

CURRICULUMVITAE

PERSONAL DATA

Name	Moez Abdoelfath Ibrahim Mohammed
Nationality	Sudanese
Position	lecturer - College of Science - Imam Mohammad Ibn Saud Islamic University(IMSUI)- Kingdom of Saudi Arabia.
E-Mail	maimohammed@imamu.edu.sa
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EDUCATION

Year	Academic Degree	Institution
2017	PH D In Physics (Laser physics)	Sudan University of Science & Technology (SUST), Khartoum, Sudan
2011	M. Sc.In Solid State Physics,	Sudan University of Science & Technology (SUST), Khartoum, Sudan
2008	B. Sc. In Physics	Sudan University of Science & Technology (SUST), Khartoum, Sudan.

WORK EXPERIENCE

Period	Position	Address
28/03/2013 Up to Now	Lecturer	Physics Department - College of Science - Imam Mohammad Ibn Saud Islamic University (IMSUI)- Ministry of Education, Riyadh, Kingdom of Saudi Arabia.
21/01/2003 to 1/02/2016	Assistant Professor (Researcher)	Material and Electronics Research Institute – National Center for Research -Khartoum- Sudan-P.O Box 2404
2008 to 2009	Radiation protection technician	The Sudanese Atomic Energy Authority worked in the field of radiation protection

RESEARCH INTERESTS

Fabrication and Characterization of Micro & Nano optoelectronics devices materials, Solar energy (Solar

Thermal and Photovoltaic), Fabrication, Characterization and spectroscopic studies of nanomaterials (Raman, PL, XRD, EDX, SEM, FTIR, FESEM, AFM and UV-Vis), Fabrication of semiconductors nanostructures (Thin film depositions, epitaxial growth on different substrates. Fabrication, Characterization of the flexible and organic (polymers) solar cells and optoelectronic devices, Nano Physics & Technology and Laser Physics.

PUBLICATIONS

1. H Idriss, **MA Ibrahim**, A Modwi Photocatalytic degradation of Congo red pigment by V2O5–TiO2 nanohybrid. Journal Zeitschrift für Naturforschung jan2023.A 78 (1), 67-76.
2. Abdullahi Abbas Adam, Mohammed Khalil Mohammed Ali, John Ojur Dennis, Hassan Soleimani, Muhammad Fadhlullah Bin Abd Shukur, Khalid Hassan Ibnaouf, Osamah A Aldaghri, **Moez A Ibrahim**, Naglaa FM Abdel All, Abubakar Bashir Abdulkadir . Innovative Methylcellulose-Polyvinyl Pyrrolidone-Based Solid Polymer Electrolytes Impregnated with Potassium Salt: Ion Conduction and Thermal Properties. Polymers 14 (15), 3055.2022.
3. John Ojur Dennis, Abdullahi Abbas Adam, MKM Ali, Hassan Soleimani, Muhammad Fadhlullah Bin Abd Shukur, KH Ibnaouf, O Aldaghri, MH Eisa, **M.A.Ibrahim**, Abubakar Bashir Abdulkadir, Vipin Cyriac.Substantial proton ion conduction in methylcellulose/pectin/ammonium chloride based solid nanocomposite polymer electrolytes: effect of ZnO nanofiller20.22.Membranes 12 (7), 706
4. John Ojur Dennis, Abdullahi Abbas Adam, MKM Ali, Hassan Soleimani, Muhammad Fadhlullah Bin Abd Shukur, KH Ibnaouf, O Aldaghri, MH Eisa, **M.A. Ibrahim**, Abubakar Bashir Abdulkadir, Vipin Cyriac , Substantial proton ion conduction in methylcellulose/pectin/ammonium chloride based solid nanocomposite polymer electrolytes: effect of ZnO nanofiller20.22.Membranes 12 (7), 706
5. Mohammed Rashid Almamari, Naser M Ahmed, Araa Mebdir Holi, FK Yam, Mohammed Z Al-Abri, MA Almessiere, Basma A El-Badry, MA Ibrahim, Osamah A Aldaghri, Khalid Hassan Ibnaouf, Photoconversion efficiency of In2S3/ZnO core-shell heterostructures nanorod arrays deposited via controlled SILAR cycles,jun2022, 12 (7), 706
6. Mohammed Rashid Almamari, Naser M Ahmed, Araa Mebdir Holi, FK Yam, Mohammed Z Al-Abri, MA Almessiere, Basma A El-Badry, MA Ibrahim, Osamah A Aldaghri, Khalid Hassan Ibnaouf, [Photoconversion efficiency of In2S3/ZnO core-shell heterostructures nanorod arrays deposited via controlled SILAR cycles](#),jun2022, 8 (7), e09959.
7. Nesreen T El-Shamy, Ahmed M Alkaoud, Rageh K Hussein, **Moez A Ibrahim**, Abdulrahman G Alhamzani, Mortaga M Abou-Krishna, [DFT, ADMET and Molecular Docking Investigations for the Antimicrobial Activity of 6, 6'-Diamino-1, 1', 3, 3'-tetramethyl-5, 5'-\(4-chlorobenzylidene\) bis \[pyrimidine-2, 4 ...](#)jan2022, 27 (3), 620.
8. **M Ibrahim**, M M Nassar, N L Bassily, M Abdel-Aziz, The Odd Inverse Pareto-Moyal Distribution,2021, Journal of Statistics Applications & Probability (2021) 10 (3), 847-864
9. KH Ibnaouf, **MA Ibrahim**, O Aldaghri, Raed Alhathloul, AO [Elzupir- Structural, optical characteristics of 3-\(pN, N-dimethyl aminophenyl\) 5-phenyl-1H-pyrazole: tuning band gaps with acid solutions-](#) Journal of Materials Science: Materials in Electronics (2019)30 (15), 14312-14319.
10. K.H. IBNAOUF, A.O. ELZUPIR, **M.A. IBRAHEM**, M.K.M. ALI, and MUHANNA K. AL-MUHANNA. Optical Characteristics and Structural Properties of 3-(pNitrophenyl)-5-phenyl-1H-pyrazole. Journal of Electronic Materials February 2019. Volume 48, Issue 2, pp 861–866
11. A.O.Elzupir,M.K.M. Ali,R.K.Hussein,**M.A.Ibrahim**,Muhanna K.Al-Muhanna and K.H.Ibnaouf. Molecular structure, frontier molecular orbital and spectral analysis of dimethylamino chalcones efficient lasing dyes Journal of Molecular Structure. Volume 1178, 15 February 2019, Pages 285-289
12. A Modwi, MKM Ali, Kamal K Taha, **MA Ibrahim**, HM El-Khair, MH Eisa, MR Elamin, O Aldaghri, Raed Alhathloul, KH Ibnaouf- Structural and optical characteristic of chalcone doped ZnO nanoparticles- Journal of Materials Science: Materials in Electronics(2018) 29, 2791-2796.
13. A Elzupir, K Ibnaouf, H Idriss, **M Ibrahim**, S Prasad, M Alrajhi, M AlSalhi, A Alaamer - Synthesis and characterization of an efficient new liquid laser dye material-chalcone (DMAPPP) - Acta Physica Polonica A 133 (1), 121-125.

14. A. Modwi, M. K. M. Ali, Kamal K. Taha, **M. A. Ibrahim**, H. M. El-Khair, M. H. Eisa, M. R. Elamin, O. Aldaghri, Raed Alhathloul, K. H. Ibnaouf , Structural and optical characteristic of chalcone doped ZnO nanoparticles, Journal of Materials Science: Materials in Electronics, Volume --, No.---, 14 November 2017. pages 1–6
15. M. K. M. Ali, A. O. Elzupirc, **M. A. Ibrahim**, H. Idriss, A. S. Alaamer, M. A. Alrajhi and K. H. Ibnaouf, 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
16. K. H. Ibnaouf, M. K. M. Ali, A. O. Elzupirc, **M. A. Ibrahim**, H. Idriss, A. S. Alaamer, M. A. Alrajhi and M.S. Alsahhi. 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, Pages. 423 – 430.
17. OM Lemine, M Bououdina, A Alyamani, K Omri, K Ibnaouf, **MA Ibrahim**, R Alhathloul - Defect-induced room temperature ferromagnetism in mechanically milled nanocrystalline In₂O₃ powder. Materials Letters (2016)181, 152-155
18. **MA Ibrahim**, AE Elfaki, IM Elfaki- Laser Characteristics from a Chalcone in Solution- Int. J. Sci. Res.(2015) 6, 2319-7064
19. **MA Ibrahim**, IM Elfaki, AE Elfaki Optical Properties of a Chalcone in Solution Acta Part A: Molecular and Biomolecular Spectroscopy(2014 121, 339-345