

Curriculum Vita

Ali Shahin

Nationality: Syrian



Date of Birth: 1988

Current Place: Al-Nasyrieh – Dhi Qar – Iraq

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Marital Status: Married

Martial Status: Exempted

Current Job:

Lecturer – Technical Engineering College – Al-Ayen Iraqi University
AUIQ

⊕ Academic Qualification

1- **B.Sc. Physics – Al-Baath University, Syria (2005-2010)**

Grade: **very good – 77.01%**

2- **M.Sc. Electronics of Solid State (discontinue) – Al-Baath University, Syria (2010-2013)**

Thesis Title:

**Wireless Electricity Transmission by Using a Magnetic Inductance
Resonance Circuits**

3- **M.Sc. Laser Sciences and Its Applications – Higher Institute for Laser Research and Applications – Damascus University, Syria (2015-2017)**

Grade: **Excellent** – 85.86%

Fluorescence Spectroscopy of Protoporphyrin IX (PpIX) Based on Epithelial Tumor-like Optical Phantoms

4- **PhD. Laser Sciences and Its Applications** – Higher Institute for Laser Research and Applications – **Damascus University**, Syria (2018-2021)

Grade: **Honor** – 96.4%

Optical characterization of brain tissue – like optical phantom and their applications in medical physics

Job Experiences

University

▪ 2011-2012

Supervisor of **Electricity and Magnetism Lab** – Faculty of Sciences – Al-Baath University

▪ 2013-2015

Supervisor of **Medical Physics Lab** – Veterinary Faculty – Al-Baath University

▪ 2021-2024

1) **Medical Physics** – Preparatory Year of Medical Colleges – **Hama University & Damascus University, Syria**

2) **Medical Physics** – Veterinary Faculty – **Hama University, Syria**

3) **Medical Laser Devices and Their Technology & Laser-Tissue Interaction (Master Student)** – Higher Institute for Laser Research and Applications – **Damascus University, Syria**.

▪ 2022-2024

1) **Physics 1 & 2** – Engineering College – **Al-Rasheed International Private University for Science and Technology, Syria**

2) **Medical Physics** – Physical Therapy College - **Al-Rasheed International Private University for Science and Technology, Syria**

▪ 2024-up to now

Medical Laser System – Technical Engineering College – **Al-Ayen Iraqi University, Iraq**

Medical Electronic System – Technical Engineering College – **Al-Ayen Iraqi University, Iraq**

Scientific Research

- 1- Ali Shahin , Wesam Bachir, "**Broadband spectroscopy for characterization of tissue-like phantom optical properties**", *Polish Journal of Medical Physics and Engineering*, 23 (4), 2017
- 2- Ali Shahin, Wesam Bachir, Moustafa Sayem El-Daher, "**Determination of the optical properties of Intralipid 20% over a broad band spectrum**", *Photonics Letters of Poland*, 10 (4), 2018.
- 3- Ali Shahin, Wesam Bachir, Moustafa Sayem El-Daher, "**Optical characterization of tissue-simulating phantom components at 405nm**", *Photonics Letters of Poland*, 11 (4), 2019.
- 4- Ali Shahin, Wesam Bachir, Moustafa Sayem El-Daher, "**Polystyrene microsphere optical properties by Kubelka-Munk and diffusion approximation with a single integrating sphere system: a comparative study**", *Journal of Spectroscopy*, 2019.
- 5- Ali Shahin, Wesam Bachir, Moustafa Sayem El-Daher, "**Optical investigation of bovine white and grey matters in visible and near infrared ranges**", *Polish Journal of Medical Physics and Engineering*, 27 (1), 2021
- 6- Ali Shahin, Wesam Bachir, Moustafa Sayem El-Daher, "**Optical properties in the visible range of two different India ink used as biological phantoms**", *The European Physical Journal Applied Physics*, 93 (1), 2021.
- 7- Ali Shahin, "**Simple and accurate model of diffuse reflectance for two-layer medium mimics brain tissues based on diffusion approximation**" *Journal of Optics*, 53 (12) , 2023
- 8- Ali Shahin, "**Modeling of diffuse reflectance for a two-layered medium: a Monte-Carlo study**", *Results in Optics*, 15, 2024

Languages

Arabic (mother tongue)

English (very good)