

CURRICULUM VITAE

PERSONAL DATA

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EDUCATION

Year	Academic Degree	Institution
2005- 2008	Ph.D	AL-Neelain University
2001-2005	MS.c	King Saud University
1998	BS.c	AL-Neelain University

WORK EXPERIENCE

Period	Position	Address
2021 to	Professor	Imam Mohammad Ibn Saud Islamic University
04 FEB 2015- 15-FEB-2021	Associate Professor	Imam Mohammad Ibn Saud Islamic University
14 Nov 2009- 03 FEB 2015	Assistant Professor	Imam Mohammad Ibn Saud Islamic University
June. 23, 2008- Nov.13, 2009	Assistant Professor	AL-Neelain University

RESEARCH INTERESTS

Material Science, Laser , Spectroscopy, Nanotechnology

PUBLICATIONS

1. Mahmud, Afzan; Zango, Zakariyya Uba; Noh, Teh Ubaidah; Usman, Fahad; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Shaharun, Maizatul Shima; Response surface methodology and artificial neural network for prediction and validation of bisphenol a adsorption onto zeolite imidazole framework Groundwater for Sustainable Development 21 100925 **2023**
2. Ali, Amal Mohamed Ahmed; Ahmed, Naser M; Kabir, Norlaili A; Al-Diabat, Ahmad M; Algadri, Natheer A; Alsadig, Ahmed; Aldaghri, Osamah A; **Ibnaouf, Khalid H**; Sensitivity of Al-Doped Zinc-Oxide Extended Gate Field Effect Transistors to Low-Dose X-ray Radiation Materials 16 5 1868 **2023**
3. Dennis, John Ojur; Shukur, MF; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Adam, Abdullahi Abbas; Usman, Fahad; Hassan, Yarima Mudassir; Alsadig, A; Danbature, Wilson L; Abdulkadir, Bashir Abubakar; A Review of Current Trends on Polyvinyl Alcohol (PVA)-Based Solid Polymer Electrolytes Molecules 28 4 1781 **2023**
4. Dalhatu, Sani Nazifi; Modu, Kolo Alhaji; Mahmoud, Auwal Adamu; Zango, Zakariyya Uba; Umar, Abdullahi Bello; Usman, Fahad; Dennis, John Ojur; Alsadig, Ahmed; **Ibnaouf, Khalid Hassan**; Aldaghri, Osamah A; L-Arginine Grafted Chitosan as Corrosion Inhibitor for Mild Steel Protection Polymers 15 2 398 **2023**
5. Alqanoo, Anas AM; Ahmed, Naser M; Hashim, Md R; Almessiere, Munirah A; Taya, Sofyan A; Alsadig, Ahmed; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Synthesis and Deposition of Silver Nanowires on Porous Silicon as an Ultraviolet Light Photodetector Nanomaterials 13 2 353 **2023**
6. Alqanoo, Anas AM; Ahmed, Naser M; Hashim, Md Roslan; Alsadig, Ahmed; Al-Yousif, Shahad; Taya, Sofyan A; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Coating Readily Available Yet Thermally Resistant Surfaces with 3D Silver Nanowire Scaffolds: A Step toward Efficient Heater Fabrication Coatings 13 2 315 **2023**
7. Ahmed Ali, Amal Mohamed; Ahmed, Naser M; Kabir, Norlaili A; Algadri, Natheer A; AL-Diabat, Ahmad M; Wadi, IA; Alsadig, Ahmed; Aldaghri, Osamah A; **Ibnaouf, Khalid H**; Towards Extended Gate Field Effect Transistor-Based Radiation Sensors: Impact of Thicknesses and Radiation Doses on Al-Doped Zinc Oxide Sensitivity Crystals 13 2 314 **2023**
8. Zango, Zakariyya Uba; Rozaini, Muhammad Nur'Hafiz; Bakar, Noor Hana Hanif Abu; Zango, Muttaqa Uba; Haruna, Maje Alhaji; Dennis, John Ojur; Alsadig, Ahmed; **Ibnaouf, Khalid Hassan**; Aldaghri, Osamah A; Wadi, Ismael Abdalla; Advancements in Clay Materials for Trace Level Determination and Remediation of Phenols from Wastewater: A Review Separations 10 2 125 **2023**

9. Usman, Fahad; Ghazali, Kamarul Hawari; Muda, Razali; Dennis, John Ojur; **Ibnaouf, Khalid Hassan**; Aldaghri, Osamah A; Alsadig, Ahmed; Johari, Nasrul Hadi; Jose, Rajan; Detection of Kidney Complications Relevant Concentrations of Ammonia Gas Using Plasmonic Biosensors: A Review Chemosensors 11 2 119 **2023**
10. Almamari, Mohammed Rashid; Ahmed, Naser M; Holi, Araa Mebdir; Yam, FK; Al-Abri, Mohammed Z; Almessiere, MA; El-Badry, Basma A; Ibrahem, MA; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Photoconversion efficiency of In₂S₃/ZnO core-shell heterostructures nanorod arrays deposited via controlled SILAR cycles Heliyon 8 7 e09959 **2022**
11. Lemine, OM; Al Huwayz, Maryam; **Ibnaouf, KH**; Alkaoud, A; Salhi, A; Henini, M; Structural, Optical and Electrical Properties of Self-Assembled InAs Quantum Dots Based p-i-n Devices Grown on GaAs Substrate by Molecular Beam Epitaxy for Telecommunication Applications Journal of Nanoelectronics and Optoelectronics 17 5 837-842 **2022**
12. Ali, MKM; Elzupir, AO; Aljameel, AI; **Ibnaouf, KH**; Synthesis, Crystal Structures, and Nonlinear Optical Properties of Chalcone Doped by Titanium Dioxide Nanoparticles for Solar Cell Application Journal of Nanoelectronics and Optoelectronics 17 9 1308-1314 **2022**
13. Ali, MKM; Modwi, A; Idriss, Hajo; Aldaghri, O; Ismail, Mukhtar; **Ibnaouf, KH**; Detoxification of Pb (II) from aquatic media via CaMgO₂@ g-C₃N₄ nanocomposite Materials Letters 322 132501 **2022**
14. Elzupir, AO; **Ibnaouf, KH**; Synthesis of novel pyrrolidiny chalcone derivatives: Spectral properties, energy band-gap tailoring, and amplified spontaneous emission Journal of Molecular Structure 1250 131698 **2022**
15. Al Huwayz, M; Galeti, HVA; Lemine, OM; **Ibnaouf, KH**; Alkaoud, A; Alaskar, Y; Salhi, A; Alhassan, S; Alotaibi, S; Almalki, A; Optical properties of self-assembled InAs quantum dots based P-I-N structures grown on GaAs and Si substrates by Molecular Beam Epitaxy Journal of Luminescence 251 119155 **2022**
16. Aldaghri, O; Modwi, A; Idriss, Hajo; Ali, MKM; **Ibnaouf, KH**; Cleanup of Cd II from water media using Y₂O₃@ gC₃N₄ (YGCN) nanocomposite Diamond and Related Materials 129 109315 **2022**
17. Mohammed, Murtala Uba; Badamasi, Murtala M; Usman, Fahad; Zango, Zakariyya Uba; Dennis, John Ojur; Aljameel, Abdul'aziz I; Mohammed Ali, Mohammed Khalil; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Hussein, Tasneem Mohammed; Towards Urban Sustainability: Developing Noise Prediction Model in an Informal Setting Applied Sciences 12 18 9071 **2022**
18. Ojur Dennis, John; Ali, Mohammed Khalil Mohammed; **Ibnaouf, Khalid Hassan**; Aldaghri, Osama; Abdel All, Naglaa FM; Adam, Abdullahi Abbas; Usman, Fahad; Hassan, Yarima Mudassir; Abdulkadir, Bashir Abubakar; Effect of ZnO Nanofiller on Structural and

- Electrochemical Performance Improvement of Solid Polymer Electrolytes Based on Polyvinyl Alcohol–Cellulose Acetate–Potassium Carbonate Composites Molecules 27 17 5528 **2022**
19. Zango, Zakariyya Uba; Dennis, John Ojur; Aljameel, AI; Usman, Fahad; Ali, Mohammed Khalil Mohammed; Abdulkadir, Bashir Abubakar; Algessair, Saja; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Effective removal of methylene blue from simulated wastewater using ZnO-chitosan nanocomposites: optimization, kinetics, and isotherm studies Molecules 27 15 **4746 2022**
20. Abbasgholi-NA, Behnaz; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Madkhali, Nawal; Cabrera, Humberto; On the absorption and photoluminescence properties of pure ZnSe and Co-doped ZnSe: Eu³⁺/Yb³⁺ crystals Applied Sciences 12 9 4248 **2022**
21. Adam, Abdullahi Abbas; Ali, Mohammed Khalil Mohammed; Dennis, John Ojur; Soleimani, Hassan; Shukur, Muhammad Fadhullallah Bin Abd; **Ibnaouf, Khalid Hassan**; Aldaghri, Osamah A; Ibrahim, Moez A; Abdel All, Naglaa FM; Bashir Abdulkadir, Abubakar; Innovative Methylcellulose-Polyvinyl Pyrrolidone-Based Solid Polymer Electrolytes Impregnated with Potassium Salt: Ion Conduction and Thermal Properties Polymers 14 15 3055 **2022**
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25. Elzupir, Amin O; Hussein, Rageh K; **Ibnaouf, Khalid H**; Intermolecular CH- π Electrons Interaction in Poly (9, 9-dioctylfluorenyl-2, 7-diyl)(PFO): An Experimental and Theoretical Study Molecules 27 5 1488 **2022**
26. Salih, Ethar Yahya; Ramizy, Asmiet; Aldaghri, Osamah; Sabri, Mohd Faizul Mohd; Madkhali, Nawal; Alinad, Tarfah; **Ibnaouf, Khalid Hassan**; Eisa, Mohamed Hassan; Rapid synthesis of hexagonal-shaped Zn (Al) O-MMO nanorods for dye-sensitized solar cell using Zn/Al-LDH as precursor Nanomaterials 12 9 1477 **2022**
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29. Elamin, Mohamed R; Abdulkhair, Babiker Y; Elamin, Nuha Y; **Ibnaouf, Khalid H**; Idriss, Hajo; Bakheit, Rafia; Modwi, Abueliz; Application of Synthesized Vanadium–Titanium Oxide Nanocomposite to Eliminate Rhodamine-B Dye from Aqueous Medium Molecules 28 1 176 **2022**
30. Salih, Ethar Yahya; Ramizy, Asmiet; Aldaghri, Osamah; Mohd Sabri, Mohd Faizul; Madkhali, Nawal; Alinad, Tarfah; **Ibnaouf, Khalid Hassan**; Eisa, Mohamed Hassan; In-depth optical analysis of Zn (Al) O mixed metal oxide film-based Zn/Al-layered double hydroxide for TCO application Crystals 12 1 79 **2022**
31. Elamin, Mohamed R; **Ibnaouf, Khalid H**; Elamin, Nuha Y; Adam, Fatima A; Alolayan, Abdulrahman H; Abdulkhair, Babiker Y; Spontaneous Adsorption and Efficient Photodegradation of Indigo Carmine under Visible Light by Bismuth Oxyiodide Nanoparticles Fabricated Entirely at Room Temperature Inorganics 10 5 65 **2022**
32. Ramizy, Asmiet; Morphological characteristics of β -irradiated lead oxide nano-sized particles **2022**
33. Aldaghri, O; Modwi, A; Idriss, Hajo; Mustafa, Bakheit; Ali, MKM; **Ibnaouf, KH**; Photodecolorization of synthetic dye Congo red from the aquatic system by $\text{CaMgO}_2 @ \text{g-C}_3\text{N}_4$ nanocomposite **2022**
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35. Mustapha, N; Rafea, M Abdel; Aldaghri, O; Abdelaziz, B Ben; **Ibnaouf, KH**; Influence of ZnO nanoparticles on the performance of LED based on oligomer thin films Journal of Materials Science: Materials in Electronics 32 5473-5481 **2021**
36. Hussein, RK; Elkhair, HM; Elzupir, AO; **Ibnaouf, KH**; Spectral, Structural, Stability Characteristics and Frontier Molecular Orbitals of tri-n-butyl phosphate (tbp) and its Degradation Products: DFT calculations J. Ovonic Res 17 23-30 **2021**
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38. Almomani, Mohammad S; Ahmed, Naser M; Rashid, Marzaini; Ali, MKM; Akhdar, H; Aldaghri, O; **Ibnaouf, KH**; Enhancement of Temperature Fluorescence Brightness of Zn@ Si Core-Shell Quantum Dots Produced via a Unified Strategy Nanomaterials 11 11 3158 **2021**

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40. Al-Balushi, Mohamed Abdulsattar; Ahmed, Naser M; Zyoud, Samer H; Mohammed Ali, Mohammed Khalil; Akhdar, Hanan; Aldaghri, Osamah A; **Ibnaouf, Khalid Hassan**; Ionization Radiation Shielding Effectiveness of Lead Acetate, Lead Nitrate, and Bismuth Nitrate-Doped Zinc Oxide Nanorods Thin Films: A Comparative Evaluation *Materials* 15 1 3 2021
41. Attia, Mohana; Elbadawi, Abdelrahman A; **Ibnaouf, KH**; Spectral and ASE Properties of 1-(4-Methylsulfonyl Phenyl)-3-(4-N, N Dimethyl Amino Phenyl)-2-Propen-1-One (MSPPP) **2021**
42. Mustapha, Nazir; Fekkai, Zakia; **Ibnaouf, Khalid H**; Improved performance of organic light-emitting diodes based on oligomer thin films with graphene *Journal of Electronic Materials* 49 2203-2210 **2020**
43. **Ibnaouf, KH**; Photodynamic properties of poly [2-methoxy-5-(3', 7'-dimethyloctyloxy)-1, 4-phenylenevinylene] under pulsed laser excitation *Optics & Laser Technology* 130 106369 **2020**
44. Elzupir, AO; Idriss, Hajo; **Ibnaouf, KH**; Spectral and ASE properties of an amino chalcone 1-phenyl-3-[4-(1-pyrrolidinyl) phenyl]-(2E)-propen-1-one *Optical and Quantum Electronics* 52 3 139 **2020**
45. Abdulkadir, Bashir Abubakar; Ojur Dennis, John; Al-Hadeethi, Yas; Shukur, Muhammad Fadhullallah Bin Abd; Mkawi, Elmoiz Marghni; Al-Harbi, Nuha; **Ibnaouf, Khalid Hassan**; Aldaghri, Osamah; Usman, Fahad; Abbas Adam, Abdullahi; Optimization of the electrochemical performance of a composite polymer electrolyte based on PVA-K₂CO₃-SiO₂ composite *Polymers* 13 1 92 **2020**
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47. **Ibnaouf, KH**; Elzupir, AO; Ibrahem, MA; Ali, MKM; Al-Muhanna, Muhanna K; Optical Characteristics and Structural Properties of 3-(p-Nitrophenyl)-5-phenyl-1 H-pyrazole *Journal of Electronic Materials* 48 861-866 **2019**
48. Elzupir, AO; Ali, MKM; Hussein, RK; Ibrahem, MA; Al-Muhanna, Muhanna K; **Ibnaouf, KH**; Molecular structure, frontier molecular orbital and spectral analysis of dimethylamino chalcones efficient lasing dyes *Journal of Molecular Structure* 1178 285-289 **2019**
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59. **Ibnaouf, KH**; Optical and amplified spontaneous emission from an efficient conducting copolymer (PFO-co-MEH-PPV) in solution Journal of Luminescence 192 707-712 **2017**
60. Ali, MKM; Elzupir, AO; Ibrahim, MA; Suliman, II; Modwi, A; Idriss, Hajo; **Ibnaouf, KH**; Characterization of optical and morphological properties of chalcone thin films for optoelectronics applications Optik 145 529-533 **2017**
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65. Lemine, OM; Bououdina, M; Alyamani, A; Omri, K; **Ibnaouf, K**; Ibrahim, MA; Alhathloul, R; Defect-induced room temperature ferromagnetism in mechanically milled nanocrystalline In₂O₃ powder *Materials Letters* 181 152-155 **2016**
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