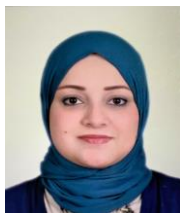


Miada Fouad Abdelwahab Mohamed, Ph.D.

PERSONAL INFORMATION



- 📍 Pharmacognosy Department, Faculty of Pharmacy, Minia University
- ☎ +20 1099442852
- ✉ mayada.mohamed2@mu.edu.eg

EDUCATION

- 19/03/2019 **Ph. D. in pharmaceutical sciences (Pharmacognosy)**
 - Entitled: “Cytotoxic secondary metabolites from endophytes and *Penicillium* sp.”
 - Faculty of Pharmacy, Minia University, Minia, Egypt
 - **Channel program** (10/2016 - 07/2018)
Heinrich-Heine University,
Institute of Pharmaceutical Biology and Biotechnology,
40225 **Düsseldorf, Germany**
Under supervision of **Prof. Dr. Peter Proksch**
- 30/06/2009 **Master of pharmaceutical sciences (Pharmacognosy)**
 - Entitled: “Pharmacognostical study of *Petrea volubilis* L., family Verbenaceae cultivated in Egypt”.
 - Faculty of Pharmacy, Minia University, Minia, Egypt
- 27/05/2004 **Bachelor of pharmaceutical sciences**
 - Faculty of Pharmacy, Minia University, Minia (Egypt)
(Excellent with degree of honour, 90.51%)

WORK EXPERIENCE

- 07/2024 – present **Associate professor** - Pharmacognosy Department -Faculty of Pharmacy
Minia University, 61519 Minia, Egypt
- 04/2019 – 06/2024 **Lecturer** - Pharmacognosy Department - Faculty of Pharmacy
Minia University, 61519 Minia, Egypt
- 09/2014 - 03/2019 **Teaching assistant** - Pharmacognosy Department - Faculty of Pharmacy,
Minia University, 61519 Minia, Egypt
- 10/2004 - 07/2009 **Demonstrator** - Pharmacognosy Department - Faculty of Pharmacy.
Minia University, 61519 Minia, Egypt

TEACHING EXPERIENCE

04/2019 - present

Participating in teaching the theoretical courses of:

- 1- Medicinal plants (1st semester students, Pharm D, Clinical Pharmacy)
- 2- Pharmacognosy 1 (2nd semester students, Pharm D, Clinical Pharmacy)
- 3- Pharmacognosy 2 (3rd semester students, Pharm D, Clinical Pharmacy)
- 4- Pharmacognosy 4 (2nd year students, General Pharmacy Program)
- 5- Phytochemistry 1 (4th year students, General Pharmacy Program)
- 6- Phytochemistry 2 (5th year students, General Pharmacy Program)
- 7- Phytotherapy (8th semester students – Clinical Pharmacy)

09/2014 - 03/2019

Participating in teaching the practical courses and laboratory tutorials of:

- 1- Applied pharmacognosy (Chromatography and Spectral analysis of natural products) for 4th year students, General Pharmacy Program.
- 2- Phytochemistry 2, for 5th semester students, Clinical Pharmacy Program.
- 3- Quality control, 6th semester students, Clinical Pharmacy Program.
- 4- Phytotherapy, 8th semester students, Clinical Pharmacy Program.

10/2004 - 07/2009

Participating in teaching the practical courses and laboratory tutorials of:

- 1- Pharmacognosy and Medicinal plants for 1st year students.
- 2- Pharmacognosy and Medicinal plants for 2nd year students.
- 3- Phytochemistry for 3rd year students.
- 4- General Pharmacognosy for 1st semester students, Clinical Pharmacy Program.
- 5- Pharmacognosy 1, 2nd semester students, Clinical Pharmacy Program.
- 6- Pharmacognosy 2, 3rd semester students, Clinical Pharmacy Program.
- 7- Phytochemistry 1, 4th semester students, Clinical Pharmacy Program.

PERSONAL SKILLS

Languages

Arabic, English, French

Job-related skills

Technical Experience:

- 1- Morphological study of medicinal plants.
- 2- Microscopical study and identification of medicinal plants.
- 3- Preliminary phytochemical screening of plant constituents.
- 4- Isolation and purification of fungal strains from different natural sources.
- 5- Extraction of the active compounds from plants / fungi.
- 6- Organic solvent fractionation of total plant / fungi extracts.
- 7- Separation and purification of active principles using various chromatographic methods (e.g., TLC, CC, GC-MS and HPLC).
- 8- Identification of natural products using different spectroscopic techniques such as UV, MS and 1D and 2D NMR.
- 9- Utilization of metabolomics in identification of new secondary metabolites
- 10- Biological investigation of total extracts, different fractions and pure isolated compounds to discover their therapeutic potential.

Computer skills

Good command of Microsoft Office™ tools, ChemDraw, MestReNova and EndNote

ADDITIONAL INFORMATION

- Research Interests**
- Isolation and structure elucidation of natural products.
 - Investigation of the biological activities of the isolated metabolites with the aim to discover new drugs.
- Memberships**
- Production manager in **JABPS** (Journal of Advanced Biomedical and Pharmaceutical Sciences) – since 12/2020
<https://jabps.journals.ekb.eg/>
- List of publications**
- <https://orcid.org/0000-0001-6597-0487>
- <https://pubmed.ncbi.nlm.nih.gov/?term=Miada+F+Abdelwahab>
- <https://www.researchgate.net/search?q=Miada%20F%20Abdelwahab>
1. Khalaf Mahmoud, B., **Abdelwahab, M.F.**, Alzahraa Mokhtar, F., Sayed, A.M., Zhang, J., Alsenani, F., Elsherief, H.A., Altemani, F.H., Algehainy, N.A., Lehmann, L. and Ramadan Abdelmohsen, U., **2025**. Phosphoinositide 3 - Kinase Inhibitors from *Gladiolus Segetum* Ker - Gawl Corms Supported by Network Pharmacology. *Chemistry & Biodiversity*, 22(1), p.e202401457.
 2. Maher Zahran, E., **Abdelwahab, M.F.**, Mohyeldin, R.H., Tammam, O.Y., Abdel - Maqsood, N.M.R., Altemani, F.H., Algehainy, N.A., Alanazi, M.A., Jalal, M.M., Elrehany, M.A. and Bringmann, G., **2024**. Combination of *Callyspongia* sp. and Stem Cells for Wound Repair and Skin Regeneration: in Vivo and in Silico Evidences. *Chemistry & Biodiversity*, 21(9), p.e202400682.
 3. Hagag, A., Abd El-Kader, A. M., **Abdelwahab, M. F.**, Ahmed, E. Farouk., Yahia, R., Ghanem, N., Abdel-Rahman, I. M., Fouad, M. A., Zahran, E. M., **2024**. Antibiofilm potential of 6-methoxymellein from geranium-associated *Aspergillus caespitosus* endophyte against clinical isolates of dermatophytes: Phytochemical, *in silico* and *in vitro* investigation. *South African Journal of Botany*, 167, 448-456
 4. Abu-Baih, D. H., Gomaa, A. A. R., Abdel-Wahab, N. M., Abdelaleem, E. R., Zaher, A. M. A., Hassan, N. F., ... & **Abdelwahab, M. F.**, **2024**. Apium extract alleviates indomethacin-induced gastric ulcers in rats via modulating the VEGF and IK-kB/NF-kB p65 signaling pathway: insights from in silico and in vivo investigations. *BMC Complementary Medicine and Therapies*, 24(1), 1-22.
 5. Sun, M., **Abdelwahab, M.F.**, Zhang, J., Samy, M.N., Mohamed, N.M., Abdel-Rahman, I.M., Alsenani, F., Abdelmohsen, U.R. and Mahmoud, B.K., **2024**. Cytotoxic metabolites from *Sinularia levi* supported by network pharmacology. *Plos one*, 19(2), p.e0294311.
 6. Abdelaleem, E.R., **Abdelwahab, M.F.**, Abdel-Wahab, N.M., Abu-Baih, D.H., Zaher, A.M.A., Altemani, F.H., Algehainy, N.A., Abdelmohsen, U.R., Bakhsh, H.T., Mokhtar, F.A. and Gomaa, A.A.R., **2024**. Apple extract protects against indomethacin-induced gastric ulcers in rats by suppressing oxidative stress–The implication of Nrf-2/HO-1 signaling pathway: In silico and in vivo studies. *Journal of Functional Foods*, 112, p.105926.
 7. Taher Mohie el-dien, R., Mahmoud, B.K., **Abdelwahab, M.F.**, Khedr, A.I., Kamel, M.S., Yahia, R., Mohamed, N.M., Zawily, A.E., Kamel, E.S., Salem, A.K. and Abdelmohsen, U.R., **2023**. *Paralemnalia thyrsoides*-associated fungi: phylogenetic diversity, cytotoxic potential, metabolomic profiling and docking analysis. *BMC microbiology*, 23(1), p.308.
 8. Abdel-Razek, M. A., **Abdelwahab, M. F.**, Abdelmohsen, U. R., & Hamed, A. N. **2023**. A Review: Pharmacological Activity and Phytochemical Profile of *Abelmoschus esculentus* (2010–2022). *RSC advances*, 13(22), 15280-15294.

9. Mustafa, A., El-Kashef, D.H., **Abdelwahab, M.F.**, Gomaa, A.A.R., Mustafa, M., Abdel-Wahab, N.M. and Ibrahim, A.H., 2023. Investigation of Antiviral Effects of Essential Oils. *Essential Oils: Extraction Methods and Applications*, pp.99-123.
10. Abdel-Razek, M.A., **Abdelwahab, M.F.**, Abdelmohsen, U.R. and Hamed, A.N., 2022. Pharmacological and phytochemical biodiversity of *Corchorus olitorius*. *RSC advances*, 12(54), pp.35103-35114.
11. Khalil, H.E., **Abdelwahab, M.F.**, Ibrahim, H.I.M., AlYahya, K.A., Altaweel, A.A., Alasoom, A.J., Burshed, H.A., Alshawush, M.M. and Waz, S., 2022. Cichoriin, a Biocoumarin, Mitigates Oxidative Stress and Associated Adverse Dysfunctions on High-Fat Diet-Induced Obesity in Rats. *Life*, 12(11), p.1731.
12. Khalil, H.E., **Abdelwahab, M.F.**, Ibrahim, H.I.M., AlYahya, K.A., Mohamed, A.A., Radwan, A.S. and Waz, S., 2022. Mechanistic Insights into the Ameliorative Effect of Cichoriin on Diabetic Rats—Assisted with an In Silico Approach. *Molecules*, 27(21), p.7192.
13. Khalil, H.E., **Abdelwahab, M.F.**, Emeka, P.M., Badger-Emeka, L.I., Ahmed, A.S.F., Anter, A.F., Abdel Hafez, S.M.N., AlYahya, K.A., Ibrahim, H.I.M., Thirugnanasambantham, K. and Matsunami, K., 2022. *Brassica oleracea* L. var. *botrytis* Leaf Extract Alleviates Gentamicin-Induced Hepatorenal Injury in Rats—Possible Modulation of IL-1 β and NF- κ B Activity Assisted with Computational Approach. *Life*, 12(9), p.1370.
14. Khalil, H.E., **Abdelwahab, M.F.**, Emeka, P.M., Badger-Emeka, L.I., Abdel Hafez, S.M.N., AlYahya, K.A., Ahmed, A.S.F., Anter, A.F., Abdel-Wahab, N.M., Matsunami, K. and Ibrahim Selim, A.H., 2022. Chemical Composition and Valorization of Broccoli Leaf By-Products (*Brassica oleracea* L. Variety: *Italica*) to Ameliorate Reno-Hepatic Toxicity Induced by Gentamicin in Rats. *Applied Sciences*, 12(14), p.6903.
15. Hagag, A., **Abdelwahab, M.F.**, Abd El-kader, A.M. and Fouad, M.A., 2022. The endophytic *Aspergillus* strains: A bountiful source of natural products. *Journal of Applied Microbiology*, 132(6), pp.4150-4169.
16. Khalil, H.E., **Abdelwahab, M.F.**, Emeka, P.M., Badger-Emeka, L.I., Thirugnanasambantham, K., Ibrahim, H.I.M., Naguib, S.M., Matsunami, K. and Abdel-Wahab, N.M., 2022. Ameliorative Effect of *Ocimum forskolei* Benth on Diabetic, Apoptotic, and Adipogenic Biomarkers of Diabetic Rats and 3T3-L1 Fibroblasts Assisted by In Silico Approach. *Molecules*, 27(9), p.2800.
17. Zahran, E.M., Sayed, A.M., **Abdelwahab, M.F.**, Albohy, A., Abdulrazik, B.S., Ibrahim, A.M., Bringmann, G. and Abdelmohsen, U.R., 2021. Identifying the specific-targeted marine cerebroside against SARS-CoV-2: an integrated computational approach. *RSC advances*, 11(57), pp.36042-36059.
18. Bakr, R.O., Tawfike, A., El-Gizawy, H.A., Tawfik, N., Abdelmohsen, U.R., **Abdelwahab, M.F.**, Alshareef, W.A., Fayez, S.M., El-Mancy, S.M., El-Fishawy, A.M. and Abdelkawy, M.A., 2021. The metabolomic analysis of five *Mentha* species: cytotoxicity, anti-Helicobacter assessment, and the development of polymeric micelles for enhancing the anti-Helicobacter activity. *RSC advances*, 11(13), pp.7318-7330.
19. El-Hossary, E.M., Abdel-Halim, M., Ibrahim, E.S., Pimentel-Elardo, S.M., Nodwell, J.R., Handoussa, H., **Abdelwahab, M.F.**, Holzgrabe, U. and Abdelmohsen, U.R., 2020. Natural products repertoire of the Red Sea. *Marine drugs*, 18(9), p.457. Induced secondary metabolites from the endophytic fungus *Aspergillus versicolor* through bacterial co-culture and OSMAC approaches - Tetrahedron Letters 59 (2018) 2647–2652
20. **Abdelwahab, M.F.**, Fouad, M.A., Kamel, M.S., Özkaya, F.C., Kalscheuer, R., Müller, W.E., Lin, W., Liu, Z., Ebrahim, W., Daletos, G. and Proksch, P., 2018. Tanzawaic acid derivatives from freshwater sediment-derived fungus *Penicillium* sp. *Fitoterapia*, 128, pp.258-264.
21. **Abdelwahab, M.F.**, Kurtán, T., Mándi, A., Müller, W.E., Fouad, M.A., Kamel, M.S., Liu, Z., Ebrahim, W., Daletos, G. and Proksch, P., 2018. Induced secondary metabolites from the endophytic fungus *Aspergillus versicolor* through bacterial co-culture and

OSMAC approaches. *Tetrahedron Letters*, 59(27), pp.2647-2652.

22. **Abdelwahab, M.F.**, Abdel-Lateff, A., Fouad, M.A., Desoukey, S.Y. and Kamel, M.S., **2011**. Phytochemical and biological study of *Petrea volubilis* L. (Verbenaceae). *Bulletin of Pharmaceutical Sciences. Assiut*, 34(1), pp.9-20.

Conferences **2024 - Minia Pharmacy Scientific Conference (MPSC 2024)**

Workshops **Attending and successfully completing the following workshops at the Faculty and Leadership Development Center (FLDC) in Minia University, Minia , Egypt:**

- 2024** - Organizing scientific conferences
- 2023** - Strategic planning
 - Fighting corruption
 - Dealing with students with special needs
- 2021** - Preparation of tests for medical sector
- 2020** - Preparation of electronic tests
- 2016** - Exam systems and students evaluation
- 2015** - Code of ethics in scientific research
 - Scientific publication
- 2008** - Effective presentation skills
- 2007** - Quality assurance and accreditation
 - Developing thinking and research skills
 - Effective communication skills
- 2005** - Research Methodology
 - Novel approaches for effective teaching
 - Use of technology for effective teaching

Attending and successfully completing the following workshops at the Information Technology Center (ITC) in Minia University, Minia , Egypt:

- 2024** - Databases Search and Reference Management (Endnote)
- 2023** - Designing of Personal Websites
- 2018** - Statistical Analysis using SPSS
- 2013** - Advanced Word processing
 - Advanced Powerpoint Processing

Attending the following workshops at Faculty of Pharmacy in Minia University, Minia , Egypt:

- 2024** - Recent Advances in Liquid Chromatography
- 2023** - Two-Dimensional NMR
 - Laboratory Safety