

Marian Wagdy Aziz, PhD

Lecturer at the Egyptian Chinese University (ECU)

(Pharmaceutical Chemistry Department)

A passionate researcher / Academic staff member with a Ph.D. in Pharmaceutical Organic Chemistry, specializing in medicinal chemistry, molecular modeling, drug design and complex organic synthesis. My academic and research experience includes the strategic design and synthesis of bioactive molecules, particularly anticancer and antihypertensive agents that qualified me with deep expertise in structure-activity relationships, reaction optimization, and catalytic methodologies. An organized and dependable candidate successful at managing multiple priorities with a positive attitude. Hand-working and passionate team work seeker with strong organizational skills and over 10 years of expertise eager to continuously participate in leading research outputs, mentor others, and engage with academic partners to drive impactful discoveries as well as enhance academic experience for both pre- and post-graduates.



Skills

- Academic Publication
- Project Supervision
- Academic Research
- Presentations
- Lesson Planning
- Online lectures
- Academic Writing
- Classroom Management
- Student Records Management
- Problem-solving abilities
- Time management abilities
- Multitasking



Contact

E-mail

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Software

Power Point

Excel

Word

Graphpad prism

Discovery studio

Endnote



Work History

2026-9 -
Current

Lecturer

Egyptian Chinese university, Cairo

2021-12 -
2026-9

Assistant Lecturer

Misr International University, Cairo

- Initiated and facilitated classroom discussions.
- Boosted students' critical thinking skills through active learning strategies and problem-solving activities.
- Developed strong rapport with students through clear communication, empathy, and genuine interest in their academic growth.
- Managed diverse classroom effectively by addressing individual needs and fostering inclusive learning atmosphere.
- Dispersed, collected and graded assignments to give detailed feedback.
- Evaluated student performance fairly by implementing varied assessment techniques, ensuring accurate knowledge measurement.
- Participated in professional development workshops to continuously improve teaching skills and stay current with industry trends.
- Enhanced student comprehension by utilizing various teaching methods and incorporating multimedia resources.
- Established positive relationships with students, parents, and fellow educators, promoting open communication channels for enhanced collaboration.
- Reviewed teaching activities and identified and implemented strategies to improve student learning outcomes.
- Maintained accurate records of student attendance, participation, assignments, and grades while adhering to strict confidentiality standards.
- Prepared and organized different teaching aids for use in classroom.
- Used PowerPoint and Google Classroom technology to give presentations to student classrooms.
- Collaborated with faculty and staff to create meaningful learning experiences.
- Created and designed quizzes, tests and projects to assess student knowledge.
- Used variety of learning modalities and support materials to facilitate learning process and accentuate presentations.
- Utilized distance learning technology to instruct students remotely.
- Conducted individual research projects to actively contribute to institution's research work.
- Participated in conferences and professional development opportunities to stay up-to-date with latest trends in field.
- Implemented instructional technologies in course delivery to engage and educate students.
- Created lessons and online testing materials to facilitate remote learning.

MestReNova



LabChart



Device experience

RotaVap



Infra-red spectroscopy



Nuclear magnetic resonance



High-Resolution Mass spectroscopy



HPLC



PowerLab



2014-09 -
2021-12

Teaching Assistant

Misr International University, Cairo

- Helped with grading assignments and tests, providing constructive feedback to students based on results.
- Supported classroom activities, tutoring, and reviewing work.
- Worked with teacher to optimize learning plans based on student test grades and evaluations.
- Completed daily reports on attendance and disciplinary performance.



Education

2025-09

Ph.D.: Pharmaceutical Organic Chemistry

Faculty of Pharmacy, Cairo University - Giza, Egypt

2021-08

Master: Pharmaceutical Organic Chemistry

Faculty of Pharmacy, Cairo University - Giza, Egypt

2014-07

Bachelor of Pharmacy: Pharmaceutical Science

Misr International University - Ismailia Desert Road, Egypt

- Degree Awarded with High Honor
- GPA 3.85

2009

High School

Notre Dame - Heliopolis, Egypt



publications

1- [Design, Synthesis and Assessment of new series of Quinazolinone Derivatives as EGFR inhibitors along with their cytotoxic evaluation against MCF7 and A549 cancer cell lines](#)

2-[Synthesis of potent vasodilating agents: in silico and in vitro evaluation of 6-\(4-substitutedphenyl\)-3-pyridazinone derivatives as potential hydralazine analogues](#)

3-[Effective scaffolds as antihypertensive agents, a long story with happy endings; a review tracing the promising reported candidates](#)

4-[Design, synthesis and characterization of novel pyridazin-3-one derivatives: in vitro vasorelaxant activity and in silico insights into eNOS modulation](#)



Languages

Arabic: Native language

English:

C2

Proficient

French:

B1

Intermediate



Accomplishments

H-index:3 (excl. self-citations)

Research interest score : 28.1

number of citations: 46

Elsevier Reviewer Hub membership



Certifications

Elsevier Reviewer Certificate

Nature Reviewer acknowledgement Certificate

HPLC training and Application for Quality Control
and therapeutic Drug Monitoring workshop
certificate

Molecular dynamics simulation and its application
in drug discovery workshop certificate

MUP pharmaceutical company training certificate



Courses taught

- 1- Organic Chemistry I
- 2- Organic Chemistry II
- 3- Medicinal Chemistry I
- 4- Medicinal Chemistry II
- 5- Medicinal Chemistry III
- 6- Drug Design
- 7- Computer Aided Drug design
- 8- Physical Chemistry
- 9- Chemistry for engineering



Administrative work

- 1- Exams Control work
- 2- Quality unit member
- 3- Responsible for the scientific contribution committee
- 4- Internal Evaluation Committee member (Quality assurance department)