

Curriculum Vitae

Name: Marwa Elsayed Mohamed Hasan.

Nationality: Egyptian.

Birth date: 5th July 1987.

Home Address: 64 El-Bahr Street, Tanta, El-Gharbia governorate, Egypt.

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Degrees:

- Ph.D. degree in Pharmacognosy, Faculty of Pharmacy, Tanta University, (August 2026) on Substrate Specificity in Bioconversion of Anthraquinones".
- M.Sc. degree in Pharmaceutical sciences, (Pharmacognosy), Faculty of Pharmacy, Tanta University, (October 2015) on "A phytochemical and biological investigation of *Ipomoea carnea* ssp. *fistulosa* (Mart. ex Choisy) D. Austin growing in Egypt".
- B.Sc. in Pharmaceutical sciences, Faculty of Pharmacy, Tanta University, May 2009, excellent "Honor".

Language proficiency:

- **Arabic:** Mother Tongue.

- **English:** Excellent reading, writing & speaking.

Skills:

- Good command of computer sciences, having ICDL certificate.



Academic position:

- (February 2010 – October 2015): A teaching assistant at Department of Pharmacognosy, Faculty of Pharmacy, Tanta University.
- (October 2015 till August 2026): Assistant lecturer at Department of Pharmacognosy, Faculty of Pharmacy, Tanta University.
- (September 2026 till Now): lecturer at Department of Pharmacognosy, Faculty of Pharmacy, Tanta University.

Experience and Professional capabilities:

- **Teaching and academic communication:** Experienced in designing and delivering scientific seminars, practical classes, and tutorials for undergraduate pharmacy students.
- **Teaching experience:** Assisted in teaching Medicinal Plants, Pharmacognosy, Phytochemistry, and Applied Pharmacognosy courses.
- **Research and laboratory skills:** Experienced in laboratory-based pharmaceutical research, experimental work, scientific data analysis, and interpretation of analytical results.
- **Scientific presentation:** Experienced in preparing, organizing, and delivering scientific presentations and seminars, with strong skills in communicating scientific information clearly and effectively.
- **Quality assurance:** Member of the Quality Assurance Unit (QAU), contributing to faculty quality and accreditation activities since 2012.
- **Technical expertise:** Member of the University technical team responsible for the evaluation and procurement of spectroscopic instruments and laboratory equipment.

Research skills:

- **Phytochemical Research:** Proficient in the preliminary phytochemical investigation and systematic extraction of bioactive constituents from diverse plant organs using appropriate extraction methodologies.
- **Isolation and Purification of Natural Products:** Experienced in the fractionation, isolation, and purification of bioactive secondary metabolites from plant extracts through chromatographic techniques, particularly column chromatography.
- **Structural Characterization:** Skilled in the structural elucidation and characterization of naturally occurring and biotransformed compounds through the interpretation of advanced spectroscopic and spectrometric data.
- **Microbiological Techniques:** Experienced in the handling, cultivation, maintenance, and experimental utilization of microbial cultures in pharmaceutical and natural-products research.
- **Microbial Biotransformation:** Experienced in the biocatalytic transformation of plant-derived compounds into structurally modified and potentially valuable pharmaceutical and bioactive derivatives using controlled two-stage fermentation protocols.

Workshops:

-Attendance of many workshops in The Faculty and Leadership Development Project (FLDP) delivered by The International Center for Faculty and Leadership Development (IFLD).

- Organizing scientific conferences (July 2010).
- Credit hours system (February 2012).
- How to compete for a research fund (July 2014).
- Strategic planning (July 2014).
- Code of ethics (January 2015).
- Student assessment and evaluation (January 2015).
- Research team management (February 2025).
- Communication skills (February 2025).
- University administration course (August 2025).
- Use of technology in teaching (August 2025).
- International publishing of research (June 2026).
- Quality standards in teaching (June 2026).

-Participation of the " Strategic planning Workshop " in The Faculty of commerce delivered by Tanta University Quality Assurance Center (TQAC).

-University teacher preparation course (December 2016- January 2017).

-Fundamentals of digital transformation workshops (December 2025)

Publications:

- Publishing an original article on " Biotransformation-guided production of quinalizarin as an antibacterial agent against *Acinetobacter baumannii*" in Applied Microbiology and Biotechnology (AMB) (July 2026).
- Publishing an original article on "Cytotoxic, antioxidant and antimicrobial activities of *Ipomoea carnea* ssp. *fistulosa* (Mart. ex Choisy) D. Austin" in World Journal of Pharmaceutical Sciences (WJPS) (June 2015).