

Shahlaa Mundher Abd AL-Hussan

M. Science of Physics

Baghdad | +964 7740209593 | shahlamn91@yahoo.com, shahla@bauc14.edu.iq

Education

MA. SCIENCE OF SOLID STATE AND MATERIL PHYSICS | JULY 2016 | DYALA UNIVERSITY

Thesis:

Effect of Substrate Temperature on Structural and Optical Properties of Cu₂ZnSnS₄ (CZTS) Films Prepared by Chemical Spray Pyrolysis Method.

BA. SCIENCE OF PHYSICS | JUNE 2012 | BAGHDAD UNIVERSIT

Skills

- Microsoft Office.
- Work on laboratory devices (*Ultraviolet – Visible Spectroscopy, Thickness Measurement, Fourier transform infrared spectroscopy (FTIR), Autoclave, Incubator, Micropipettes, Spectrophotometer, Vortex mixer*).
- Work in scientific laboratories.
- Work on laboratory (physics [radiation, medical, general] and protection of radiation).

PUBLICATIONS

PAPERS PUBLISHED

1. Nabeel A. Bakr, Ziad T. Khodair and Shahlaa M. Abdul Hassan, " **Effect of Substrate Temperature on Structural and Optical Properties of Cu₂ZnSnS₄ (CZTS) Films Prepared by Chemical Spray Pyrolysis Method** ", Research Journal of Chemical Sciences, Vol. 5, Issue 10, pp. 51-61, October, **(2014)**, ISSN: 2231-606X.
2. Ahmed N. Abd , Shahlaa M. Abd Al Hussan and Duha M.A. Latif," **GREEN SYNTHESIS AND CHARACTERIZATION OF THE PREPARED ALOE VERA PLANT EXTRACT THIN FILM IN A SIMPLE CHEMICAL METHOD**", Plant Archives Volume 20 No. 1, **(2020)** pp. 2469-2472.
3. Shahlaa M. Abd Al Hussan, Ibrahim R. Agool and Ahmed N. Abd," **Improve the Performance of Porous Silicon for Solar Application by Imbedding of Aloe Vera Nanoparticle** ", TEST engineering and management, March - April **(2020)** ISSN: 0193-4120 Page No. 10420 – 10424.

4. Shahlaa M. Abd Al Hussan, Ahmed N. Abd and Nabeel A. Bakr," **zinc oxide nanoparticles and porous silicon quantum dot- based materials in photovoltaic devices**", TEST engineering and management, ISSN:01934120, May27,(2020).
5. Shahlaa M. Abd Al Hussan, Nabeel A. Bakr and Ahmed N. Abd," **Improve the performance of porous silicon for solar application by the embedding of lithium oxide nanoparticle**", IOP Conf. Series: Materials science and engineering 928(2020)072142.