

Shimaa Hassanein Shahat

Personal data:

Mobile / whatsapp: (+2) 01062180958

Phone (land line): 0132707534

E-mail: shimaahassanein@sci.asu.edu.eg
shimaahassanein11311@gmail.com

Job title: Physics teaching assistant

Nationality: Egyptian

Address: El-Qalyubia, Egypt

Date of birth: 11, March 1994

Marital status: Married

Affiliation: Faculty of Science, Ain Shams University, Cairo, Egypt

Field: Biophysics

Education:

- **M.Sc. in Biophysics (2024)**

Faculty of Science, Ain Shams University, Cairo, Egypt

Thesis Title:

Preparation and Characterization of Calcium Silicate/Hydroxyapatite Composites for Bone Repair

- **Pre-Master Studies (Medical Physics) – 2017**

Faculty of Science, Ain Shams University, Cairo, Egypt

- **B.Sc. in Physics (Biophysics Group) (2016)**

Faculty of Science, Ain Shams University, Cairo, Egypt

Graduation Grade: Very Good with Honors (84%)

Graduation Project: Water Level Sensor and Control System

Academic experience:

Teaching assistant :(June 2017-present)

Physics Department, Faculty of Science, Ain Shams University

- Assisting in undergraduate laboratory sessions and tutorials
- Participating in academic and administrative duties
- Supporting student learning and assessment activities

Publications:

Shimaa Hassanein, Ibrahim Hassan, Dina Salah, Mona Sayed, Salma M Naga," **Synthesis of Nano-Hydroxyapatite Powder from Trough Clam Shells (Mactridae) by Wet Precipitation Method for Biomedical Applications**", Egyptian journal of chemistry, DOI: 10.21608/EJCHEM.2023.236647.8647.

Skills:

- Teamwork and collaboration.
- Ability to work under pressure.
- Strong communication and interpersonal skills.

Language skills:

- Arabic :Native.
- English: very good.

Technical skills:

- Programming :**C++**, **MATLAB**
- Data analysis and visualization: **Origin**, **Image J**.
- Software: **MS Word**, **PowerPoint**, **Excel**.
- Strong communication and interpersonal skills.

Training:

- Al-Demerdash Hospital- 1week
- Nuclear & Radiological Regulatory Authority- 1 week
- Nasser Institute- 1 week
- Children's cancer hospital 57357 - 1 week
- Ain shams specialized hospital- 3 days

Workshops/conferences/schools:

- Practical Experience in Medical Physics Workshop – 3 days
- JESICS School: *Studies on Intelligence and Cognition* – 1 week
- International Nanotechnology Workshop, BUE – 1 day
- Workshop on Nanomaterials for Environmental and Biomedical Applications, Ain Shams University
- 7th & 9th Annual International Ain Shams University Conferences
- Multiple professional development programs (15 training hours each) at TD Center, Ain Shams University, including:
 - Scientific Writing
 - Effective Teaching
 - E-Learning & Microsoft 365
 - Scholarship Hunting
 - Student Evaluation & Assessment
 - Communication & Creative Thinking Skills
 - Use technology during teaching
 - Scholarly publishing in indexed journal

Referees

- **Prof. Dr. abdelstar salam**
Professor of Biophysics, Physics Department, Faculty of Science, Ain Shams University.
Email: abdelstar_salam@sci.asu.edu.eg/
- **Prof. Dr. Ibrahim Hassan Ibrahim**
Professor of Biophysics, Physics Department, Faculty of Science, Ain Shams University.
Email: i_mohamed@sci.asu.edu.eg/
- **Prof. Dr. Salma Mohamed Hussein Naga**
Professor of Ceramics and Building material, Inorganic Chemistry Department, National Research Institute.
Email: salmanaga@yahoo.com/
- **Assis. Prof. Dr. Dina Salah El din Mohamed**
Assistant Professor of Biophysics, Physics Department, Faculty of Science, Ain Shams University.
Email: dinasalah@sci.asu.edu.eg/