

CURRICULUM VITAE

PERSONAL DATA

Name	Nazir Mustapha
Nationality	British
Position	Associate Professor
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EDUCATION

Year	Academic Degree	Institution
1995	PhD	Loughborough University, United Kingdom
1992	MPhil in Physics	Loughborough University, United Kingdom
1985	Bachelor Degree in Physics	King Abdul Aziz University, Saudi Arabia

WORK EXPERIENCE

Period	Position	Address
Present	Associate Professor	Al Imam Mohammad Ibn Saud Islamic University
2002-2003	Visiting Lecturer	Oxford University and Ophys Limited, UK.
2001-2002	Research Associate	Surrey University, UK
1997-2001	Research Scientist	Birmingham University, UK

RESEARCH INTERESTS

Thin Film Technology and its applications in optoelectronic devices such as organic solar cells, and organic light emitting diodes. Processing and characterization of solar cell devices using conjugated polymers, nanoparticles, quantum dots and graphene. Optical thin films materials for applications in electronic devices.

PUBLICATIONS

Selected Publications:

- M. Abdel Rafea, A. Eid, Nazir Mustapha. The effect of annealing on the structure, morphology, and optical properties of Co_3O_4 thin films prepared using a modified dip coating technique. *Materials Science and Engineering B*, Volume 290, April 2023, 116294. <https://doi.org/10.1016/j.mseb.2023.116294>
- N. Mustapha, M. A Rafea, O. Aldaghri, B. Ben Abdelaziz, and K. H. Ibnaouf . Influence of ZnO nanoparticles on the performance of LED based on oligomer thin films. *Journal of Materials Science: Materials in Electronics* 32, 17 (2021)DOI: 10.1007/s10854-021-05269-y
- Nazir Mustapha, Zakia Fekkai, and Khalid .H. Ibnaouf. Improved performance of Organic Light-Emitting Diodes based on Oligomer Thin Films with Graphene. *Journal of Electronic Materials*. 2
<https://doi.org/10.1007/s11664-019-07903-2>
- Nazir Mustapha, Zakia Fekkai, and Khalid .H. Ibnaouf . Improved performance of Organic Light-Emitting Diodes based on Oligomer Thin Films with Graphene. *Journal of Electronic Materials*. 2020
<https://doi.org/10.1007/s11664-019-07903-2>
- A. ALYAMANI , N. MUSTAPHA, T. S. ALKHURAIJI, H. IDRIS. Influence of Gamma Ray and thermal annealing on zinc oxide and titanium oxide thin films characteristics. *Journal of Ovonic Research*, volume 15, Number5, September / October 2019, 301 – 313.
- Nazir Mustapha, Mohamad S. AlSalhi, Saradh Prasad. Energy transfer-enhanced external power conversion efficiency in blended polymeric thin film solar devices. *Journal of Materials Science: Materials in Electronics* (2019) 30: 7840-7849.
- Nazir Mustapha, A. AlKaoud, Hajo Idriss, Ahmed Alyamani. Influence of Gamma Ray onto transparent Indium tin Oxide thin films. *Journal of Ovonic Research* volume 14, Number3, May / June 2018, 225 – 233.
- Z. Fekkai, N. Mustapha, Hajo Idriss. Optical characteristics of pure and blended conjugated co-polymers with ZnO nanoparticles in solution. *Journal of Ovonic Research*. Vol. 14, No. 5, September - October 2018, p. 325 – 332.

- A. Alyamani a, N. Mustapha. Effects of high dose gamma irradiation on ITO thin film properties. *Thin Solid Films* 611 (2016) 27–32. ISSN: 0040-6090
- 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.
- 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. ISSN. 0030-4026
- 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. *Instrumentation Science & Technology*. 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. *Physica E* 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. *Optik-International Journal for Light and Electron Optics*. Volume 124, Issue 22, November 2013, Pages 5524-5527