

Natheer A. S. Algadri

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Work Experience

2020-now Assistant Professor- Physics Department, Isra University, Jordan.

2018-2020 Lecturer- Physics Department, Jordan University of Sciences and Technology, Jordan.

2010 - 2014 Lecturer - Physics Department, Umm Al-Qura University, Saudi Arabia.

2008 - 2010 Lecturer- Science Department, Jerash Private University, Jordan.

2005 Teacher Assistance - Physics Department, Jordan University of Sciences and Technology, Jordan.

2002- 2009 Teacher - Ministry of Education, Jordan.

Areas of Expertise

- General physics (1) (Classical Mechanics)
- General physics (2) (Introductory of Electricity and Magnetism)
- General physics for agriculture students
- General Physics (3) (For Medical Students)
- Practical physics (1)
- Practical physics for agriculture students
- Practical physics for medical students
- Radiation physics

Publication

Google Scholar: N A Algadri

Web:https://scholar.google.com.my/scholar?q=N+A+Algadri&hl=en&as_sdt=0,5

- **Algadri NA**, Ibrahim K, Hassan Z, Bououdina M (2017) Cost-effective single-Step carbon nanotube synthesis using microwave oven. Materials Research Express, 4 (8):1-11
- **Algadri NA**, Hassan Z, Ibrahim K, Bououdina M (2017) Effect of ferrocene catalyst particle size on structural and morphological characteristics of carbon nanotubes grown by microwave oven. Journal of Materials Science 52:12772-12782

- **Algadri, N. A.**, Hassan, Z., Ibrahim, K., & AL-Diabat, A. M. (2018). A High-Sensitivity Hydrogen Gas Sensor Based on Carbon Nanotubes Fabricated on Glass Substrate. *Journal of Electronic Materials*, 1-10.
- **Algadri, N. A.**, Hassan, Z., Ibrahim, K., & Bououdina, M. (2019). Effect Grinding of Graphite on Structural and Morphological Characteristics of Carbon Nanotubes Grown by Microwave Oven. In *Solid State Phenomena* (Vol. 290, pp. 122-126). Trans Tech Publications.
- Abubakar D, Ahmed NM, Mahmud S, **Algadri NA**. Properties of NiO nanostructured growth using thermal dry oxidation of nickel metal thin film for hydrogen gas sensing at room temperature. *Materials Research Express*. 2017 Jul;4(7).

Education

❖ **PhD**

Ph.D in Condensed Matter Physics (Sep 2014- May 2018)

University: University Sains Malaysia, Pulau Penang, Malaysia (QS Rankings#165)

Supervisor: Prof. Dr. Zainuriah Hassan

Thesis Title: Synthesis and characterization of carbon nanotube prepared using microwave oven for hydrogen gas sensing application

❖ **Master**

Master in Applied Physics (September 2004- June 2008)

University: Jordan University of Science and Technology, Jordan (THE Rankings#351)

❖ **BSc**

BSc in Physics (September 1997- June 2002)

University: University of Kufa, Iraq.

Attended Conferences

6th International Conference on Solid State Science and Technology (13-16 November 2017, Malaysia, Penang) “Effect grinding of graphite on structural and morphological characteristics of carbon nanotubes grown by microwave oven”

Workshops

- Workshop on Knowledge Transfer and Scientific Writing, 20th April 2016, USM OSA Student Chapter

- Confocal Raman Spectroscopy: Advanced Surface Characterization Technique for Material Science, 2-3 October 2017, Institute of Nano Optoelectronics Research and Technology (INOR) Universiti Sains Malaysia.
- International Symposium on LED and OLED Technology in Conjunction with the International Year of Light 2015 (ISOLED), Center for Research Initiatives (CRI) Natural Sciences, Universiti Sains Malaysia.

Awards

- Award for Excellent Achievement in Journal Publications, School of Physics, Universiti Sains Malaysia.

Technical skills

- Experience in Microsoft office (Word, PowerPoint, Excel.....).
- Experience in other software applications such as: Origen, Endnote, Image J, SketchUp, Mendeley, Visio and Magic plot.

Research Interests

- Solid State Physics, Nano-semiconductors
- Nano-technology.
- Raman spectroscopy
- UV-VIS spectroscopy.
- Gas sensors.
- Carbon Nanotube
- Graphene
- ZnO Nanorods.
- Materials purification.
- Photonic Materials and Devices

Carrier Objectives

To get a position of a researcher or lecturer in which I can put all my skills and knowledge and professional experience in the field of the modern Solid State physics and nanotechnology, and Development of laboratories for teaching students learn best to they can relate learning to their world, hence, the development of creative abilities and skills of students. I will be happy to continue working on any interesting problems in the fields of solid state physics and nanotechnology and with continue to publish the new scientific papers and patents.

Personal Details

Nationality	:	Jordanien
Date of birth	:	27, July, 1978
Marital Status	:	married
Mother languages	:	Arabic
Other languages	:	English

References

- 1- Prof. Hasan Mousa Al-Khateeb
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- 3- Omar Dyeb Zayed
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