

CURRICULUM VITAE

PERSONAL DATA

Name	Ghada Ahmad Khouqeer
Nationality	Saudi
Position	Assistant Professor at Imam Mohammad Ibn Saud Islamic University
E-Mail	gkhouqeer@imamu.edu.sa
Phone	99304

EDUCATION

Year	Academic Degree	Institution
June 2016	PhD	University of Waterloo
Februar 2003	M.Sc.	King Saud University
October 1996	B.Sc.	King Abdul Aziz University
April 2016	Certified University Teaching CUT Program	University of Waterloo

WORK EXPERIENCE

Period	Position	Address
Dec.2018- June 2020	Vice-Rector for Knowledge Exchange and International Communication of King Abdullah City for Girls at IMSIU	Imam Mohammad Ibn Saud University (IMSIU), Riyadh, Saudi Arabia
Jan.2018 - Dec. 2018	Assistant Vice-Dean for Quality and Development Unit	Imam Mohammad Ibn Saud University (IMSIU), Riyadh, Saudi Arabia
June 2016 – Present	Assistant Professor	Imam Mohammad Ibn Saud University (IMSIU), Riyadh, Saudi Arabia
Sep. 2003 – June 2016	Physics Lecturer	Imam Mohammad Ibn Saud University (IMSIU), Riyadh, Saudi Arabia

RESEARCH INTERESTS

My current research areas of interest include radiation protections and safety, radiology techniques, material science; sensor technology for health and industrial monitoring, and thermal energy storage materials; and I hope to expand into neuroradiology as well as neurotechnologies and bionics.

PUBLICATIONS

- An Overview of the State of the Art and Challenges in the Use of Gelling and Thickening Agents to Create Stable Thermal Energy Storage Materials, by Rajendran Prabakaran, Palanisamy Dhamodharan, Anbalagan Sathishkumar, Paride Gullo, Muthuraman Ponrajan Vikram, Saravanan Pandiaraj, Abdullah Alodhayb, Ghada A Khouqeer, Sung-Chul Kim, *Energies*, 2023.
- A review: Recent advancements in sensor technology for non-invasive neonatal health monitoring, by Shivam Mishra, Ghada A Khouqeer, B Aamna, Abdullah Alodhayb, S Jafar Ali Ibrahim, Manish Hooda, Gaurav Jayaswal, *Biosensors and Bioelectronics: X*, 2023.
- Refined Automatic Brain Tumor Classification Using Hybrid Convolutional Neural Networks for MRI Scans, by Fatma E AlTahhan, Ghada A Khouqeer, Sarmad Saadi, Ahmed Elgarayhi, Mohammed Sallah, *Diagnostics*, 2023.
- Design of MEMS Capacitive Comb Accelerometer with Perforated Proof Mass for Seismic Applications, by Ghada Khouqeer *et. a.*, *Journal of King Saud University-Science*, 2023.
- Gamma rays induced modifications in the structural, optical and photoemission properties of PVA/TiO₂ nanocomposite films, by Basma A El-Badry, GA Khouqeer, MF Zaki, *Physica Scripta*, 2023
- Photoneutrons and Gamma Capture Dose Rates at the Maze Entrance of Varian TrueBeam and Elekta Versa HD Medical Linear Accelerators, by Ibrahim I Suliman, Ghada A Khouqeer, Fareed H Mayhoub, *Toxics*, Jan 2023
- Spectroscopic, electronic properties analysis for 2, 6-Bis (phenylamino)-4-(iminophenyl) benzoquinone molecule and molecular docking clarification for its anticancer activity detected by strong inhibition of NQO1 enzyme, by Faheem Abbas, Mohamed I Attia, Suzan K Alghamdi, Ghada A Khouqeer, Rageh K Hussein, *Journal of Molecular Structure*, 2023.
- Preparation and characterization of natural melanin and its nanocomposite formed by copper doping, by Ghada Khouqeer *et. al.*, *Nano Select Journal*, Oct 2022.
- Probing the Action of Screened Anticancer Triazole–Tetrazole Derivatives Against COVID-19 Using Molecular Docking and DFT Investigations, by Rageh K Hussein, Ghada Khouqeer, Ahmed M Alkaoud, Ahmed M El-Khayatt, *Natural Product Communications*, 2022
- Covalent Inhibition for SARS-CoV-2 M pro via Zinc Ion Transported by Hydroxychloroquine: Investigated by DFT, ADMET and Molecular Docking, by Rageh K Hussein, Ahmed M El-Khayatt, Ahmed M Alkaoud, Ghada A Khouqeer, Ahmed M Deghady, *Biointerface Research in Applied Chemistry*, 2022.

- Assessment of extremity occupational exposure at a nuclear medicine department, by Ghada Khouqeer, Journal of Radiation Research and Applied Sciences, Mar 2022.
- Theory and Applications of NMR Spectroscopy in Biomolecular Structures and Dynamics of Proteins, by Kousik Chandra, Abdul Hamid Emwas, Samah Al-Harhi, Zeyad Al-Talla, Dina Hajjar, Arwa Abdulaziz Makki, Ghada Khouqeer, Mariusz Jaremko, Royal Society of Chemistry, 2022.
- Synthesis of hybrid nanocomposites by sol-gel method and their characterizations, by N Ben Mansoura, G Khouqeerb, N Abdel Allb, J El Ghoula, Journal of Ovonic Research, 2022.
- Effect of oxygen annealing treatment on structural, optical and electrical properties of In doped ZnO thin films prepared by PLD technique, by Mourad, S., El Ghoul, J., Khettou, A., Mari, B., All, N. A., Khouqeer, G., ... & Khirouni, K., 2021.
- Synthesis and Characterization of Ni-Doped ZnO Nanoparticles for CO₂ Gas Sensing, by N Abdel All, J El Ghoul, G Khouqeer, Journal of Nanoelectronics and Optoelectronics, 2021.
- Structural, Optical and Magnetic Properties of (Al, Ni) Co-Doped ZnO Nanoparticles, by, J. El Ghoul, N. Abdel All, G. Khouqeer and M. S. Alshammari, 2021.
- Synthesis, Structural, Optical and Magnetic Properties of Ni Co-Doped ZnO:Al Nanoparticles, by J. El Ghoul, G. A. Khouqeer, Journal of Ovonic Research, Sep 2020.
- Monitoring The Levels of Radon and Toxic Elements Pollutants in Bottled Drinking Water, by Basma A. El-Badry, Tayseer I. Al-Naggar and Ghada A. Khouqeer, International Journal of Radiation Research, Sep 2019.
- 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.
- S .S .Al-Ghamdi , G. A. Al-Khouqeer, M.R.Baig Integrated Radon Measurements In King Saud University Girl's Residences Riyadh, Arab Gulf Journal of Scientific research (Bahrain),Vol 24. (2006).
- S. S. Al-Ghamdi ,G .A Al-Khouqeer, M.R.Baig "Indoor Radon Levels and Distribution in Occupied and Unoccupied Residential Buildings In Students' Campus at King saud University, Riyadh",Journal of king Saud University (2006).
- Indoor Radon levels and distribution in occupied and unoccupied residential buildings in student's campus at King Saud University, Riyadh, Saudi Arabia.
- Measurement of Radon concentration in student's residential buildings at King Saud University in Riyadh, MSc thesis, Nov 2002.