



SHAYMAA MOHAMMAD ZAKI

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University Assistance Professor with a wide range of knowledge and experience looking to become an asset to a prestigious university in

EDUCATION

PhD in Physics Tanta University, Faculty of science, Egypt. 2010-2017

📖 Preparation and Study of Some Physical Properties of Ferroelectric /Ferrite Nanocomposites).

M.Sc in physics Tanta University, Faculty of science, Egypt. 2007-2010

📖 Structural Study and Physical Properties of Some Ferrites

B. Sc (Physics&Mathematics)

Alexandria University, Faculty of Science, Egypt. 1997-2001

Working EXPERIENCE

Lecturer Basic Sience Department

High Institute for Engineering and Technology 2020 till now

Lecturer Physics Department

Faculty of Science and literature Oqlat Elsoqur , Qassim University,
Saudi Arabia 2010-2018

Teaching Assistant

Faculty of Education, Alexandria University, Egypt. 2005-2007

Teaching Experience

➤ I have been teaching undergraduate students in physics and engineering for the last TEN years. The courses I have offered include:

- **General Physics I, II,III, High Institute for Engineering and Technology**
- **Mathematical Physics, Statistical Mechanics, Quantum Mechanics, Electromagnetic Theory, Theory of Relativity, Solid State Physics, PLASMA, Astronomy, Thermodynamics. Faculty of Science and literature Oqlat Elsoqur , Qassim University,Saudi Arabia**

- have also been an instructor for various Physics labs including: Mechanics Lab, Electromagnetic Theory Lab, Solid State Lab and Electricity and magnetism Lab.
- In addition, have supervised about thirty undergraduate projects both in theoretical as well as experimental physics.

Scientific Publication:

- 1- The strong role of incorporation of $\text{Co}_{0.3}\text{Mn}_{0.7}\text{Fe}_2\text{O}_4$ into methylcellulose for enhancing the coercivity.**
Journal of Magnetism and Magnetic Materials, Jul, 2022 561(10):169736
- 2. The role of flash auto-combustion method and Mn doping in improving dielectric and magnetic properties of CoFe_2O_4**
Applied Physics A , November 2020, 126(11)
- 3- Spectral properties of $[(\text{Ni}_{0.45}\text{Co}_{0.2}\text{Zn}_{0.35}\text{Fe}_2\text{O}_4)_{1-x}(\text{Sodium Acetylacetonate})_x]$ Nanocomposite.**
Open Journal of Applied Sciences, 2017, 7, 15-30
- 4- Electric and Magnetic properties of $[(\text{NCZF})_{1-x}(\text{Na (ac.ac)})_x]$ Nanocomposite**
Open Journal of Applied Sciences, 2016, 2165-3917
- 5- Spectral Studies Of Co Substituted Ni-Zn Ferrites**
Journal of Magnetism and Magnetic Materials, June 2011, 323, 11, 1445-1452

Training programs:

Quality Courses of The National Authority for Quality Assurance and Accreditation of Education "NAQAAE" been attended from 31 Jan to 2 March 2023:

- 1- Teaching Strategies For Faculties And Institutes Of Higher Education
 - 2- Exam Systems And Evaluation Of Learning Outcomes For Faculties And Institutes Of Higher Education
- **Workshop And Exhibition In Nanotechnology, Faculty of Science, Cairo University, 2011**
 - **Protein Crystallography And Drug Design, Faculty of Science, Cairo University, 2006**
 - **Language Certificates:**
English Language Program For Doctorate Candidates, Faculty of Education Tanta University, Egypt. (grades excellent)
 - **Computer Certificates:**
Computer Program FOR DOCTORATE CANDIDATES) Windows, Ms Office, photoshop, Faculty of Education Tanta University, Egypt. (grades excellent)

Personal Skills

- Capacity for leadership and direction.
- Communication skills.
- Ability to a working in group.
- Ability to solve problems and crisis management.
- Ability to achieve management objectives through optimum utilization of human and financial resources.
- Ability to make decisions.
- Flexibility and accept new ideas and the ability to persuade others.
- Capacity for development and creativity.
- Self-motivated, self-activated, efficient, a good organizer, accurate, and reliable.
- Working in a team with other students.
- Cooperative highly motivated to learn, displaying responsibility, of good character and determination.