



Dalia A. M. Al-Mahdy 2022

Personal Information:

Name: Dalia Adel Mohamed Al-Mahdy
Current occupation: Assistant Professor, Pharmacognosy Dept., Faculty of Pharmacy, Cairo University
Date of birth: May, 1st, 1980
Address: Department of Pharmacognosy, Faculty of Pharmacy, Cairo University, Kasr El Ainy street, 11562 Cairo, Egypt
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Education:

- 6/ 2011 **Ph.D.** in Pharmacognosy, Faculty of Pharmacy, Cairo University, Egypt
- 11/ 2007 **M.Sc.** in Pharmacognosy, Faculty of Pharmacy, Cairo University, Egypt
- 5/ 2002 **B.Sc.** in Pharmaceutical Sciences “Excellent–Honor Grade”, Faculty of Pharmacy, Cairo University, Egypt

Work Experience:

- 8/2018- Present Assistant Professor, Department of Pharmacognosy, Faculty of Pharmacy, Cairo University, Cairo, Egypt
- 10/2011-8/2018 Lecturer, Department of Pharmacognosy, Faculty of Pharmacy, Cairo University, Cairo, Egypt
- 1/2008 -10/2011 Assistant Lecturer, Department of Pharmacognosy, Faculty of Pharmacy, Cairo University, Cairo, Egypt
- 12/2002-1/2007 Teaching Assistant, Department of Pharmacognosy, Faculty of Pharmacy, Cairo University, Cairo, Egypt

Postdoc Experience

- 9/2014-12/2014 Post-doc research fellow, Institute of Natural Medicine, University of Toyama, Toyama, Japan
- 8/2013-9/2013 Visiting Scientist, Leibniz Institute for Plant Biochemistry, Halle (Saale), Germany
- 9/2012-11/2012 Visiting Scientist, Engineering for Innovation Department, Salento University, Lecce, Italy

Teaching Experience:



Undergraduate Courses, Faculty of Pharmacy, Cairo University

- 2019-2021 Course Coordinator of Pharmacognosy-1 (PGC202) -PharmD Program (Clinical Pharmacy)
- 2019-2021 Course Coordinator of Pharmacognosy-1 (PG202) -PharmD Program
- 2006-2018 Pharmacognosy-1 (PG202) (Level One, Clinical Pharmacy Program)
- 2009-2013 Quality Control of Herbal Drugs (PG 606) (Level Three, Clinical Pharmacy Program)
- 2006-2011 Botany and Medicinal Plants (PG201) (Level One, Clinical Pharmacy Program)
- 2004- present Pharmacognosy-1 (202) (First year)
- 2004-2014 Botany and Medicinal Plants (201) (First year)
- 2008-2013 Natural Products and Quality Control (208) (Fifth year)
- 2005-2008 Pharmacognosy-2 (203) (Second year)
- 2002-2006 Applied Pharmacognosy course (Fourth year)
- 2002-2003 Pharmacognosy course (First year)

Postgraduate Courses, Faculty of Pharmacy, Cairo University

- 2018-present Course coordinator of Chromatographic Techniques (2203)-Masters Program in Pharmacognosy
- 2013- 2018 Chromatographic Techniques (2203)-Masters Program in Pharmacognosy
- 2012/2013 Plant Biosynthesis (2205)- Masters Program in Pharmacognosy
- 2007/2008 Quality Control of Medicinal Plants Diploma
- 2006/2007 Toxicology and Forensic Medicine Diploma

Administrative Work:

- Head of the International Student Support Office, Faculty of Pharmacy, Cairo University (ISSO-FOPCU) (2021-present).
- Coordinator of Student Activities (2021-present).
- Committee for Examination and Approval of Student dismissal cases and Finalization of Bachelor's Degree Graduation Requirements (2020 – present).
- Assistant to the Vice dean of student affairs and education (2016-2021).
- A member of the Student's academic support committee (2016-present).
- Academic advisor to clinical pharmacy program students and PharmD students (2012-present).
- Administrator of the biological assessment lab, Natural product research unit, Dept. of Pharmacognosy, Faculty of pharmacy, Cairo university (2016-2018).
- A member of the electoral committee for election of Cairo university's president (2013).
- Coordinator of Pharmacognosy department's research plan (2013-2015).



- An internal auditor at the Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University (2013-2015).
- A member of the organizing committee for Faculty of Pharmacy's Annual Scientific Conference, 2nd – 5th (2010-2014).
- A member of future voice committee for teaching assistants, Faculty of Pharmacy, Cairo University (2009-2011).
- A member of the website development committee, Faculty of Pharmacy, Cairo University (2009-2010).

Workshops and training courses:

- Interactive Electronic Courses, FLDC, Cairo University, Oct 2021.
- Specialized course in Quality Assurance, Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University, Oct 2021.
- JoVE Webinar: Bringing Text to Life, Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University, Oct 2021.
- Essentials of Integrated Education, FLDC, Cairo University, Aug 2021.
- Regulations of the 13th round for the promotion of faculty members in Egyptian Universities, Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University, Jan 2021.
- Assessment Gourmet, Electronic testing platform, Cairo University, Dec, 2020.
- 2020 Teaching Excellence in Pharmacy Education, Egyptian Knowledge Bank (EKB), Knowledge E, Accreditation Council for Pharmacy Education (ACPE), Apr-Nov, 2020.
- Experiential & Interprofessional Education for “2020 Teaching Excellence in Pharmacy Education”, Egyptian Knowledge Bank (EKB), Knowledge E, Accreditation Council for Pharmacy Education (ACPE), Nov, 2020.
- Blackboard Educational Platform Training, Cairo University, Oct, 2020.
- Assessment, Evaluation, and Continuous Quality Improvement for “2020 Teaching Excellence in Pharmacy Education”, Egyptian Knowledge Bank (EKB), Knowledge E, Accreditation Council for Pharmacy Education (ACPE), Oct, 2020.
- Financial and Legal Aspects of University Work, FLDC, Cairo University, Oct 2020.
- Egyptian Knowledge Bank and Resources, FLDC, Cairo University, Oct 2020.
- Measurement and assessment Methods and preparation of the test item (Health Sector), Center of Measurement and Assessment at the Higher Education Development Projects Administration Unit, Sep, 2020.
- Curriculum Approach & Delivery for “2020 Teaching Excellence in Pharmacy Education”, Egyptian Knowledge Bank (EKB), Knowledge E, Accreditation Council for Pharmacy Education (ACPE), Sep, 2020.
- Total Quality Management in Health Care (Medical Sciences Sector), FLDC, Cairo University, Sep 2020.



- Developing a Modern Competency Based Pharmacy Program for “2020 Teaching Excellence in Pharmacy Education”, Egyptian Knowledge Bank (EKB), Knowledge E, Accreditation Council for Pharmacy Education (ACPE), Jun, 2020.
- Critical Thinking, FLDC, Cairo University, May 2020.
- Foundations of Teaching Excellence in Pharmacy Education for “2020 Teaching Excellence in Pharmacy Education”, Egyptian Knowledge Bank (EKB), Knowledge E, Accreditation Council for Pharmacy Education (ACPE), April, 2020.
- Mendeley Citation Manager Software, Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University, Apr 2018.
- Patent System in the Pharmaceutical Field, Biotechnology Center (BTC), Faculty of Pharmacy, Apr, 2018.
- University Management, FLDC, Cairo University, Mar 2018.
- Decision Making and Problem Solving, FLDC, Cairo University, Oct 2017.
- Stress Management, FLDC, Cairo University, Aug 2017.
- Managing Research Teams, FLDC, Cairo University, Dec 2015.
- Recent Trends in Natural Products Drug Discovery and Analysis, Joint workshop between Faculty of Pharmacy and the Leibniz Institute of Plant Biochemistry, 2014.
- Interactive Lectures, DAAD-International Relation Bureau, Faculty of Pharmacy, Cairo University, 2014.
- Exams and Students Evaluation Systems, FLDC, Cairo University, May 2014.
- Competing for Research Funds, FLDC, Cairo University, Feb 2014.
- Communication and Rhetorical Techniques, DAAD-International Relation Bureau, Faculty of Pharmacy, Cairo University, Oct 2013.
- Internal Audit System for Quality Management according to requirements of the international system ISO9001/2008, Arab Co. for Engineering and Systems Consultations, Sep 2013.
- Team building for Team leaders, DAAD-International Relation Bureau, Faculty of Pharmacy, Cairo University, Apr 2013.
- From Active Learning to Learning by Research, collaborative project between Cairo University and University of Duisburg-Essen, 2013.
- International Computer Driving License "ICDL", 2011.
- International Publishing of Research, FLDC, Cairo University, Feb 2011.
- Credit Hour System, FLDC, Cairo University, Feb 2011.
- Organization of Conferences, FLDC, Cairo University, Aug 2009.
- Work Ethics, FLDC, Cairo University, Jul 2010.
- Quality Standards in the Educational System, FLDC, Cairo University, Feb 2009.
- Time Management, FLDC, Cairo University, Jun 2008.
- Training Course in “Gas Liquid Chromatography GLC”, 2008.
- Thinking Skills, FLDP, Cairo University, Sep 2006.
- Presentation Skills, FLDP, Cairo University, Aug 2006.
- New Trends in Teaching, FLDP, Cairo University, Aug 2006.
- Communication Skills, FLDP, Cairo University, Jul 2006.



- Training Course in “First Aid”, Medical Education Development Center, Faculty of Medicine, Cairo University, 2002.

Publications:

1. A. Youssef, **D. A. Al-Mahdy**, R. H. Sayed, M. A. Choucry and H. El-Askary, A Comprehensive Review of Natural Alternatives for Treatment of Alopecia with an Overview of Market Products, Journal of Medicinal Food, 2022.
2. Y.-L. Yang, **D. A. Al-Mahdy**, M.-L. Wu, X.-T. Zheng, X.-H. Piao, A.-L. Chen, S.-M. Wang, Q. Yang and Y.-W. Ge, LC-MS-based identification and antioxidant evaluation of small molecules from the cinnamon oil extraction waste, Food Chemistry, 2022, 366, 130576.
3. R. A. El-Shiekh, **D. A. Al-Mahdy**, M. S. Hifnawy and E. Abdel-Sattar, Biological and Chemical Assessment of *Ochrosia elliptica* Labill Leaves, Arabian Journal for Science and Engineering, 2020, 1-9.
4. S. E. Khaled, F. A.-M. Hashem, M. H. Shabana, A.-M. M. Hammam, A. N. A. Madboli, **D. A. Al-Mahdy** and M. A. Farag, A biochemometric approach for the assessment of *Phyllanthus emblica* female fertility effects as determined via UPLC-ESI-qTOF-MS and GC-MS, Food & function, 2019, 10, 4620-4635.
5. R. A. El-Shiekh, **D. A. Al-Mahdy**, S. M. Mouneir, M. S. Hifnawy and E. A. Abdel-Sattar, Anti-obesity effect of argel (*Solenostemma argel*) on obese rats fed a high fat diet, Journal of ethnopharmacology, 2019, 238, 111893.
6. S. Osama, M. El Sherei, **D. A. Al-Mahdy**, M. Bishr and O. Salama, Effect of Salicylic acid foliar spraying on growth parameters, γ -pyrones, phenolic content and radical scavenging activity of drought stressed *Ammi visnaga* L. plant, Industrial Crops and Products, 2019, 134, 1-10.
7. R. A. El-shiekh, **D. A. Al-Mahdy**, M. S. Hifnawy and E. A. Abdel-sattar, Pharmacognostical study of *Ochrosia elliptica* Labill. (Apocynaceae), Journal of Applied Pharmaceutical Science, 2019, 9, 049-057.
8. M. M. Nagy, **D. A. Al-Mahdy**, O. M. Abd El Aziz, A. M. Kandil, M. A. Tantawy and T. S. El Alfy, Chemical composition and antiviral activity of essential oils from Citrus reshni Hort. ex Tanaka (Cleopatra mandarin) cultivated in Egypt, Journal of Essential Oil Bearing Plants, 2018, 21, 264-272.
9. M. A. Farag, **D. A. Al-Mahdy**, A. Meyer, H. Westphal and L. A. Wessjohann, Metabolomics reveals biotic and abiotic elicitor effects on the soft coral Sarcophyton ehrenbergi terpenoid content, Scientific reports, 2017, 7, 1-11.



10. R. A. El-shiekh, **D. A. Al-Mahdy**, M. S. Hifnawy, T. Tzanova, E. Evain-Bana, S. Philippot, D. Bagrel and E. A. Abdelsattar, Chemical and biological investigation of *Ochrosia elliptica* Labill. cultivated in Egypt, Records of Natural Products, 2017, 11, 552-557.
11. W. Abdelmoez, E. Ashour, S. M. Naguib, A. Hilal, **D. A. Al Mahdy**, E. A. Mahrous and E. Abdel-Sattar, Kinetic and Thermodynamics studies for Castor Oil Extraction Using Subcritical Water Technology, Journal of oleo science, 2016, 65, 477-485.
12. M. A. Farag, **D. A. Al-Mahdy**, R. S. E. Dine, S. A. Fahmy, A. Yassin, A. Porzel and W. Brandt, Structure-Activity Relationships of Antimicrobial Gallic Acid Derivatives from Pomegranate and Acacia Fruit Extracts against Potato Bacterial Wilt Pathogen, Chemistry & biodiversity, 2015, 12, 955-962.
13. A. S. El Senousy, M. A. Farag, **D. A. Al-Mahdy** and L. A. Wessjohann, Developmental changes in leaf phenolics composition from three artichoke cvs. (*Cynara scolymus*) as determined via UHPLC-MS and chemometrics, Phytochemistry, 2014, 108, 67-76.
14. M. A. Farag and **D. A. Al-Mahdy**, Comparative study of the chemical composition and biological activities of *Magnolia grandiflora* and *Magnolia virginiana* flower essential oils, Natural product research, 2013, 27, 1091-1097.
15. T. S. El-Alfy, H. M. A. El-Gohary, N. M. Sokkar, M. Hosny and **D. A. Al-Mahdy**, A new flavonoid C-glycoside from *Celtis australis* L. and *Celtis occidentalis* L. leaves and potential antioxidant and cytotoxic activities, Scientia pharmaceutica, 2011, 79, 963.
16. T. S. M. El-Alfy, H. M. A. El-Gohary, N. M. Sokkar, S. A. El-Tawab and **D. A. M. Al-Mahdy**, Botanical and genetic characteristics of *Celtis australis* L. and *Celtis occidentalis* L. grown in Egypt, Bulletin of Faculty of Pharmacy, Cairo University, 2011, 49, 37-57.
17. T. S. E.-A. **Dalia Almahdy**, Hamida M.A. El-Gohary, Nadia M. Sokkar, Amani A. Sleem, Phenolic Constituents of *Platanus orientalis* L. Leaves, Natural product communications, 2008, 3, 199-203.
18. T. S. El-Alfy, H. El-Gohary, N. M. Sokkar and **D. A. Al-Mahdy**, Two novel acylated flavonol glycosides from *Platanus orientalis* L. leaves, Natural product communications, 2008, 3, 1899-1902.
19. T. S. El-Alfy, H. M. El-Gohary, N. M. Sokkar and **D. A. El-Mahdy**, A Pharmacognostical study of *Platanus orientalis* L. growing in Egypt, Bulletin of Faculty of Pharmacy, Cairo University, 2008, 46, 153-176.

Thesis:

1. **Dalia A. Al-Mahdy**. Ph.D. Thesis, A Pharmacognostical Study of *Celtis australis* L. and *Celtis occidentalis* L. cultivated in Egypt, Faculty of Pharmacy, Cairo University, 2011.



2. **Dalia A. Al-Mahdy**. Master Thesis, A Pharmacognostical Study of *Platanus orientalis* L. **Family Platanaceae cultivated in Egypt, Faculty of Pharmacy, Cairo University, 2007.**

Thesis Supervision:

1. Manar Tarek Abd Elrahman, A Phytochemical and Biological Study of *Sphagnetocola trilobata* (L.) Pruski [*Wedelia trilobata* (L.) Hitchc] Cultivated in Egypt, Master Thesis.
2. Ahmed M. Abou Sekkein, Chemical and biological study of *Tecoma stans* cultivated in Egypt, PhD Thesis.
3. Mariam O. Whadan, Quality Control & Standardization of Lemon Grass in context of its Genotype & Origin, Master Thesis.
4. Alaa Youssef, Development and Evaluation of Herbal Hair Formulation, PhD Thesis.
5. Sarah M. Osama, Chemical and Biological Evaluation of Bioactive Secondary Metabolites Isolated from Endophytic Fungi of *Hedera helix* L. Plant, PhD Thesis.
6. Sally E. Khaled, Phytochemical and biological studies of *Phyllanthus emblica* and *Ficus benghalensis* on female reproductive function in rats, PhD Thesis, 2019.
7. Riham A. El-shiekh, Assessment of some Medicinal Plants for Treatment of Obesity, Ph.D. Thesis, 2019.
8. Sarah M. Osama, Effect of Drought Stress and Salicylic Acid on Active Constituents of *Ammi visnaga* L., Masters Thesis, 2019.
9. Mai M. Nagy, A Pharmacognostical Study of *Citrus reshni* hort. ex Tanaka (Family Rutaceae) Cultivated in Egypt, Ph.D. Thesis, 2018.
10. Mohamed Sa. Abdel Hafeez, Phytochemical Assessment of Certain Biologically Selected Plants as Antidiabetic Drugs, Masters Thesis, 2018.
11. Riham A. El-shiekh, Pharmacognostical Study of *Ochrosia elliptica* Labill. Family Apocynaceae, Masters Thesis, 2015.

Conferences:

1. **The 10th International Scientific Conference, Faculty of Pharmacy Cairo University, July 6th- 7th, Attendance, (2021).**
2. Poster presentation entitled "Effect of Drought stress and Salicylic acid on active constituents of *Ammi visnaga* L." **5th International Scientific Conference of Pharmaceutical Sciences, Egyptian Pharmaceutical Society, Jan 28th -30th, 2019.**



3. Poster presentation entitled “Salicylic acid improving drought stress tolerance in *Ammi visnaga* L.” **4th International Scientific Conference of Pharmaceutical Sciences, Egyptian Pharmaceutical Society, Dec 23rd -24th, 2017.**
4. Poster presentation entitled “A Comparative Biological Study of Selected Traditionally Used Antidiabetic Drugs”. **The 1st International Pharma Conference (IPC 2017), Faculty of Pharmacy, Helwan University, Oct 1st-2nd, 2017.**
5. Poster presentation entitled “Pharmacognostical study of *Ochrosia elliptica* labill Family Apocyanaceae, growing in Egypt” **The 3rd FUE International Conference of Pharmaceutical Sciences, Feb 9th-11th, 2015.**
6. Poster presentation entitled “A Validated HPLC Method For Standardization of the Bioactive Stabilized Rice Bran Extract”. **The 3rd International Conference of Faculty of Pharmacy, Cairo University, Apr 25th-26th, 2012.**
7. **The 5th International Scientific Conference, Faculty of Pharmacy Cairo University, April 23rd - 24th, Attendance, (2014).**
8. **The 4th International Scientific Conference, Faculty of Pharmacy Cairo University, April 24th- 25th, Attendance, (2013).**
9. **XXXII Conference of Pharmaceutical Science, Egyptian Pharmaceutical Society, Attendance (2011).**

Funded Projects:

- Innovative Green Extraction Technology for Medicinal Plants. Funded by STDF-National Research Grants- Extraction Technologies for Medicinal and Aromatic Plants, ID 5767, 2014-2016.
- Bactericidal compounds from plants source against the bacterial pathogen *Ralstonia solanacearum*. Funded by the Alexander von Humboldt foundation, 2011-2013.
- Natural Anti-diabetic & Anti-Hypertensive Drugs (NAAN). Marie Curie International Research Staff Exchange Scheme (FP7 Project), 2009-2012.
- Rice Bran Nutraceuticals. Funded by the EU-Egypt Innovation Fund, RDI program, C2/S1/118, 2009-2011.
- Production of Pharmacologically Active Materials from Medicinal Plant Resources in Egypt. Funded by Cairo University, 2007-2010.

Awards:

- Certificate of Appreciation from the Faculty of Pharmacy, Cairo University in the 3rd week of excellence on the outstanding effort to improve the level of performance in faculty, 2011/2012.
- Award for the best PH.D. Thesis, Faculty of Pharmacy, Cairo University, 2011/2012.



Beacon of Pharmacy Education in Egypt and Regional District
Accredited from National Authority for Quality Assurance and Accreditation
of Education (NAQAEE)



- Certificate of Appreciation from the Faculty of Pharmacy, Cairo University in the 2nd week of excellence on the outstanding effort to improve the level of performance in faculty, 2010/2011.
- Prof. Abdel-Azim Hefny Saber Award and the Arab Company for Medicinal Plants (MEPACO) for the best Master Thesis in Pharmacognosy Department, Cairo University, 2007/2008.
- Exemplar Teaching Assistant of the year, Cairo University Staff Club, 2006/2007.

Language Skills:

- Arabic: Native
- Conversational and Written English: Fluent
- Conversational and Written French: Fair
- Conversational and Written Italian: Basic