

Curriculum Vitae



Mona Farouk M. M. El-Neketi, Ph.D

<http://www.scopus.com/authid/detail.url?authorId=55779778700>

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<https://scholar.google.com/citations?user=rLpUdSYAAAAJ&hl=en>



1. CURRENT ADDRESS

Work address	Pharmacognosy Department, Faculty of Pharmacy, Mansoura University, Mansoura 35516 Egypt.
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2. PERSONAL DATA

Nationality	Egyptian
Place of Birth	Mansoura city, Egypt
Date of Birth	4/8/1975
Language	Arabic: mother language English: writing, Listening, and Speaking (Excellent) International TOEFL CBT and iBT German: Level A.2 (Basic knowledge)
Religion	Muslim
Marital Status	Married

3. EDUCATION

08/2008- 03/2015	Ph.D. in Pharmaceutical Science, Pharmacognosy Faculty of Pharmacy, Mansoura University, Mansoura, Egypt. Dissertation title: "Phytochemical and Biological Study of <i>Aglaia duperreana</i> and of <i>Ceratonia siliqua</i> Endophyte"
03/2000- 5/2008	M.Sc. in Pharmaceutical Science, Pharmacognosy Faculty of Pharmacy, Mansoura University, Mansoura, Egypt. Thesis title: "Pharmacognostical and Forensic Study of Certain Illicit Seizures of Narcotic Drugs Under International Control".
09/1993 - 05/1998	B.Sc. in Pharmaceutical Science Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (Degree very good with honor)

4. EXPERIENCE

Academic positions

- 04/2015 – present** **Lecturer** in Pharmacognosy Department, Faculty of Pharmacy Mansoura University, Mansoura, Egypt.
- 09/2011 – 07/2012** **Researcher** in the Institute of Pharmaceutical Biology and Biotechnology, Heinrich-Heine University, Düsseldorf, Germany
- 06/2008 - 03/2015** **Assistant lecturer** in Pharmacognosy Department, Faculty of Pharmacy Mansoura University, Mansoura, Egypt.
- 12/1999- 06/2008** **Demonstrator** in Pharmacognosy Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- 10/1998-12/1999** **Pharmacist** in Urology and Nephrology center, Mansoura University, Mansoura, Egypt.

Teaching Duties for: Graduate students:

Modern methods of spectroscopic analyses and their application in natural compounds identification and structure elucidation

Undergraduate students:

- 2015 - Present** **Quality assurance of Education**
Pharmacognosy and medicinal plants.
Phytochemistry (Chemistry of natural products).
Animal derived drugs
Complementary & Alterantive Medicine.
Pharmaceutical biotechnology (plant tissue culture and microbial biotransformation).
For both Credit Hour and Clinical Pharmacy Students Programs,
 Pharmacognosy Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- 12/1999 - 2015** **Phytochemistry** (Labs, Third year pharmacy students)
Pharmacognosy (Labs, medicinal plants for first year pharmacy students)
Applied Pharmacognosy (Labs, for fourth year pharmacy students)
Plant (Labs, General botany and morphology for pre-pharmacy year students)
Clinical Pharmacy program (Labs, **Phytochemistry1** “PG 404” and **Phytochemistry 2** “PG 505)
 In Pharmacognosy Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.

Employment and responsibilities

10/2017- till present **EPSF- mansoura Supervisor:** Egyptian Pharmaceutical Students' Federation Supervisor" in Mansoura University- faculty of pharmacy-

Quality Assurance Activities

- 2015-present** Vice chairman of quality assurance and accreditation unit (QAU), Faculty of Pharmacy, Mansoura University (from 13 /10/ 2015).

Accredited Internal Reviewer of Mansoura University (from March 2016).
A member in Internal Auditing Committee, Faculty of Pharmacy,
Manosura University (from March 2016).

April / 2015- present A member in the e-learning unit "responsible for updating the faculty as well as the pharmacognosy department website", Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.

2006- present A member in "Quality assurance and accreditation unit (QAU), Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.

2006- 2009 Participant in the faculty development centers (Faculty of Pharmacy, Mansoura University, Mansoura, Egypt), responsible for the following projects:
1. Monitoring & Evaluation of New Programs Project (**MENPP**),
2. Continuing Improvement and Qualifying for Accreditation Project (**CIQAP**)

2001-Present A member in the team responsible for registering student records in exams and preparing their final results, faculty of pharmacy, Mansoura University.

Research Skills

- Endophytic fungi; from their isolation from plants, cultivation on different media, extraction of culture media, till isolation and structure elucidation of the bioactive secondary metabolites from the fermentation media extract.
- Isolation and purification of natural products secondary metabolites from plant extracts using different chemical and chromatographic techniques Via, VLC, C.C, preparative TLC, HPLC..etc
- Phytochemical screening of different plant extracts.
- Microscopical examination of plant tissues.
- Structure elucidation of isolated compounds on the basis of spectroscopic (1D and 2D NMR) and spectrometric (mass) experiments.
- Processing of NMR data using MestReNova program.
- HPLC experience (either semi-preparative or analytical HPLC), handling and running linked with computer system control data processing.
- Qualitative and quantitative estimation of narcotic drugs and forensic analysis.
- Handling experimental animals (mice, rats), blood withdrawal through retro-orbital plexus vein, and anesthesia as well as separation of serum.
- Biochemical analysis (ALT & AST determination using colorimetric methods).
- Histopathological investigations (especially for liver tissues) using different stains.

Computer Skills

UNESCO certified **International Computer Driving Licence certificate** (ICDL) which involve the followings: 1-Basic Concepts of Information Technology, 2-Using the Computer and Managing Files, 3-Word Processing, 4-Spread Sheets (Excel), 5-Database (Access), 6-Presentation (PowerPoint), 7-Information and Communication (Internet).

Research interests

- Bioassay-guided isolation of bioactive compounds from natural sources (Plants, Marine organisms as well as endophytic fungi, as a promising source for bio-pharmaceuticals).
- Induction of bioactive secondary metabolites production by endophytic fungi through co-culture with bacteria.
- Structure elucidation of isolated compounds on the basis of spectroscopic (1D and 2D NMR) and spectrometric (mass) experiments.

Research Projects

"Hepatoselective Fibro-suppressive Agents from Natural Products, Farid Badria, Mona El-Neketi, *et al.*..... Funded by U.S.-Egypt Joint Board of Scientific and Technology Cooperation, 2003-2007.

Training Courses and Programs

Technical Training Courses / Workshop

- "Draft Work Program for HORIZON 2020", a workshop held at faculty of medicine, Mansoura University, on 7/11/2017
- "How to present Scientific Papers", a module presented by "DAAD Kairo Akademie", held at the Faculty of Pharmacy, Mansoura University, on 17/9/2015
- "Hands Basic Techniques in cell culture", held at the Medical Technology Center, Medical Research Institute, Alexandria University, (8-10/11/2009).
- Finding funding and writing winning proposal: an overview of the grants arena; Mansoura University; (6/6/2009).
- Video workshop entitled: "How to Write a Competitive Proposal for Framework 7"; Mansoura University; (20/5/2009).
- "NMR for Non- spectroscopists" Part II "FT NMR and 2D-Domain" Faculty of Pharmacy, Mansoura University, (10-11/9/2008),
- "Basics in NMR for non-spectroscopists (from scratch);, Faculty of Pharmacy, Mansoura University (8/2008).
- Microsoft Expression Web Program, Faculty of Pharmacy, Mansoura University (8/2008).
- Basic Life Support Course, Faculty of Pharmacy, Mansoura University (7/2007)
- Clinical pharmacology courses, Mansoura University (7/2006).
- Student Skills Development Program; Cairo University, Egypt; (12/2006). Including the following sessions: Pharmaceutical Marketing, Presentation skills, CV writing, Interviewing skills, Leadership, communication skills, Patient counseling, Emotional Intelligence, Egyptian Career Path and self-Planning.
- Training in Mansoura City Public Pharmacies (1996, 1997).
- Patient Counseling Event, Faculty of Pharmacy, Mansoura University (1997).

Quality Improvement and Skills Development Training Programs at:

Faculty and Leadership Development Center (FLDP)/ University development Center/ Mansoura University:

- Design and Production of Electronic Courses (13-14/8/2017)
- Effective Crises Management (6/11/2016, sp. for Academic leaders)

- Financial Affairs (2/11/2016, sp. for academic leader)
- How to Write a Scientific Paper (11-12/7/2016)
- Mangmening Research Teams (06-07/09/2015, 15 hr)
- University Management (01-02/07/2015, 15 hr)
- Credit hours system (25-26/8/2013, 15 hr)
- Competing for research funds (23-24/6/2013, 15 hr)
- Scientific publishing (16-18/9/2012, 15 hr)
- Conference organization, (FLDP); (2-4/8/2009, 15 hr).
- University Financial and loyal aspects, (FLDP); (21-23/6/2009, 15 hr)
- Micro teaching program, Mansoura University (27/12/2008-6/1/2009, 15 hr).
- Effective presentation skills, (FLDP); (20-22/7/2008, 20h).
- Methods for Scientific Research, (FLDP); (17-20/12/2006, 20 h).
- Effective Communication skills, (FLDP); (25-28/9/2005, 20 hr).
- Time mangement, (FLDP); (27-30/8/2005, 20 hr.).
- Thinking skills, (FLDP); (7-10/8/2005, 20 hr).

Training Programs at National Authority for Quality Assurance and Accreditation of Educational (NAQAAE) and Mansoura University Quality Assurance Center (MUQAC), Mansoura University, Mansoura, Egypt

- National Academic Reference Standards- Pharmacy Education 2nd Edition (20/4/2017).
- Protocols of external review visit: Applied course for HEI (29/2-03/03/2016, 24 hr)
- External Review for H.E Institutes (15/02-17/02/2016, 18hr.)
- Educational Programs and Course Specifications and Evaluation of Learning Outcomes (09/02-11/02/2016, 18hr.).
- Self-Evaluation for Higher Educational Institutes (02/02-04/02/2016, 18 hr.)

Others:

German Course, at volkshochschule, Düsseldorf (02/08/2010 – 17/01/2011) and at Heinrich-Heine University, Düsseldorf, Germany (01/06/2011 – 03/02/2012)

Conferences and Symposiums

13. The 3rd International Conference on New Horizons in Basic and Applied Science, "Tetrahydroanthraquinone Derivatives from the Mangrove-Derived Endophytic Fungus *Stemphylium globuliferum*" Hurgada, Egypt, Aug. 5-7, 2017 (Oral presentation); **best oral award.**
12. The Pharmacists' Skills Community: The Scientific Research 101 Program 2017: held at the Mansoura University August 2017; participation by: **oral presentation** "Research Aspects in Pharmacognosy"; as well as **a reviewer** for the students' abstract and their research project proposals.

11. Demo Pharmacy Training, held at Faculty of Pharmacy, Mansoura University, July, 2017, Lecture: "Pharmaceutical Preparations From Natural Sources".
10. The 1st International Conference of Pharmaceutical Sciences MU-PHARM, "Metabolites from the Fungal Endophyte *Aspergillus Austroafricanus* in Axenic Culture and in Fungal-Bacterial Mixed Cultures" Co-Cultivation—A Powerful Emerging Tool for Enhancing the Chemical Diversity of Endophytic metabolites, held at Faculty of Pharmacy, Mansoura University, 9-11 April, 2017 (Oral presentation).
9. The 5th International Conference of the Arab Society for Medical Research, "Metabolites from the Fungal Endophyte *Aspergillus Austroafricanus* in Axenic Culture and in Fungal-Bacterial Mixed Cultures ", under the patronage of The League of Arab State, held at Sharm El Sheikh – Egypt, 28-31 October, 2016 (Oral presentation).
8. The Green Chemistry: 3rd Conference of Pharmacognosy Department, "Methods to Induce Microbial Cryptic Metabolites", (Oral presentation) and "Plant Tissue Culture (PTC), a Fascinating Biosystem Technique in the Area of Green Chemistry" (poster presentation), Faculty of Pharmacy, Mansoura University, Egypt, 10th May, 2016.
7. The 1st PharmaSchool International Conference of Pharmaceutical Science, "Endophytic fungi: A Fascinating and Prolific Source of Bio-pharmaceutics" Faculty of Pharmacy, Mansoura University, Egypt, 15th&16th February, 2016 (Oral presentation).
6. The 2nd International Conference on New Horizons in Basic and Applied Science, "New Secondary Metabolites from *Penicillium citrinum*, an Endophyte Isolated From *Ceratonia siliqua* Plant" Hurghada, Egypt, Aug. 1-6, 2015 (presenting a poster).
5. The 1st International Conference on New Horizons in Basic and Applied Science, "Alkaloids and Polyketides from *Penicillium citrinum*, an Endophyte Isolated from *Ceratonia siliqua*", Hurghada, Egypt, Sept. 21-23, 2013 (presenting a poster), **best poster award**.
4. Complementary and alternative medicine, The 2nd Conference of Pharmacognosy Department "Magnet and Ozone: Examples For Alternative Medicine" (poster presentation), Pharmacognosy Department, Faculty of Pharmacy, Mansoura University (12/3/2009).
3. Nanotechnology, The 1st Conference of Pharmacognosy Department, "Enhanced bioactivity Of Natural Products by Nanotechnology Application", (poster presentation), Faculty of Pharmacy, Mansoura University (19/11/ 2008).
2. Herbal Medicine symposium; Faculty of Pharmacy, Mansoura University, Mansoura (3/2006).
1. The 2nd Annual International Conference on the Environment and Health Safety, "Heat Shock Protein (HSP 70): A Novel Biomarker for Narcotic and Hepatotoxic Agents", El-Mansoura, Egypt, Apr. 13-15 (2004).

Publications In Peer-Reviewed Journals

- 10 Sherif S. Ebada, Mona El-Neketi, Weaam Ebrahim, Attila Mándi, Tibor Kurtán, Rainer Kalscheuer, Werner E.G. Müller, Peter Proksch, "Cytotoxic secondary metabolites from the endophytic fungus *Aspergillus versicolor* KU258497", *Phytochemistry Letters*, **2018**, 24, 88-93. <https://doi.org/10.1016/j.phytol.2018.01.010>
9. Lisa Küppers, Weaam Ebrahim, Mona El-Neketi, Ferhat C. Özkaya, Attila Mándi, Tibor Kurtán, Raha S. Orfali, Werner E. G. Müller, Rudolf Hartmann, Wenhan Lin, Weiguo Song, Zhen Liu and Peter Proksch, "Lactones from the Sponge-Derived Fungus *Talaromyces rugulosus*", *Marine Drugs* **2017**, 15(11), 359; doi:[10.3390/md15110359](https://doi.org/10.3390/md15110359)
8. Andrei K. Whaley, Weaam Ebrahim, **Mona El-Neketi**, Elena U. Ancheeva, Ferhat Can Özkaya, Nina I. Pryakhina, Nadezhda U. Sipkina, Vladimir G. Luzhanin, Zhen Liu, Peter Proksch. New Acetylated Flavone C-Glycosides from *Iris lactea*. *Tetrahedron Letters*, **2017**, 58, 2171-2173.
7. Mariam Moussa; Weaam Ebrahim; **Mona El-Neketi**; Attila Mándi; Tibor Kurtán; Rudolf Hartmann; Wenhan Lin; Zhen Liu; Peter Proksch, "Tetrahydroanthraquinone derivatives from the mangrove-derived endophytic fungus *Stemphylium globuliferum*", *Tetrahedron Letters* **2016**, 57 (36), 4074-4078.
6. Weaam Ebrahim, **Mona El-Neketi**, Laura-Isabell Lewald, Raha S. Orfali, Wenhan Lin, Nidja Rehberg, Rainer Kalscheuer, Georgios Daletos, and Peter Proksch; "Metabolites from the Fungal Endophyte *Aspergillus austroafricanus* in Axenic Culture and in Fungal–Bacterial Mixed Cultures", *Journal of Natural Products*, **2016**, 79 (4), pp 914–922.
5. Hassan-Elrady A. Saad, **Mona El-Neketi**, Farid A. Badria (2015) "Forensic Analysis of a Confiscated Illicit Heroin Sample", *Trends in Chromatography* (Ref. No. RT/TX/110, In press)
4. Farid A. Badria, **Mona El-Neketi**, Hassan-Elrady A. Saad (2015) "Toxicity of Confiscated Illicit Opium and Heroin on Liver", *Current Topics in Toxicology....* (Ref. No. RT/TX/111, In press)
3. **Mona El-Neketi**, Weaam Ebrahim, Wenhan Lin, Sahar Gedara, Farid Badria, Hassan-Elrady A. Saad, Daowan Lai, Peter Proksch; "Alkaloids and Polyketides from *Penicillium citrinum*, an Endophyte Isolated from the Moroccan Plant *Ceratonia siliqua*", *Journal of Natural Products*, **2013**, 76, 1099–1104.
2. **Mona El-Neketi**, Weaam Ebrahim, Ngoc Tu Duong, Sahar Gedara, Farid Badria, Hassan-Elrady A. Saad, Werner E. G. Müller and Peter Proksch; "Cytotoxic Rocaglamide Derivatives from *Aglaia duppereana*", *Z. Naturforsch.*, **2013**, 68 c, 269 – 274.
1. Farid Badria, Hamdy Hassanein, **Mona El-Neketi** and Hassan-Elrady A. Saad; "Heat shock protein70 (HSP70): A Novel Biomarker for Narcotic Drugs and Hepatotoxic Agents"; *Mans. J. Pharm. Sci.*, 22(2), 138-148 (2006).

Book chapters and Reviews

4. **Chapter** in Book: Grand Challenges in Marine Biotechnology, Elena Ancheeva, **Mona El-Neketi**, Georgios Daletos, Weaam Ebrahim, Weiguo Song, Wenhan Lin, and Peter Proksch, " Anti-Infective Compounds from Marine Organisms". Springer Publisher, in press, **2018**.
3. **Chapter 8** in Book: Chemical Biology of Natural Products, Georgios Daletos, Weaam Ebrahim, Elena Ancheeva, **Mona El-Neketi**, Wenhan Lin, and Peter Proksch " Microbial Co-culture and OSMAC Approach as Strategies to Induce Cryptic Fungal Biogenetic Gene Clusters ", CRC Publisher, **2017**.
2. **Review article**: Georgios Daletos, Weaam Ebrahim, Elena Ancheeva, **Mona El-Neketi**, Weiguo Song, Wenhan Lind, and Peter Proksch " Natural Products from Deep-Sea Derived Fungi - a New Source of Novel Bioactive Compounds?", Current Medicinal Chemistry, **2018**, 25(2), 186-207. doi: 10.2174/0929867324666170314150121.
1. **Review article**: Elena Ancheeva, **Mona El-Neketi**, Weiguo Song, Wenhan Lin, Georgios Daletos, Weaam Ebrahim, and Peter Proksch, "Structurally Unprecedented Metabolites from Marine Sponges. Current Organic Chemistry, **2017**, 21, 426 – 449.