

Nermeen Farag Habib Farag

Assistant Lecturer

Pharmacognosy Department

Faculty of Pharmacy-Cairo University

Email: nermeen.farag@pharma.cu.edu.eg



Education:

Degree	Year	Percentage/GPA	Rank
MSc. of Pharmaceutical Sciences (Pharmacognosy), Faculty of Pharmacy, Cairo University.	February 2015		
Preliminary Master Courses (Pharmacognosy), Faculty of Pharmacy, Cairo University.	October, 2011	3.73	1 st /25
B. Sc. of Pharmaceutical Sciences, Faculty of Pharmacy, Cairo University.	May 2009	88.96% (Excellent with honor)	24 th /1650

Research interests:

- **Natural products isolation and structural elucidation** from plants, marine organisms and microbes using different chromatographic and spectroscopic techniques.
- **Large scale metabolomic analysis and bioinformatics data acquisition** using LC-, GC-MS, 1D- and 2D-NMR and chemometric methods (PCA, HCA) to identify metabolite pattern differences on the basis of changed properties.
- **New vibrational spectroscopic methods** in combination with sophisticated chemometric algorithms (NIRS, ATR-IR and Raman) for an efficient and mostly non-destructive determination of secondary metabolites occurring in different parts of various medicinal and aromatic plants.
- **Computational biology, bioinformatics and systems biology** to acquire a holistic understanding of how complex biological systems are operating.

Work and Teaching experience:

- **Assistant Lecturer** of Pharmacognosy (February 2015 till present): Faculty of Pharmacy, Cairo University (FOPCU).
- **M. Sc. Student** of Pharmacognosy (2011-2014): Faculty of Pharmacy, Cairo University
 - **Research:** A pharmacognostical study of *Chrysanthemum pacificum* Nakai, family Asteraceae
- **Teaching Assistant** (2010 till present)
 - Preparing and teaching laboratory sessions of phytochemistry and quality control of herbal drugs for undergraduate students at Cairo University.
 - Participating in most student-related activities; correction of quizzes and practical exams.
- **Administrative and communications assistant** (January-October, 2012): The International Relations Bureau, FOPCU
- **Community pharmacist** (2008-2009): Helpis pharmacy, Helwan, Cairo, Egypt

Professional skills:

Research skills:

1. **Isolation and purification of natural products** using different chromatographic techniques as column and High performance liquid chromatography.
2. **Qualitative and quantitative analysis of natural products in nutraceuticals** using HPLC, LC-MS/MS.
3. **Structural elucidation of natural products** using 1D, 2D NMR, MS, IR, UV.
4. **Analysis of metabolomic data sets** using Bruker Compass Data Analysis 4.0 software.

Language skills:

1. **Arabic: Mother tongue.**
2. **English: good command** (Academic IELTS Exam, Score: 6.5/9, Exam taken in Cairo on January 2015, TOEFL Exam, Score: 89/120, Exam taken in Cairo on February 2012, TOEFL Exam, Exam taken in Cairo on February 2011, Score: 613).

Computer skills:

Microsoft Office Word, Excel, PowerPoint, Chemdraw, Endnote and Adobe Photoshop.

Courses and workshops:

- 12/2014: Recent advances in natural products drug discovery and analysis "The Natural Products Center (Egypt) in partnership with the Leibniz Institute of Plant Biochemistry (Germany)"
- 2/2014: Systems biology: the way pharmacogenomics "Biotechnology Center, Faculty of Pharmacy- Cairo University"
- 10/2012: Joint seminar on Recent Advances in Natural Products and Biotechnology "The Natural Products Center, Egypt in partnership with the Institute of Natural Medicine, Japan, Faculty of Pharmacy- Cairo University"
- 9/2012: International publishing of scientific research "Faculty & Leadership Development Center (FLDC), Cairo University".
- 9/2012: Managing research teams "Faculty & Leadership Development Center (FLDC), Cairo University"
- 7/2012: Project management module "DAAD-Cairo"
- 6/2012: Writing a research proposal module "DAAD-Cairo"
- 2/2012: Communication and presentation skills "Faculty & Leadership Development Center (FLDC), Cairo University"

Honours/ Awards:

- 2012: Misr El Kheir Qualifying Program Scholarship
- 2009: Honorary graduation B.Sc. degree (24th /1650), Faculty of Pharmacy- Cairo University
- 2007: Certificate of Excellence from department of Pharmacology and Toxicology, Faculty of Pharmacy- Cairo University

Publications:

Nermeen F. Farag, Enas H. Abdelrahman, Shadia M. Azzam and El-Sayed A. El-Kashoury. **Protective effect of *Chrysanthemum pacificum* against CCl₄-induced injury on the human hepatoma cell line (Huh7).** Journal of Pharmaceutical Sciences and Research, 2015

Nermeen F. Farag, Mohamed A. Farag, Enas H. Abdelrahman, Shadia M. Azzam and El-Sayeda A. El-Kashoury. **Metabolites profiling of *Chrysanthemum pacificum* Nakai organs using UPLC-PDA - MS coupled to chemometrics.** Natural Product Research, 2015.

Conference Presentations:

- **4/2014: BioVisionAlexandria Conference**, The Center for Special Studies and Programs, Bibliotheca, Alexandria, Egypt.
Poster title: Metabolome classification of *Chrysanthemum pacificum* Nakai organs via UPLC-QTOF-PDA-MS and chemometrics.

References:

1. **Prof. Dr/ Nebal D. El-tanbouly**
 - Director of International Relations Bureau-Faculty of Pharmacy-Cairo University.
 - Ex-Consulate of Arab Republic of Egypt ,office of Cultural and Educational Affairs in Canada.
 - **Address:** Pharmacognosy Department, Faculty of Pharmacy, Cairo University, Cairo, Egypt.
 - **Email:** nebal.eltanbouly@pharma.cu.edu.eg
 - **Tel.: Mobile:** +20-122-2191449.
2. **Associate Prof. Dr/ Mohamed A. Farag**
 - Associate professor of Pharmacognosy-Faculty of Pharmacy-Cairo University.
 - **Address:** Pharmacognosy Department, Faculty of Pharmacy, Cairo University, Cairo, Egypt.
 - **Email:** mfarag73@yahoo.com
 - **Tel.: Mobile:** +20-1004142567.
3. **Associate Prof. Dr/ Ali M. El halawany**
 - Associate professor of Pharmacognosy-Faculty of Pharmacy-Cairo University.
 - **Address:** Pharmacognosy Department, Faculty of Pharmacy, Cairo University, Cairo, Egypt.
 - **Email:** ahalawany2003@yahoo.com
 - **Tel.: Mobile:** +966-532708319.
4. **Associate Prof. Dr/ Enas H. Abdelrahman**
 - Associate professor of Pharmacognosy-Faculty of Pharmacy-Cairo University.
 - **Address:** Pharmacognosy Department, Faculty of Pharmacy, Cairo University, Cairo, Egypt.
 - **Email:** ens_abdelrahman@yahoo.com.
 - **Tel.: Mobile:** +201002530205.