



Ali Magdy Ali Dorgham

Physicist

CONTACTS

📍 Egypt, EL-gharbia, Tanta

📞 01001934402 – 01141885827

✉ alimagdy1@gmail.com

PERSONAL SKILLS

English: Very good (written & spoken).

Computer: Excellent (hard & soft).

Education

Bachelor of Science in Physics, Faculty of science,
Tanta University, 2004

Postgraduate

- M. Sc. in Science in Physics in the field Of Atomic Spectroscopy (2009)
Tanta University.
- PhD. in Science in Physics in the field of Solid State Physics (2018)
Tanta University

Experience

- Lecturer in Higher Institute Of Engineering & Technology (Tanta). Basic science department from 2019 until now.
- Demonstrator in the physics student laboratory of faculty of science, Tanta University from 2005 – 2008.
- Assistant Lecturer at High Institute of Comprehensive Occupations in Libya, 2009 – 2011
- Researcher in Solid State Laboratory, Physics Department, faculty of science, Tanta University, 2013 – 2018.

Activities

- Training in Atomic Energy Authority in Egypt 2003.
- Training in Atomic Spectroscopy Laboratory, National Research Center, El-Dokki, Cairo, Egypt, from 2005 to 2006.
- Researcher in Atomic Spectroscopy Laboratory, Physics Department , faculty of science, Tanta University, in cooperation with Atomic Spectroscopy Laboratory in the National Research Center, El-Dokki, from 2006 to 2008.
- Participation in the Second International Conference on Nanotechnology and its Applications, South Valley University, 2015



Authored Books

- Fundamentals Of General Physics (I)
- Fundamentals Of General Physics (II)
- Physics (I) – Lab Experiments manual
- Physics (II) – Lab Experiments manual
- Electrical & Magnetic Materials
- Engineering electromagnetics

Publication

- A research entitled "Structural Properties of PZT Prepared by Tartrate Precursor Route" at [The International Conference of Nanotechnology, South Valley University, 2015.](#)
- A research entitled, "High piezoelectric properties of modified nano lead titanate zirconate ceramics", [Materials Chemistry and Physics 211 \(2018\) 1-8.](#)
- A research entitled, "The effect of Zr content on the thermal stability, dielectric and pyroelectric behavior for lead zirconate prepared by tartrate precursor method", [Applied Physics A \(2019\) 125-371.](#)
- A research entitled, "Characterization of excessive Sm^{3+} containing barium titanate prepared by tartrate precursor method" [Journal of Materials Research And Technology 2020; 9 \(6\) : 15214 – 15221.](#)
- A research entitled "Structural, optical, and thermal properties of PEO/PVP blend reinforced biochar" [Optical Materials 127 \(2022\) 112268](#)
- A research entitled "Effect of Methyl Cellulose "MC" on some Physical Properties of Nickel Magnesium Ferrite - MC Nanocomposite" [Arab J. Nucl. Sci. Appl., Vol. 55, 4, 16-28 \(2022\)](#)
- A research entitled "Structure, Morphology and Electrical/Magnetic Properties of Ni-Mg Nano-Ferrites from a New Perspective" [Nanomaterials 2022, 12, 1045.](#)
- A research entitled "A comparative study of optical vanadium antimony borate glass doped with spinel ferrite using structural, spectral, and electrical measurements" [Applied Physics A \(2022\) 128- 895](#)

- Structure and optoelectronic properties of ferroelectric PVA-PZT nanocomposites, [Optical Materials 138, April 2023, 113402.](#)
- Electron beam irradiation and carbon nanotubes influence on PVDF-PZT composites for energy harvesting and storage applications: Changes in dynamic-mechanical and dielectric ...[Inorganic Chemistry Communications, 151, May 2023, 110624](#)