

# Curriculum Vita

## Ali Shahin



**Nationality:** Syrian

**Date of Birth:** 1988

**Current Place:** Al-Nasyrieh – Dhi Qar – Iraq

**Mobile:** +963988165338

+9647876101908

**E-mail:** [ali.shahin88@yahoo.com](mailto:ali.shahin88@yahoo.com)

**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)