

Duaa Eliwa.

Curriculum vitae



Personal & Contact Details

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Scientific accounts:

- **Research gate:** [Duaa Eliwa \(researchgate.net\)](https://www.researchgate.net/profile/Duaa-Eliwa)
- **Google Scholar:** <https://scholar.google.com/citations?user=GqfdjycAAAAJ&hl=e>
- **Scopus ID :** 57221101293

Education

- Currently Associated professor in Pharmacognosy Department, Faculty of Pharmacy, University of Tanta, Egypt.
 - PhD (2021) in Pharmacy (Pharmacognosy) by Ph.D. channeled Scholarship in the National Center of Natural Products Research, School of Pharmacy, University of Mississippi, USA. Dissertation entitled “*Biological Evaluation and Microbial Transformation Studies of Some Alkaloids and Synthetic Drugs Containing Simple Isoquinoline or Benzylisoquinoline Nucleus*”.
 - M.Sc. (2015) in Pharmacy (Pharmacognosy) Dissertation entitled “*Microbial transformation of some Simple β - carboline alkaloids and microbial metabolites*” & B.Sc. (2007, Excellent honor) in pharmaceutical sciences, Faculty of Pharmacy, Tanta University, Egypt.

Professional and Academic Experience

- 2026- Present: Associated professor, Department of Pharmacognosy, Faculty of Pharmacy, Tanta University, Egypt.
- 2021- 2026: Assistant professor, Department of Pharmacognosy, Faculty of Pharmacy, Tanta University, Egypt.
- 2018-2020: Egyptian Government Ph.D. channeled Scholarship in the National Center of Natural Products Research, School of Pharmacy, University of Mississippi, USA
- 2008-2018: Assistant Lecturer, Graduate Teaching Assistantship, Department of Pharmacognosy, Faculty of Pharmacy, Tanta University, Egypt.
- 2007-2008: Pharmacist in a community pharmacy, Egypt.

• Awards

Best PhD Thesis Award 2021 in Tanta University.

Practical and Research Experience

- Isolation and purification of active constituents of different extracts using different chromatography techniques.
- Isolation and cultivation of microorganisms.

- Isolation, purification, structure elucidation, and determination of biological activity of secondary metabolites from promising organisms and microorganisms.
- Biological assays of antioxidant, antimicrobial, anti-inflammatory, anticancer activity of different compounds.
- Identification of the isolated compounds by different spectroscopic methods as ^1H and ^{13}C -NMR, 2D-NMR, IR, UV and HR-ESI-MS.
- Handling of experimental animals.
- Handling of equipment's such as HPLC, spectrophotometer, incubator, autoclaves, oven, water baths, shakers, centrifuges, laminar flow, light microscopes, and infrared instruments.

Very good experience in using structure drawing programs especially Chem Draw program

Areas of Special Interest

- Biotransformation of natural products into valuable chemicals and pharmaceuticals using two stage fermentation protocol.
- Natural products from endophytic fungi-Structure elucidation and biological activity.
- Phytochemical investigation of medicinal plants for purification, structure elucidation and biological activity of isolated pure compounds.

Training

- “NMR Training Program” from the National Center of Natural Products Research, School of Pharmacy, University of Mississippi, USA.
- International computer driving license (ICDL).
- Managing Time and Meeting, held at the International Center for Faculty and Leadership Development, Tanta University.
- Student Assessment and Evaluation, held at the International Center for Faculty and Leadership Development, Tanta University.
- International Publishing of Research, held at the International Center for Faculty and Leadership Development, Tanta University.
- Measuring what matters: A workshop on Designing Rubrics for performance based Assessment), Tanta University.

Organizational / managerial skills

Leadership responsible for a team of 60 people for organizing conferences in Tanta Pharmacy (2022).

Teaching Experience and Teaching-Related Activities

- Contribution to the preparation, teaching, and assessment (practical, oral and written examinations) of several courses (e.g., Medicinal plants, Pharmacognosy, Phytochemistry, Phytotherapy, Complementary and alternative medicinal therapies, Forensic and applied Pharmacognosy, Marine natural products) to undergraduate pharmacy students as well as clinical pharmacy students at the Faculty of Pharmacy, Tanta University, Egypt.
- Preparation, teaching, and assessment (practical, oral, and written examinations) of Pharmacognosy, Phytochemistry, Phytotherapy courses to undergraduate pharmacy students at the Faculty of Pharmacy, **Kafr El-Sheikh University**, Egypt.

- Activate e-learning course (Practical Medicinal Plants) for prepharmacy students.
- Supervising laboratory sessions to undergraduate pharmacy students as well as clinical pharmacy students at the Faculty of Pharmacy, **Tanta University**, Egypt.
- Preparation, teaching, and assessment (practical, oral, and written examinations) of Applied and forensic pharmacognosy, pharmacognosy1& 2, Phytochemistry 1 and 2, Phytotherapy and Aromatherapy courses for undergraduate pharmacy students at the Faculty of Pharmacy, **Menoufia University**, Egypt.
- Preparation, teaching, and assessment (written examinations) of Biotechnological Production of herbal Drugs course to undergraduate pharmacy students at the Faculty of Pharmacy, **New Mansoura University**, Egypt.

Administrative Positions

- Head of Graduate follow up Unit, Faculty of Pharmacy, Tanta University from 2026 till now.
- Member in Quality Assurance Unit, Faculty of Pharmacy, Tanta University from 2015 till now (Quality Management).
- Member in Graduate follow up Unit, Faculty of Pharmacy, Tanta University from 2021-2024.
- Member in Measurement and Assessment Unit, Faculty of Pharmacy, Tanta University from 2022 till now.
- Member of the council of the Department of Pharmacognosy Faculty of Pharmacy, Tanta University from July 2021 till now.
- Member of the student affairs unit in the Faculty of Pharmacy, Tanta University, Tanta, Egypt from 2024-2025.
- Climate Ambassador from 2025 till now.
- Ambassador of Governance and Digital Transformation from 2024 till now.