College of Science

Noor alhuda Ahmed AL Saqri
Associate Professor

CONTACT:

Phone: +9682412 2303

Email: nooralhuda@squ.edu.om

LinkedIn: https://om.linkedin.com/in/noor-alhuda-al-saqri-8919b32a

Pure: https://squ.elsevierpure.com/en/persons/noor-alhuda-al-saqri
Scopus: https://www.scopus.com/authid/detail.uri?authorId=55634019100

ORCID: https://orcid.org/0000-0002-6815-794X

QUALIFICATION SPECIALIZATION:

- **PhD in Semiconductor Physics:**

University of Nottingham

- **Master's in Experimental Condensed Matter Physics:**

University of Loughborough

PROFILE

Associate Professor of Physics at Sultan Qaboos University, I specialise in semiconductor defect spectroscopy and device reliability. My PhD (University of Nottingham, 2016) focused on DLTS of GaAs-based heterostructures, linking electrical traps to optoelectronic performance. I am part of the Semiconductor Group in the Department of Physics, which conducts research on semiconductor nanomaterials, solar semiconductor materials, renewable energy technologies, PV reliability, photonics, and plasmonics.

My work focuses on DLTS and C–V profiling of radiation-induced defects, GaSb/GaAs interfaces, and advanced solar cells.I also contribute to physics education research, curriculum development, and assessment of conceptual learning.I have published over 30 peer-reviewed papers, supervise graduate students, and collaborate internationally in III–V semiconductor research.

WORK EXPERIENCE

- **2022 - Present**
  Associate Professor, Physics Department, College of Science, SQU, Oman

- **2017-2022**
  Assistant Professor, Physics Department, College of Science, SQU, Oman

- **2013-2014**
  Teaching & Lab Demonstrator, School of Physics & Astronomy, University of Nottingham, UK

- **2010-2016**
  Lecturer, Physics Department, College of Science, SQU, Oman

- **2007-2009**
  Demonstrator, Physics Department, College of Science, SQU, Oman

RESEARCH INTERESTS

- **Semiconductor materials physics — III–V and related compound systems**
- **Defect spectroscopy and reliability engineering in nano-/micro-devices**
- **Structure–property links for photonic, electronic and solar-cell applications**
- **Physics Education**