



Curriculum Vitae

PERSONAL INFORMATION

- **Name:** Taghreed Hassan Ahmed Yousuf Abdalla
- **Position:** Organic Chemistry Lecturer
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PROFESSIONAL PROFILE

An academic and researcher specializing in heterocyclic chemistry and polymer science, with a strong focus on the design and synthesis of functionalized macromolecules derived from natural polymers. Experienced in developing innovative polymeric systems integrated with heterocyclic compounds for advanced material applications. Demonstrates a solid background in experimental research, laboratory techniques, and materials characterization. Actively engaged in scientific research and publication with interest in sustainable materials and interdisciplinary applications in chemistry and biotechnology. Committed to contributing to academic excellence, research development, and the advancement of scientific knowledge within higher education institutions.

EDUCATION

PhD in Organic Chemistry

Faculty of Women for Arts, Science and Education, Ain Shams University
29 September 2025

M.Sc. in Organic Chemistry

Faculty of Women for Arts, Science and Education, Ain Shams University
30 December 2021

B.Sc. in Chemistry (Very Good with Honors)

Faculty of Women for Arts, Science and Education, Ain Shams University
May 2015



ACADEMIC APPOINTMENTS

Lecturer

December 2025 – Present

Assistant Lecturer

March 2022 – November 2025

Demonstrator

November 2016 – March 2022

Department of Chemistry (Organic Chemistry)

Faculty of Women, Ain Shams University

TEACHING EXPERIENCE

- Teaching undergraduate organic chemistry courses and practical laboratory sessions.
- Preparing examinations, assignments, and evaluating student performance.
- Supervising undergraduate students during practical laboratory work.
- Applying laboratory safety regulations and good laboratory practice.
- Supporting academic learning through laboratory demonstrations, mentoring, and practical training.

RESEARCH INTERESTS

- Organic synthesis
- Heterocyclic chemistry
- Schiff base chemistry
- Biopolymer applications
- Green synthesis
- Advanced spectroscopic characterization
- Novel and advanced intelligent nanomaterials

SELECTED PUBLICATIONS

Abdalla, T. H., Ibrahim, A. G., Elabbady, S., Nassar, E., Hamed, A. A., & Aboelnaga, A. (2025).

Chitosan-based Schiff base polymer derived from acetyl triazolyl uracil: Synthesis, characterization, evaluation of antimicrobial and antioxidant activities, and density functional theory calculations.

International Journal of Biological Macromolecules, 300, 140327.

<https://doi.org/10.1016/j.ijbiomac.2025.146544>

Ibrahim, A. G., **Abdalla, T. H.**, et al. (2025).

Synthesis and characterization of chitosan Schiff bases conjugated with chalcones.

International Journal of Biological Macromolecules, 321, 146544.

<https://doi.org/10.1016/j.ijbiomac.2025.140327>

Abdalla, T. H., Nasr, A. S., et al. (2022).

Fabrication of sustainable hydrogels-based chitosan Schiff base and their potential applications.

Arabian Journal of Chemistry, 15(1), 103511.

<https://doi.org/10.1016/j.arabjc.2021.103511>

Abdalla, T. H., Nasr, A. S., et al. (2021).

New modified chitosan composites and nanocomposites for different applications.

Journal of Scientific Research in Science.

<https://doi.org/10.21608/jsrs.2021.210669>

CONFERENCES ATTENDED

- 11th Annual Ain Shams University International Conference — May 2023
- 5th African Conference on Research in Chemistry Education — December 2022
- 9th Annual Ain Shams University International Conference — 2021
- Climate Change in an African Context – African Science Week — 2019

CERTIFICATIONS

- English Language Proficiency Test (Score: 600)
- Credit Hours and Academic Advising
- Scientific Writing
- Using Technology in Teaching
- Artificial Intelligence Applications in Education and Learning
- Fundamentals of Digital Transformation
- Scholarly Publishing in Indexed Journals
- Ethics of Scientific Research
- Leadership Preparation Program

PROFESSIONAL SKILLS

- Organic synthesis and purification techniques
- Laboratory safety and management
- Scientific writing and research methodology
- Academic advising and student mentoring
- Teamwork and collaboration
- Leadership
- Effective time management

COMPUTER SKILLS

- Microsoft Office (Word, PowerPoint, Excel)
- ChemDraw
- Origin
- EndNote
- Photoshop
- Scientific data analysis software
- Internet research and academic database search

LANGUAGES

Arabic: Native

English: Very Good

French: Good

German: Good