



## CONTACT

+201005676905

dr.maiammar@gmail.com

Giza, Egypt

[www.linkedin.com/in/mai-ammam-279b17148](https://www.linkedin.com/in/mai-ammam-279b17148)

## EDUCATION

2021-2023

GERMAN UNIVERSITY IN CAIRO

- Philosophy of Doctorate Degree in Pharmaceutical Sciences (Magna Cum Laude)
  - Major: Pharmaceutical biology, Phytochemistry and Pharmacognosy

2018-2019

GERMAN UNIVERSITY IN CAIRO

- Master of Science Degree
  - Major: Pharmaceutical biology

2013-2018

GERMAN UNIVERSITY IN CAIRO

- Bachelor of Pharmacy
- GPA: 0.92 (German system)

2002-2013

SAINT JOSEPH LANGUAGE SCHOOL

- Thanaweya Amma
- Grade: 98.8%

1999-2002

PORTSAID LANGUAGE SCHOOL

# MAI AMMAR

LECTURER OF PHYTOCHEMISTRY AND PHARMACOGNOSY

## PROFILE

I am a devoted and skilled pharmacognosy lecturer with a background in both research and academia. I have a strong foundation in phytochemistry, natural product pharmacology, and medicinal plant science, and I'm dedicated to using cutting-edge research and creative teaching to advance the discipline of pharmacognosy. I have a strong desire to guide students and create a dynamic, cooperative learning atmosphere.

## WORK EXPERIENCE

Egyptian Chinese University, Cairo, Egypt 2024 - PRESENT

- Assistant Vice Dean for Postgraduate Studies
- Secretary of the Department Council

Egyptian Chinese University, Cairo, Egypt 2023 - PRESENT

Lecturer of Pharmacognosy and Phytochemistry

- Teaching:
  - Designing and updating the pharmacognosy curriculum to ensure it is current with scientific advancements.
  - Delivering lectures on various topics within pharmacognosy, such as the study of medicinal plants, phytochemistry, and natural product pharmacology.
  - Creating, administering, and grading exams, assignments, and lab reports to assess student learning and understanding.
  - Participating in quality assurance processes to maintain and improve the academic standards of the pharmacognosy program.
- Administrative work:
  - Organizing course schedules, managing course materials, and ensuring the smooth operation of pharmacognosy courses.
  - Serving on various academic and administrative committees within the institution, such as scheduling, quality control and training committees.
  - Organizing the students' registration system.

## SKILLS

---

- Project Management
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

## LANGUAGES

---

- Arabic (Native language)
- English (Fluent)
- French (Very good)
- German (Basics; A2)

## REFERENCES

---

Available upon request.

**Egyptian Chinese University, Cairo, Egypt** 2020 - 2023

### Assistant Lecturer

- Conducting and supervising laboratory sessions, ensuring that students understand the practical aspects of pharmacognosy, such as plant identification, extraction methods, and phytochemical analysis.
- Providing additional tutoring and academic support to students, helping them with difficult concepts, coursework, and preparation for exams.
- Assisting with the grading of assignments, lab reports, and exams, ensuring timely and accurate assessment of student performance.

**German University in Cairo, Cairo, Egypt** 2019 - 2020

### Assistant Lecturer

- Conducting and supervising laboratory sessions, ensuring that students understand the practical aspects of pharmacognosy, such as plant identification, extraction methods, and phytochemical analysis.
- Assisting with the grading of assignments and lab reports, ensuring timely and accurate assessment of student performance.

**German University in Cairo, Cairo, Egypt** 2018 - 2019

### Teaching Assistant

- Conducting laboratory sessions, ensuring that students understand the practical aspects of pharmacognosy, such as plant identification, extraction methods, and phytochemical analysis in the pharmacognosy department.
- Conducting laboratory sessions in the pharmacology department, ensuring that students have knowledge and skill in handling research animals including rats and frogs.
- Giving tutorial sessions covering the basics of clinical pharmacy for senior students.

**Pharmadynamics, Cairo, Egypt** 2018 - 2018

### Junior Research Executive

- Correctly gathering and logging data for experiments and research projects. guaranteeing the systematic and proper presentation of data.
- Use statistical software and techniques to analyze experimental data. analyzing data and writing reports based on conclusions.
- keeping thorough records of all experiments, procedures, and outcomes. ensuring that every documentation conforms to organizational and legal requirements.
- Helping to organize and carry out research initiatives. collaborating with team members to guarantee that project goals and schedules are fulfilled.
- Creating summaries of the status of ongoing research initiatives for internal and external stakeholders in the form of progress reports and presentations.

## PUBLICATIONS

---

- **Ammar, Mai K.**, Rasha S. Hanafi, Mouchira A. Choucry, and Heba Handoussa. 2023. 'Structural, Functional, Nutritional Composition and Analytical Profiling of Triticum aestivum L', Applied Biological Chemistry, 66: 48. <https://doi.org/10.1186/s13765-023-00804-3>
- Global Virtual Conference on Food and Nutrition (VirtualFood-2021): Comparative antioxidant activity of different wheat stages
- **Ammar, Mai K.**, Heba Handoussa, Rasha S. Hanafi, Mohamed El-Shazly, and Mohamed Z. Gad. 2020. 'Multivariate Approach for Optimization of Galactomannan Extraction from Seeds of Egyptian Trigonella Foenum-Graecum with Insights on Its Pharmacological Activities', Natural Product Research, 36: 2125-2128. <https://doi.org/10.1080/14786419.2020.1837817>

## PROJECTS

---

- **The Academy of Scientific Research and Technology (ASRT), Program of National Strategy for Biotechnology and Genetic Engineering, Egypt 2021-2025**  
"Innovation in Obesity Control via a Foodomic-based Wheat Profiling for Production of a New Supplement"

## PAPER REVIEW

---

- **Applied Biological Chemistry**
  - Identifying gram-positive and gram-negative pathogenic bacteria using Fourier transform IR spectroscopy and principal component analysis (Manuscript number: ABCH-D-24-00054R1)
  - Cow milk derived-fat inhibits the proliferation of liver cancer-cells (Manuscript number: ABCH-D-23-00285R1)
  - Chemical fingerprint analysis of fermented Morinda citrifolia L. (Noni) juice by UHPLC Q-TOF/MS combined with chemometric analysis (Manuscript number: ABCH-D-23-00233R3)
- **Planta**
  - Rethinking Underutilized Cereal Crops: Pan-Omics Integration and Green System Biology (Manuscript number: PLAA-D-23-00619)

## PERSONAL TRAINING

---

- **TechnoScient, Agilent Technologies, Authorized Distributor, January 2022**
  - Training course on: "Agilent GC-8890/MSMS-7010/Headspace-7697, including: hardware and software training on Mass Hunter (Acquisition, qualitative and quantitative analysis)
- **Nawah Scientific, March 2021**
  - High Performance Liquid Chromatography (HPLC) (Advanced Level)
- **Training and Development Center, Egyptian Chinese University, Egypt, July 2021**
  - Bioequivalence Guidelines and Bioanalytical Methods: Development and Validation
- **Egyptian Knowledge Bank in collaboration with Nature, February 2020**
  - Being an effective reviewer
  - Effective academic writing
  - Pre-submission strategies
  - Post-submission strategies
  - Logical manuscript structure
- **Training and Development Center, Egyptian Chinese University, Egypt**
  - Research Ethics, February 2021
  - Strategic Planning, November 2020
  - Learning Management System, October 2020
  - Quality Assurance System in Higher Education Institutions, September 2020
  - Academic Advising System, September 2020
  - Credit Hour System, September 2020
  - Objectives of Interviews, September 2020
- **Coursera**
  - Programming for Everybody (Getting Started with Python), 2020
  - Herbal Medicine, 2020 • Weight Management: Beyond Balancing Calories, 2020
- **Vifor Pharma**
  - Special Programs and Non-Interventional Studies, Pharmacovigilance/Safety Reporting; Vendor/CRO Training, August 2018