima RIHANE BEN YOUNES, Imen MRAD, Karim OMRI, Jaber EL GHOUL, Lassaad EL MIR, Khemais BEN RHOUMA, Hafedh ABDELMELEK and Mohsen SAKLY. Effects of ZnO nanoparticles and ZnCl₂ solution on rat liver and kidney. Nanotech USA 2013.</i> • <i>Naima RIHANE BEN YOUNES, Salem AMARA, Imen BEN SLAMA, Imen MRAD, Karim OMRI, Jaber EL GHOUL, Lassaad EL MIR, Mustapha JELJELI, Khemais BEN RHOUMA, Hafedh ABDELMELEK and Mohsen SAKLY. Effects of Titanium Dioxide Nanoparticles (TiO₂) on Behavioral Parameters of Rats. Nanotech USA 2013.</i> • <i>J. El Ghoul, K. Omri, L. El Mir, C. Barthou and S. Alaya. Sol-gel synthesis and luminescent properties of SiO₂/Zn₂SiO₄ and SiO₂/Zn₂SiO₄:V composite materials. Journal of Luminescence, 132, (2012) 2288-2292.</i> • <i>J. El Ghoul, C. Barthou, L. El Mir. Synthesis, structural and optical properties of nanocrystalline vanadium doped zinc oxide aerogel. Physica E: Low-dimensional Systems and Nanostructures, 44, 9 (2012) 1910-1915</i> • <i>J. El Ghoul, C. Barthou, L. El Mir. Synthesis by sol-gel process, structural and optical properties of nanoparticles of zinc oxide doped vanadium. Superlattices and Microstructures, 51, 6 (2012) 942-951.</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Vice president of the association of young researchers, Gabes University-Tunisia</i> • <i>Member of the Scientific Committee, Physics Department, Al Imam Mohammad Ibn Saud Islamic University.</i>



Name	<i>Mohammed Khalil Mohammed Ali</i>
Post	<i>Assistant professor of physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Physics of Nanomaterials, Universiti Sains Malaysia (USM), Malaysia. 2014.</i> • <i>Master in Solid State Physic, Sudan University of Science & Technology (SUST), Khartoum, Sudan. 29/9/2005</i> • <i>Bachelors of Sciences in Physics (Honor), Sudan University of Science & Technology (SUST), Khartoum, Sudan. 12/9/2002.</i>
Employment	<ul style="list-style-type: none"> • <i>Sudan University of Science & Technology (SUST)/ Khartoum, Sudan, Lecturer at Physics Department 2003 – 2008.</i> • <i>National Canter for Research – Material and Electronics Research Institute – Khartoum- Sudan-P.O Box 2404 –Researcher 21/01/2003 -1/02/2016.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 1/02/2016 Up to Now</i>
Research and development projects over the last 5 years	<p><i>Development of solar cell efficiency by cost effective methods Universiti Sains Malaysia (USM), Malaysi.</i></p> <p><i>Funded by(USM), Malaysia. 2010-2014.</i></p>
Industry collaborations over the last 5 years	<p><i>Fabrication of Flexible silicon solar cell on polymer substrate</i></p> <p><i>Funded by Malaysian government. 2013.</i></p>
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:22</i></p> <ul style="list-style-type: none"> • <u>M. K. M. Ali</u>, A. O. Elzupirc, M. A. Ibrahem, H. Idriss, A. S. Alaamer, M. A. Alrajhi and K. H. Ibnaouf, <i>Characterization of optical and morphological properties of chalcone thin films for optoelectronics applications Optik - International Journal for Light and Electron Optics. Volume 145, September 2017, Pages 529-533</i> • K. H. Ibnaouf, <u>M. K. M. Ali</u>, A. O. Elzupirc, M. A. Ibrahem, H. Idriss, A. S. Alaamer, M. A. Alrajhi and M.S. Alsalhi. <i>Spectral and ASE Properties of an Amino Chalcone 1-(4- CHLOROPHENYL)-3-(4- N, N DIMETHYLAMINO PHENYL)-2-PROPEN-1- One. Digest Journal of Nanomaterials and Biostructures. Vol. 12, No. 2, 2017, p. 423 – 430.</i> • Abd-Alghafour, N. M, Ahmed, NM,Hassan, Z. Mohammad, Sabah M. <u>Ali, M. K. M.</u> <i>Characterization of V2O5 nanorods grown by spray pyrolysis technique. journal of materials science-materials in electronics. May 2016 Volume: 27 Issue: 5 Pages: 4613-4621.</i> • Abd-Alghafour, N. M, Ahmed, NM,Hassan, Z. Mohammad, Sabah M. <u>Ali, M. K. M.</u> <i>Structural, Morphological and Optical Properties of V2O5 Nanorods Grown Using Spray Pyrolysis Technique at Different Substrate Temperature. Nanoscience and NanotechnologyL. February 2016. Volume: 8 Issue: 2 Pages: 181-186.</i>



Activities in specialist bodies over the last 5 years

- O. F. Farhat, M. M. Halim, M. J. Abdullah, M. K. M. Ali and Naser M. Ahmed Fabrication and characterization of ZnO nanowires by wet oxidation of Zn thin film deposited on Teflon substrate, *Superlattices and Microstructures* October 2015 Volume 86, p. 236-242.
- M. kawi, E. M., K. Ibrahim, M. K. M. Ali, M. A. Farrukh, and A. S. Mohamed. "The effect of dopant concentration on properties of transparent conducting Al-doped ZnO thin films for efficient Cu₂ZnSnS₄ thin-film solar cells prepared by electrodeposition method." *Applied Nanoscience* (2015): 1-9.
- M. kawi, E. M., K. Ibrahim, M. K. M. Ali, M. A. Farrukh, and A. S. Mohamed. "Electrodeposited ZnS Precursor Layer with Improved Electro-optical Properties for Efficient Cu₂ZnSnS₄ Thin-Film Solar Cells." *Journal of Electronic Materials*: (2015)1-8.
- Omar F. Farhat, Mohd M. Halim, Mat J. Abdullah, Mohammed K. M. Ali and Nageh K. Allam. Morphological and structural characterization of single-crystal ZnO nanorod arrays on flexible and non-flexible substrates. *Beilstein J. Nanotechnol.* 2015, 6, 720-725.
- O. F. Farhat, M. M. Halim, M. J. Abdullah, M. K. M. Ali, Naser M. Ahmed and Nageh K. Allam. Growth of vertically aligned ZnO nanorods on Teflon as a novel substrate for low-power flexible light sensors. *Appl. Phys. A* (2015) 119:1197–1201 DOI 10.1007/s00339-015-9177-1.
- E.M. Mkawi, K. Ibrahim, M. K. M. Ali, K.A.M. Saron, M.A. Farrukh, Nageh K. Allam, A.S. Mohamed. Influence of substrate temperature on the properties of electrodeposited kesterite Cu₂ZnSnS₄ (CZTS) thin films for photovoltaic applications. *Journal of Materials Science: Materials in Electronics*. 26 (2015). 222-228.
- E.M. Mkawi, K. Ibrahim, M. K. M. Ali, K.A.M. Saron, M.A. Farrukh, Nageh K. Allam, A.S. Mohamed. Aqueous synthesis of visible-light photoactive cuboid Cu₂ZnSnS₄ nanocrystals using rotary evaporation *Materials Letters* 125 (2014) 195–197.
- E.M. Mkawi, K. Ibrahim, M. K. M. Ali, M. A. Farrukh and A. S. Mohamed. Dependence of the properties of copper zinc tin sulfide thin films prepared by electrochemical deposition on sulfurization temperature" (2014) *J. Mater. Sci: Mater. Electron* Vol: 25(2) pp: 857-863.
- E.M. Mkawi, K. Ibrahim, M. K. M. Ali, K.A.M. Saron, M.A. Farrukh, Nageh K. Allam, A.S. Mohamed. Effect of complexing agents on the electrodeposition of Cu-Zn-Sn metal precursors and corresponding Cu₂ZnSnS₄-based solar cells *Journal of Electroanalytical Chemistry*. volume 735, 1 December 2014, Pages 129–135.
- E.M. Mkawi, K. Ibrahim, M. K. M. Ali, M. A. Farrukh and Nageh K. Allam Influence of precursor thin films stacking order on the properties of Cu₂ZnSnS₄ thin films fabricated by electrochemical deposition method. *Superlattices and Microstructures* 76 (2014), p. 339–348.
- E.M. Mkawi, K. Ibrahim, M. K. M. Ali M. A. Farrukh and Nageh K. Allam, Solvent Solution Dependent Properties of Nonstoichiometric Cubic Cu₂ZnSnS₄ Nanoparticles- Accepted in *journal of Chemical Physics Letters*, volume 608, 21 July 2014, p. 393–397.
- E.M. Mkawi, K. Ibrahim, M. K. M. Ali and M. A. Farrukh, Influence of triangle wave pulse on the properties of Cu₂ZnSnS₄ thin films prepared by single step electrodeposition- *Journal of Solar Energy Materials and Solar Cells*, volume 130, November 2014, Pages 91–98.
- E.M. Mkawi, K. Ibrahim, M.K.M. Ali, M.A. Farrukh, A. Salhin Mohamed, "Synthesized and Characterization of Cu₂ZnSnS₄ (CZTS) Thin Films Deposited by Electrodeposition Method", *Applied Mechanics and Materials*, Jul. 2013 Vol. 343, pp. 85-89,
- M. K. M. Ali, K. Ibrahim and E.M. Mkawi Silver - aluminum alloy thin film on plastic substrate by screen printing for solar cell back contact application. *Journal of*



Materials Science in Semiconductor Processing, June 2013. 16 (3). p. 593–597.

- *M. K. M. Ali, K. Ibrahim, E.M. Mkawi and A.Salhin Characterization of phosphoric acid doped n-type silicon thin films printed on ITO coated PET substrate. International Journal of Electrochemical Science, 2013,8, p. 535 – 547.*
- *E.M. Mkawi , K. Ibrahim, M. K. M. Ali and A.Salhin, Dependence of copper concentration on the Properties of Cu₂ZnSnS₄ thin films prepared by electrochemical method . Int. J. Electrochem. Sci., 8 (2013), p. 359 -368.*
- *M.A. Qaeed, K. Ibrahim, Ruchi Srivastava, M. K. M. Ali and A. Salhin Structural and optical characterization of InGaN nanoparticles synthesized at low temperature, Materials Letters, 2013.99. p. 128–130.*
- *E.M. Mkawi, K. Ibrahim, M. K. M. Ali, M. A. Farrukh and Abdussalam Salhin Mohamed - Synthesized and characterization of Cu₂ZnSnS₄(CZTS) thin films deposited by electrodeposition method, the 2013 2nd International Conference on Sustainable Construction Materials and Computer Engineering (ICSCMCE 2013) June 1-2, 2013, Singapore.*



Name	<i>Mohannad Mahmoud Ali Al-Hmoud</i>				
Post	<i>Assistant professor of experimental physics</i>				
Academic career	<ul style="list-style-type: none"> • <i>PhD in Physics, University of Paderborn, Germany, 2013</i> • <i>Master in Physics, University of Stuttgart, 2007</i> • <i>Bachelor Degree in Applied Physics, Jordan University of science and Technology, 2003.</i> 				
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2016-</i> 				
Research and development projects over the last 5 years					
Industry collaborations over the last 5 years					
Patents and proprietary rights	<table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><i>Title</i></th> <th style="text-align: right;"><i>Year</i></th> </tr> </thead> <tbody> <tr> <td colspan="2" style="height: 20px;"> </td> </tr> </tbody> </table>	<i>Title</i>	<i>Year</i>		
<i>Title</i>	<i>Year</i>				
Important publications over the last 5 years	<p><i>Total number:3</i></p> <ul style="list-style-type: none"> • <i>W. Quiring, M. Al-Hmoud, A. Zrenner, et al., Photonic crystal cavities with metallic Schottky contacts, Appl. Phys. Lett. 107, 041113 (2015)</i> 				
Activities in specialist bodies over the last 5 years					



Name	<i>Rageh Attia Khalifa Hussein</i>
Post	<i>Lecturer</i>
Academic career	<ul style="list-style-type: none"> • <i>PHD degree in theoretical Solid State physics, physics department, faculty of science, Zagazig University, 2016.</i> • <i>M.Sc. Degree in theoretical nuclear physics, physics department, faculty of science Women College, Ain Shams University, 2009.</i> • <i>Graduate school of theoretical nuclear physics, physics department, faculty of science, Ain Shams University, 2005.</i> • <i>B.Sc. Degree in physics, physics department, faculty of science, Ain Shams University, 2001</i>
Employment	<ul style="list-style-type: none"> • <i>Lecturer – Faculty of computer science and information systems, 6 October University, [6 October, Egypt, Lecturer, 2006-2009.</i> • <i>Lecturer –Benha Technology institute, Benha University] [Benha, Egypt], 2006-2008.</i> • <i>Lecturer– Industrial Education College, Helwan University] [Cairo, Egypt], 2003-2007.</i> • <i>Lecturer– Instructor in Faculty of Engineering, Zagazig University] [Cairo, Egypt], 2003-2004.</i> • <i>Lecturer-- Al Imam Mohammad Ibn Saud Islamic University, Science College Department of Physics, 2009-2017.</i>
Research and development projects over the last 5 years	•
Industry collaborations over the last 5 years	•
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:3</i></p> <ul style="list-style-type: none"> • <i>Theoretical investigations for electronic structures and photo dissociation of bromine molecule, International Journal of the Physical Sciences Vol. 5 (7), pp. 978-983, July 2010.</i> • <i>First Principles' Investigation of Electronic Properties of Hf, Ag, Cd, Zn, Ce, Nd, Sm-Modified Lead Zirconate Titanate, Journal of Computational and Theoretical Nanoscience Vol. 13, 7661–7665, 2016.</i> • <i>Theoretical Investigation of Susceptibility to Fatigue for Modified Lead Zirconate Titanate, Quantum Matter Vol. 5, 1–4, 2016.</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Moez Abdoelfath Ibeahem Mohammed</i>
Post	<i>Lecturer of laser physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D. laser physics, Physics Department, College of Science, sudan university of science and technology, Sudan (2017).</i> • <i>M.Sc. Physics, Physics Department, College of Science, sudan university of science and technology, Sudan (2011).</i> • <i>B. Sc. Physics, Physics Department, College of Science, sudan university of science and technology, Sudan (2008).</i>
Employment	<ul style="list-style-type: none"> • <i>Teaching assistant of Physics University Omdurman Islamic University (Khartoum-Sudan) from July. 2009 to 2011.</i> • <i>Lecturer of Physics Al-Imam Mohammad Ibn Saud Islamic , (Riyadh- Kingdom of Saudi Arabia), from March 2013 to Now</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Synthesis of some Chalcones and related heterocyclic compounds for Designing Solid State Laser (NPST)</i>
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:3</i></p> <ul style="list-style-type: none"> • <i>Characterization of optical and morphological properties of chalcone thin films for optoelectronics applications, Optik-International Journal for Light and Electron Optics 145, 529-533-2017.</i> • <i>Spectral and ASE properties of an amino chalcone 1-(4-chlorophenyl)-3-(4- n, n dimethylamino phenyl)-2-propen-1-one, Digest Journal of Nanomaterials and Biostructures. 12 (2), 423-430 2017</i> • <i>Defect-induced room temperature ferromagnetism in mechanically milled nanocrystalline In 2 O 3 powder, Materials Letters 181, 152-155-2016.</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Maha Munzer Torjman</i>
Post	<i>Associate professor of Nuclear physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Nuclear physics, Technische Universtat Dresden, 1990</i> • <i>Diploma of Physics, Technische Universtat Dresden, 1987</i> • <i>Bachelor Degree in physics, Albaath University, 1982</i>
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Associate professor, 2011 till now</i> • <i>Al Baath University, Associate professor, 2007-2011.</i> • <i>King Saud University, Vice head of Physics Dept, 2004,2007.</i> • <i>King Saud University, Associate professor, 1999 -2004.</i> • <i>Al Baath University, Associate professor, 1997-1999.</i> • <i>Al Baath University, Assistant professor, 1990-1997</i> • <i>Ministry of Education, Teacher, 1982-1984,</i>
Research and development projects over the last 5 years	.
Industry collaborations over the last 5 years	.
Patents and proprietary rights	
Important publications over the last 5 years	
Activities in specialist bodies over the last 5 years	



Name	<i>Wafa Mohamed Mohamed</i>
Post	<i>Associate professor of experimental physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Physics, Cairo University, 2011</i> • <i>Master in Experimental physics, Cairo University, 2006</i> • <i>Bachelor Degree in science, Cairo University, 2002.</i>
Employment	<ul style="list-style-type: none"> • <i>Cairo Housing Research Center, Assistant Researcher, 2006- 2011</i> • <i>Cairo Housing Research Center, Researcher, 2011- 2016</i> • <i>Cairo Housing Research Center., Associate professor, 2016</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Associate professor, 2017-</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:3</i></p> <ul style="list-style-type: none"> • <i>M.Shenashen, S. Kawada, M. Selim, W. M. Morsi and Sh. El-Safy, "Bushy Sphere Dendrite with Husk-shaped Branches Axially Spreading out from Its Core for Photocatalytic Oxidation/ Remediation of Toxins", Nanoscale of Royal Society J. May 2017.</i> • <i>S. Elawam, W.M. Morsi, H. Abu-Shady, O. Guirguis, "Structural Configuration and Thermal Analyses of Composite Films of Poly (methyl methacrylate)/Lead Oxide Nanoparticles", SSRG-IJAP, Dec. 2015.</i> • <i>W. M. Morsi, A. Serag, M. A. Kamel and M. A. A. El-Aziz, "Nanotechnology Applications of Cement Composites & Construction", 1st International Conference on Innovative Building Materials Dec. 28-30, 2014</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Supervisor of master thesis entitled "Towards increasing the efficiency level of fuel cells by nanomaterials as renewable energy source" Science Faculty, Cairo University, January 2016.</i> • <i>Participant in 1st International Conference on Applied Chemistry (ICAC 2015), Jeddah, KSA, 18th- 19th November 2015</i> • <i>Technical Manager of nano lab, Faculty of Engineering, El-Fayoum University, 2013.</i> • <i>Supervisor of master thesis in Physics "Polymer nano composite used in radiation shielding", Science Faculty, Cairo University, 2013.</i>



Name	<i>Zakia Fekkai</i>
Post	<i>Assistant professor of experimental physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in polymer physics, 1992</i> • <i>MPhil in polymer physics.</i> • <i>BEng in polymer Engineering.</i>
Employment	<ul style="list-style-type: none"> • <i>University of Imam Mohamed Ibn Saud 2003-now</i> • <i>University of Nottingham , 2002-2003</i> • <i>University of Loughborough, Research Associate 2000-2002-</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Optical, electrical and structural properties of transparent thin films for smart coatings. (361216), 2016-2017, Deanship of Scientific Research, Al-Imam University. Funding: 78,600 SR.</i> • <i>Effects of thermal treatment and irradiation on transparent thin films prepared by pulsed laser deposition (351225), 2015-2017, Deanship of Scientific Research, Al-Imam University. Funding: 126,400 SR.</i> • <i>Optimization of physical interfaces between substrated and deposited thin films in microelectronic device fabrication. (2013-2015. Deanship of Scientific Research, Al Imam University. Funding: 57,600 SR.</i> • <i>Characterization of pure and doped conjugated polymer thin films for opto-electronic devices. (341201) 2014-2015. Deanship of Scientific Research, Al Imam University. Funding: 103,740 SR</i> • <i>Simulation of high-efficiency light emitting diode. (2012-2013). Deanship of Scientific Research, Al Imam University. Funding: 76,800 SR</i>
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> •
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:7</i></p> <ul style="list-style-type: none"> • <i>Nazir Mustapha, Zakia Fekkai, Ahmed Alkaoud. Enhanced efficiency of organic solar cells based on (MEH-PPV) with graphene and quantum dots. Optik 127 (2016) 2755–2760.</i> • <i>A. Alyamani, K.H. Ibnaouf, O.A. Yassin, M.S. AlSalhi, Z. Fekkai, N. Mustapha. Spectral, electrical and morphological properties of spin coated MEH-PPV and cresyl violet blended thin films for a light emitting diode. Optik 127 (2016) 2331–2335.</i> • <i>Zakia Fekkai, Nazir Mustapha and Ali Hennache. Optical, morphological and electrical properties of silver and aluminum metallization contacts for solar cells. American Journal of Modern Physics, Vol 3, No 2, 2014.p.45-50.</i> • <i>A. Hennache, N. Mustapha, and Z. Fekkai. Polymeric solar cells efficiency increase using doped conjugated polymer nanoparticles. British Journal of Applied Science & Technology (BJAST) 4(4): 604-616, 2014</i> • <i>N. Mustapha, A. Hennache, and Z. Fekkai. Conducting Oxide thin films as anode for solar cell device. Accepted for publication in British Journal of Applied Science & Technology (BJAST) 2014.</i>



	<ul style="list-style-type: none"> • <i>Zakia Fekkai, " Effects of Thermal Processing on Transparent Conducting Oxides TCO used in Optoelectronic Devices" Journal Of Materials Science and Engineering 3 (3) 2013.</i> • <i>N. Mustapha, K. H. Ibnaouf, Z. Fekkai, A. Hennache, S. Prasad, A. Alyamani.</i> • <i>Improved efficiency of solar cells based on BEHP-co- MEH-PPV doped with ZnO nanoparticles. Optik-International Journal for Light and Electron Optics. Volume 124, Issue 22, November 2013, Pages 5524-5527.</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Ghada Ahmed M.A. Khouqeer</i>				
Post	<i>Assistant professor of physics</i>				
Academic career	<ul style="list-style-type: none"> • <i>PhD in NMR and Biophysics , University of Waterloo, Canada, 2016</i> • <i>MSc in Nuclear Physics, King Saud University, 2002</i> • <i>BSc in Physics, King Abdulaziz University, Saudi Arabia, 1996.</i> 				
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia , 2003-2016</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2016- present</i> 				
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Vitro NMR Study of Magnetization Exchange at Low Field and Proteoglycan-Depletion at High Field in Articular Cartilage by Ghada Ahmed Khouqeer A thesis presented to the University of Waterloo, PhD thesis, Jun 2016.</i> • <i>In Vitro NMR Study of Proteoglycan Depletion in Articular Cartilage, by Ghada Khouqeer, Al Imam Mohammad Ibn Saud Islamic University (IMSIU), Saudi Arabia, ISMAR 2017.</i> • <i>Communication of Articular Cartilage Macromolecule Degradation Information to Water in Magnetic Resonance Experiments, by Ghada Khouqeer (University of Waterloo- Department of Physics and Astronomy), CAP 2013.</i> 				
Industry collaborations over the last 5 years	<i>Non.</i>				
Patents and proprietary rights	<table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left; border: none;"><i>Title</i></th> <th style="text-align: right; border: none;"><i>Year</i></th> </tr> </thead> <tbody> <tr> <td colspan="2" style="border: none;"> </td> </tr> </tbody> </table>	<i>Title</i>	<i>Year</i>		
<i>Title</i>	<i>Year</i>				
Important publications over the last 5 years	<p><i>Total number: 1</i></p> <ul style="list-style-type: none"> • <i>Vitro NMR Study of Magnetization Exchange at Low Field and Proteoglycan-Depletion at High Field in Articular Cartilage by Ghada Ahmed Khouqeer A thesis presented to the University of Waterloo, PhD thesis, Jun 2016.</i> 				
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>The International Society of Magnetic Resonance (ISMAR), 2017.</i> • <i>Saudi Medical Physics Society (SMPS), 2017</i> • <i>Canadian Association Physicists, Member, 2012-2016.</i> 				



Name	<i>Naglaa Fathy Mohamed AbdelAll</i>
Post	<i>Assistant professor in experimental solid state physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Experimental solid state physics, Trento University, Italy, 2010.</i> • <i>Master in solid state physics, Faculty of Science, Assiut University, Egypt, 2007.</i> • <i>Bachelor Degree in Physics, Faculty of Science, Assiut University, Egypt, 2000.</i>
Employment	<ul style="list-style-type: none"> • <i>University of Assiut, Faculty of Science, Physics department, Lecturer, 2000-2011</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2011-2017</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2017 -</i>
Research and development projects over the last 5 years	<i>None</i>
Industry collaborations over the last 5 years	<i>None</i>
Patents and proprietary rights	<i>None</i>
Important publications over the last 5 years	<p><i>Total number:2</i></p> <ol style="list-style-type: none"> 1. <i>“EXAFS parameters and VDOS in zincblende structures”: P. Fornasini, R. Grisenti and N. Abd el All. Journal of Physics: Conference Series 430 (2013).</i> 2. <i>“Accuracy evaluation in temperature-dependent EXAFS measurements of CdTe”, N. Abd el All, B. Thiodjio Sendja, R. Grisenti, F. Rocca, D. Diop, O. Mathon, S. Pascarellif, P. Fornasini, J. Synchrotron Rad. (2013).</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Visiting the research laboratory of Osaka University in Japan, July 2016.</i>



Name	<i>Basma Ali Elbadry AbdelAzeem</i>
Post	<i>Assistant professor of Radiation physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D. in Radiation Physics, Ain Shams University, 2010</i> • <i>Master in Radiation Physics, Ain Shams University, 2007</i> • <i>Bachelor Degree in physics and computers, Ain Shams University, 2004</i>
Employment	<ul style="list-style-type: none"> • <i>Ain Shams University, Demonstrator, 2005-2007</i> • <i>Ain Shams University, Assistant Lecturer, 2007-2010</i> • <i>Ain Shams University, Lecturer, 2010-2013</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2013- until Now</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:2</i></p> <ul style="list-style-type: none"> • <i>M.F. Zaki, A.M. Abdul-Kader, Afaf Nada, <u>Basma A. El-Badry</u>, (2013) "Surface modification of Makrofol-DE induced by α-particles" Philosophical Magazine.</i> • <i>A.M. Abdul-Kader, M.F. Zaki, <u>Basma A. El-Badry</u>, (2014) "Modified optical and electrical properties of CR-39 by gamma ray irradiation".</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Hiyam Abdullah Alkhzon</i>
Post	<i>Assistant professor of condensrd matter physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Ph.D in Theoretical Condensed Matter, the University of Jordan, 2014</i> • <i>Master in Applied physics, the Hashemite University, 2008</i> • <i>Bachelor Degree in physics, the Hashemite University, 2004.</i>
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, 2014-2017</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>The Static Fluctuation Approximation (SFA) in many-body systems. This is a relatively new theoretical approach to many body problems.</i> • <i>Low and ultra-low temperature physics.</i> • <i>Low-dimensional systems</i> • <i>Trapped Bose and Fermi gases</i>
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:3</i></p> <ul style="list-style-type: none"> • <i>M. K. Al-Sugheir, H. A. Al-Khzon, M. Al-Maghrabi, G. A. Alna'washi On the Effects of the Interaction Potential Parameters on Bose-Einstein Condensation. Acta Physica Polonica A, 122: 704-708(2012).</i> • <i>H. A. Al-Khzon, H. B. Ghassib. M. K. Al-Sugheir. Harmonically-Trapped One-Dimensional Fermi Gas Using the Static Fluctuation Approximation. Can. J. Phys. 93: 1–11 (2015) 0315.</i> • <i>H. A. Al-Khzon, M. K. Al-Sugheir. Magnetic and thermodynamic properties of Lithium-6 and Potassium-40 Using the Static Fluctuation Approximation (still).</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>The 7th Scientific Conference, member, 2016.</i> • <i>The 8th Scientific Conference, member, 2017.</i> • <i>Participation in the best poster competition, 2017 and taken number one in this competition.</i> • <u><i>Giving siminars:</i></u> <ul style="list-style-type: none"> - <i>Superfluidity and quantum vortices-2016.</i>



Name	<i>Asmae Mohammad Mimouni</i>
Post	<i>Assistant professor of physics</i>
Academic career	<ul style="list-style-type: none"> • <i>PhD degree in Electronics , Abdelmalek Esaadi University Tetouan Morocco ,2013</i> • <i>International PhD in information technology and communications in telecommunication systems, Cantabria University, Spain, 2012</i> • <i>Master in information technology and communications in telecommunication systems, Cantabria University Spain, 2009.</i> • <i>DESA (The Postgraduate Diploma) in physics - microelectronics and technical radio frequencies, Abdelmalek Esaadi University Tetouan Morocco, 2006</i> • <i>Bachelor Degree in Science physics- Electronics, Abdelmalek Esaadi University Tetouan Morocco, 1997.</i>
Employment	<ul style="list-style-type: none"> • <i>researcher in charge of the project ``CHARACTERISATION DE TRANSISTORES``, in the framework of the KORRIGAN European Project, 2008/2010.</i> • <i>Training at ENSEA (Ecole Nationale Supérieure de l'Electronique et de ses Applications) engineering school, Cergy-Pontoise, France, 01/07/2012-30/09/2012.</i> • <i>Temporary Assistant Professor in Princess Nora bint Abdul Rahman University Riyadh, 09/ 2013- 01/2017.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Assistant professor, since 02/02/2017.</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>research project between Princess Noura Bent Abderahman-Riyadh University and National School of Electronics and Applications, Cergy-Pontoise, France project topic: : " the reliability of the radio frequency identification (RFID) systems in extreme environments"</i>
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number:2</i></p> <ul style="list-style-type: none"> • <i>Mimouni. Asmae, Tomas Fernandez, Jose Rodriguez-Tellez, Antonio Tazon, Henri Baudrand, Mohamed Boussuis, "Gate Leakage Current in GaN HEMT's: A Degradation Modeling Approach", Electrical and Electronic Engineering, Vol.2, N°. 6, December 2012.</i> • <i>M. Chaibi, T. Ferndandez, A. Mimouni, J. Rodriguez-Tellez, A. Tazón, and A. Mediavilla, "NONLINEAR MODELING OF TRAPPING AND THER-MAL EFFECTS ON GaAs AND GaN MESFET/HEMT DE-VICES", Progress In Electromagnetics Research, Vol. 124, pp. 163-186, 2012●</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Sitah Fahad Alanazi</i>
Post	<i>Lecturer of physics</i>
Academic career	<ul style="list-style-type: none"> • <i>PhD in medical physics, king Saud University, 2017</i> • <i>Master in Nuclear Physics, King Saud University, 2007</i> • <i>Bachelor Degree in Physics, Dammam University, 2002.</i>
Employment	<ul style="list-style-type: none"> • <i>Lecturer of Physics, Department of Physics, College of Science, Imam Mohammad bin Saud Islamic University, Riyadh, KSA., 2009 -present</i> • <i>Coordinator of Graduate Studies of the Female Section, Department of Physics, College of Science, Imam Mohammad bin Saud Islamic University, 2017-present.</i> • <i>Director of the follow-up management at Imam Mohammad bin Saud Islamic University, Riyadh, KSA., 2008-2013.</i> • <i>Teaching Assistant, College of Science, Imam Mohammad bin Saud Islamic University, Riyadh, KSA. 2006-2009.</i> • <i>Collaborative Teaching Assistant, College of Science, King Saud University, Riyadh, KSA. 2006-2006.</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Development and Optimization of Zr-89 modern PET/CT Imaging Protocols for Breast Tumor Diagnosis and Immunotherapy Planning (11-MED 1586-02.), 2013-2017, King Abdul-Aziz City for Science and Technology (KACST).</i>
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • <i>GATE (Geant4 Application Tomography Emission Code) Training, institute national des sciences et technique nucléaires, Center CEA (Commissariat à l'énergie atomique) Saclay, France</i>
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number: 1</i></p> <ul style="list-style-type: none"> • <i>Alanazi, Sitah F.; Alzimami, Khalid S.; Ghannam, Magdy M.; Aljammaz, Ibrahim J.; Alrumayan, Faisal; Sassi, Salem A. (2016) Quantitative imaging characteristics of zirconium-89 on Gemini Time-Of-Flight PET/CT. Nuclear Medicine Communication. (2016), 37(12): 1238-1245</i>
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Saudi Medical Physics Society, member, 2010-2014.</i>



Name	<i>Merfat Ali Alzumia</i>
Post	<i>Lecturer in theoretical physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Master of Mathematical Physics, King Saud University</i> • <i>Bachelor of General Physics Princess Norah University</i>
Employment	<ul style="list-style-type: none"> • <i>June 2012-Present: Lecturer, Department of Physics, College of Sciences, Al Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia</i> • <i>June 2014-Present: Deputy Head, Department of Physics, College of Sciences, Al Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia</i> • <i>June 2017- August 2017: Vice Dean, College of Sciences, Al Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia</i> • • <i>October 2002- August 2005: Teacher, Al-Yamamah Secondary school, Ministry of Education, Riyadh, Saudi Arabia</i> • <i>November 2005- March 2005: Teacher, School “72”, Ministry of Education, Riyadh, Saudi Arabia</i> • <i>April 2005- August 2005: Teacher, School “211”, Ministry of Education, Riyadh, Saudi Arabia</i> • <i>October 2005- March 2006: Teacher, School “58”, Ministry of Education, Riyadh, Saudi Arabia</i> • <i>April 2006- March 2007: Teacher, Al-Riyadh School, Ministry of Education, Riyadh, Saudi Arabia</i> • <i>May 2007- January 2012: Teacher, Orphans House of Education, Riyadh, Saudi Arabia</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	
Activities in specialist bodies over the last 5 years	



Name	<i>Saja Mohammed Algessair</i>
Post	<i>Lecturer</i>
Academic career	<ul style="list-style-type: none"> • <i>Master in Theoretical Physics, King Saud University, 2015</i> • <i>Bachelor in physics, King Saud University, 2011</i>
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Teaching assistant, 2012-2017</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Lecturer, 2017-now</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	
Activities in specialist bodies over the last 5 years	<i>Member at Saudi Physical Society (SPS).</i>



Name	<i>Asma Rshood Alshraim</i>
Post	<i>Lecturer</i>
Academic career	<ul style="list-style-type: none"> • <i>Master in Analytical Physics, King Saud University, 2014</i> • <i>Bachelor Degree in General Physics, King Saud University, 2009.</i>
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Teaching assistant, 2013-2015</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Lecturer, 2015-Up to now</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	
Activities in specialist bodies over the last 5 years	



Name	<i>Hanadi Mohammad Jamoom Ali</i>
Post	<i>Lecturer</i>
Academic career	<ul style="list-style-type: none"> • <i>Master in Theoretical Physics , King Saud University, 2014</i> • <i>Bachelor Degree, King Saud University, 2007.</i>
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Teaching Assistant, 2009-2014</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Lecturer, 2014-now.</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	
Activities in specialist bodies over the last 5 years	



Name	<i>Hanan A bdulrahman.AL.mostafa</i>
Post	<i>Lecturer in Experimental Physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Bachelor of Physics, princess noura Bint Abdulrahman University.</i> • <i>Master of Nuclear Experimental Physics, college of Science, Dammam.</i>
Employment	<ul style="list-style-type: none"> • <i>King Faisal University, teaching assistant.</i> • <i>King Faisal University, Lecturer.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, teaching assistant.</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Lecturer.</i>
Research and development projects over the last 5 years	--
Industry collaborations over the last 5 years	--
Patents and proprietary rights	
Important publications over the last 5 years	--
Activities in specialist bodies over the last 5 years	--



Name	<i>Hanan Fawaz Akhdar</i>
Post	<i>Lecturer, Department of Physics, College of Science, Imam Mohammad Ibn Saud Islamic University</i>
Academic career	<ul style="list-style-type: none"> • <i>A Bachelor's degree from King Saud University in the major of physics</i> • <i>Masters degree in nuclear physics from King Saud University</i> • <i>Studying PhD in Nuclear Physics at King Saud University</i>
Employment	<ul style="list-style-type: none"> • <i>Riyadh College of Dentistry and Pharmacy, Teacher assistant, 2004-2007</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Lecturer, 2007-now</i>
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Development of a 3D high resolution gamma camera (NPST), 2013-2018, King Abdul-Aziz City for Science and Technology (KACST).</i>
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<ul style="list-style-type: none"> • <i>Akhdar, H., Kezzar, K., Gerl, J., Aksouh, F., Assemi, N., AlGhamdi, S., & AlGarawi, M. (2015). Geant4 simulation of a 3D high resolution gamma camera. Journal of Instrumentation, 10(12), C12018–C12018. http://doi.org/10.1088/1748-0221/10/12/C12018</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Nawal Ahmad Madkhali</i>	
Post	<i>Lecturer</i>	
Academic career	<ul style="list-style-type: none"> • <i>Master in Theoretical physics, king faisal University, Damamm , KSA 2008</i> • <i>Bachelor Degree in physics, king faisal University, Damamm 2004</i> 	
Employment	<ul style="list-style-type: none"> • <i>University of Shanghai for Science and Technology, Lecturer, 2004-2008</i> • <i>Al Imam Mohammad Ibn Saud Islamic University, Lecturer, 2008 until now</i> 	
Research and development projects over the last 5 years	<i>Poster Presentation in the International Work shop for Advanced Material (IWAM) February 2016 “Enhancement of the dye-sensitized solar cells performance using ZnONPs, TiO2NPs and a composite of ZnO- TiO2NPs” international workshop on Advanced Materials(IWAM-2016), Ras Al Khimah/UAE</i>	
Industry collaborations over the last 5 years		
Patents and proprietary rights	<i>1- DYE SENSITIZED SOLAR PANEL.</i>	<i>Year:12 Oct. 2017</i>
	<i>2- SYNTHESIS OF REDUCED GRAPHENE OXIDE NANOPARTICLES</i>	<i>Year:14 Nov. 2017</i>
Important publications over the last 5 years		
Activities in specialist bodies over the last 5 years		



Name	<i>Tarfah Majed Al-Enad</i>
Post	<i>Lecturer in Physics department,</i>
Academic career	<ul style="list-style-type: none"> • <i>Bachelor's Degree (B.Sc.) in Physics from King Saud University, year 2006.</i> • <i>Master's Degree (M.Sc.) in Physics at Faculty of Science, King Saud University, year 2013.</i>
Employment	<ul style="list-style-type: none"> • <i>Associate Teacher in physics department, AlJouf University (2007)</i> • <i>Teaching assistant in AlJouf University, College of Sciences, 2006-2012.</i> • <i>Teaching assistant at physics department, College of Sciences, AL Imam Muhammad ibn Saud Islamic University 2012.</i> • <i>Lecturer in Physics department, Al Imam Mohammed Ibn Saud University, 2013 until now.</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	<p><i>Total number: 1</i></p> <ul style="list-style-type: none"> • <i>Tarfah Al-Inad, Walid Tawfik, Aslam Farooq, Ashraf El Sherbini and Abdullah Aldwayyan "Depenedance of LIPS Plasma Characteristics on the Structure of Metal Oxide Thin Films", paper submission for 10th International Conference HONET_CNS 2013</i>
Activities in specialist bodies over the last 5 years	



Name	<i>Manal Khalid Aldail</i>
Post	<i>Teaching assistant</i>
Academic career	<ul style="list-style-type: none"> <i>Bachelor Degree in Physics, Al Imam Mohammad Ibn Saud Islamic University, 2014.</i>
Employment	<ul style="list-style-type: none"> <i>Al Imam Mohammad Ibn Saud Islamic University, Teaching assistant, 2014-</i>
Research and development projects over the last 5 years	<i>None</i>
Industry collaborations over the last 5 years	<i>None</i>
Patents and proprietary rights	<i>None</i>
Important publications over the last 5 years	<i>None</i>
Activities in specialist bodies over the last 5 years	<i>None</i>



Name	<i>Maryam fares Alshehri</i>	
Post	<i>Teacting assistant</i>	
Academic career	<ul style="list-style-type: none"> • <i>Master in Condensed Matter Physics, King Saud University, 2017</i> • <i>Bachelor Degree in General physics, king Saud University, 2012.</i> • <i>Diploma in English language , British Council ,</i> 	
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Teaching assistant , 2014</i> 	
Research and development projects over the last 5 years	<ul style="list-style-type: none"> • <i>Numerical modelling of the impact of proton implantation induced atomic intermixing on the electronic properties of InAs/GaAs quantum dots, (master project), King Saud University, 2017.</i> 	
Industry collaborations over the last 5 years	<ul style="list-style-type: none"> • 	
Patents and proprietary rights	<i>Title</i>	<i>Year</i>
Important publications over the last 5 years	<i>Total number:</i>	
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> • <i>Participation in the research week of physics department , Al Imam Mohammad Ibn Saud Islamic University, 2017</i> • <i>Attend the online training course(Leadership and Supervisory Skills),Saudi electronic University , two weeks , 2017</i> • <i>Attend the online training course(Communication Skills),Saudi electronic University , two weeks , 2017</i> • <i>Attend the training course (Effective e-teaching skills), Al Imam Mohammad Ibn Saud Islamic University, two days, 2017.</i> • <i>Attend the training course (E-learning basics and design and planning skills of e-courses), Al Imam Mohammad Ibn Saud Islamic University, five days, 2017.</i> • <i>Attend the online training course (Design of electronic questionnaires), Saudi Digital Library, 2017.</i> • <i>Attend the online training course (AIP Basic and advanced search techniques), Saudi Digital Library, 2016.</i> • <i>Attend the online training course (Rules for writing scientific research), Saudi Digital Library, 2016.</i> • <i>Attend the training course (Scientific publishing in international journals), King Saud University, 10 hours, 2015.</i> • <i>Attend the International Conference (future teachers- preparation and development), King Saud University, two days, 2015.</i> • <i>Attend (The 3rd Saudi International Nanotechnology Conference), King Abdulaziz City for Science and Technology (KACST), three days, 2014.</i> • <i>Attend the training program (Teaching Assistant Training Program) T.A.T7, Al Imam Mohammad Ibn Saud Islamic University, three days, 2014.</i> 	

KINGDOM OF SAUDI ARABIA

Ministry of Education

Al-Imam Mohammad Ibn Saud Islamic University

College of Science



المملكة العربية السعودية

وزارة التعليم

جامعة الإمام محمد بن سعود الإسلامية

كلية العلوم



Name	<i>Sarah Warad Alanazi</i>
Post	<i>Teaching Assistant of Physics</i>
Academic career	<ul style="list-style-type: none"> • <i>Master in Theoretical Physics , King Saud University, 2017</i> • <i>Bachelor Degree in Physics, Princess Nourah bint Abdulrahman University, 2010.</i>
Employment	<ul style="list-style-type: none"> • <i>Al Imam Mohammad Ibn Saud Islamic University, Teaching Assistant, 2017-Present</i>
Research and development projects over the last 5 years	
Industry collaborations over the last 5 years	
Patents and proprietary rights	
Important publications over the last 5 years	
Activities in specialist bodies over the last 5 years	