

# Curriculum Vitae

## Personal Informations:

- *Name : Aisha Omar Hussein*
- *Date of birth : 22/9/1985*
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## Professional Summary

Academic professional with a Ph.D. in Organic Chemistry and extensive experience in higher education. Expert in teaching undergraduate chemistry, conducting advanced research (DFT & Molecular Docking), and implementing quality assurance standards. Committed to academic excellence and administrative efficiency.

## Education

- **Ph.D. in Organic Chemistry** | Al-Azhar University 2026
- **M.Sc. in Organic Chemistry** | Al-Azhar University 2019
- **Diploma in Biochemistry and Physiology** | Suez Canal University | 2008–2009
- **B.Sc. in Special Chemistry** | Al-Azhar University | 2007–2008
  - *Graduation Project: Cement Chemistry (Grade: Very Good)*

## Professional Experience

**Associate Faculty Member** | **Higher Institute of Engineering and Technology, El-Tod, Luxor** *October 2012 – Present*

- Teaching core courses: Engineering Chemistry and Analytical Chemistry.
- Supervising laboratory sessions and conducting practical chemistry assessments.
- Contributing to departmental research and administrative tasks.

## Publications

- **Synthesis, Antimicrobial Evaluation, and Computational Investigation of New Triazine-Based Compounds via DFT and Molecular Docking**, *Scientific Reports*, 2025.
- **Synthesis and Reactions of 3-Amino-5,6-Dimethyl-1,2,4-Triazine: DFT Studies, ADME Assay, and Molecular Docking on the New 1,2,4-Triazine Derivatives as Anticancer Agents**, *ChemistrySelect*, 2024.
- **Synthesis and Anticancer Activity of Some Fused Heterocyclic Compounds Containing Pyrazole Ring**, *Polycyclic Aromatic Compounds*, 2020.
- **Synthesis of Some Novel Pyrazolopyrimidotriazepine, Pyrazolotriazolopyrimidine, and Pyrazolopyrimidotetrazine Derivatives**, *Journal of Heterocyclic Chemistry*, 2020.
- **Synthesis of New Pyrazolo [3,4-d]pyrimidine and Their Fused Heterocycles**, *International Journal of Advanced Research (IJAR)*, 2019.

## Professional Development & Training

- **Quality Assurance Standards in Higher Education** (معايير الجودة في التعليم العالي).
- **Financial and Legal Management in Academic Institutions** (الموارد المالية والقانونية).
- **Planning and Organization of Scientific Conferences** (تنظيم المؤتمرات العلمية).

## Technical & Personal Skills

- **Computational Chemistry:** DFT calculations (Gaussian), Molecular Docking (MOE).
- **Analytical Techniques:** IR, NMR ( $^1\text{H}$  &  $^{13}\text{C}$ ), and Mass Spectrometry interpretation.
- **Language Skills:** English (Very Good).
- **Computer Skills:** Proficient in Microsoft Office and academic software.
- **Soft Skills:** Strong communication, teamwork, adaptability, and ability to work under pressure.

## INTERESTS

- The ability to learn everything new development in the work.
- traveling, and reading books.