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CURRICULUM VITA

Personal data:

- **Name:** **Dalia Ebrahim Ali Hamdan.**
- **Date of birth / Place:** August: 5, 1973/ El Menoufia.
- **Current Occupation:** Asso. Prof. of Pharmacognosy and Natural products, Faculty of Pharmacy, Menoufia University.
- **Address:** Faculty of Pharmacy, Menoufia University, Shibin elkom,32511, Egypt.
- **E-mail:** **dalia_hamdan@yahoo.com.**
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Education:

- B. Sc. Degree in Pharmaceutical science, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt, May 1996 (Excellent in Pharmacognosy and Phytochemistry).
- Master degree in Pharmacognosy and natural product 2002, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt. (Thesis title: A Pharmacognostical study and biological activities of *Atriplex inflata* F. Muell. Family Chenopodiaceae).
- Ph. Degree in Phytochemistry, Mars, IPMB Germany, 2009 (Thesis title: A Phytochemical study and biological activity of some *Citrus* species growing in Egypt).
- Associate Professor in Pharmacognosy and natural product chemistry 2017
- Vice dean of education and students affairs from student year 2017 till now



Academic Positions:

- 1997 - 2003: Demonstrator of Pharmacognosy and natural product chemistry, Faculty of Pharmacy, University of Zagazig, Zagazig, Egypt.
- 2003 - 2007: Assistant Lecturer of Pharmacognosy and natural product chemistry, Faculty of Pharmacy, University of Zagazig, Zagazig, Egypt.
- 2007-2009: Researcher as phytochemists in IPMB, Heidelberg Germany.
- 2009- 2016: Lecturer of Pharmacognosy and natural product chemistry, Faculty of Pharmacy, University of Zagazig, Zagazig, Egypt.
- 2016-Mai 2017: Lecturer of Pharmacognosy and natural product chemistry, Faculty of Pharmacy, Menoufia University, Shibin Elkom,32511 Egypt.
- 2017-till present: Associate Professor in Pharmacognosy and natural product chemistry, Faculty of Pharmacy, Menoufia University, Shibin Elkom,32511 Egypt.
- Vice dean of Education and students affair for University year 2017/2018 till now.

Skills and Languages

- **Languages:** Arabic: Native language,
English: Toefl: 215 computer based test.
German language: Speak well German language,



- **Computer:** ICDL certification, good user of Microsoft office programs (Sigmaplot, Masslynx and Mastic), internet, and operating systems
- **Other skills:**
- Teaching and laboratory experience for 5 years in Pharmacognosy and natural product chemistry.
- Very good experience on using different spectroscopic analyses, e.g. UV, IR, NMR, LCMS, GCMS, GC and Mass for identification of natural compound either volatile or non-volatile.
- Very good experience on performing analyses and compounds identification using HPLC, LCMS, GCMS and GC techniques.
- Very good experience in isolation and purification of natural product compounds using different chromatographic techniques.
- Course in Improvement Teaching Experience for university Teacher, Zagazig University, 2003.
- Course in Computer Sciences, MS-Dos, Windows, SPSS-Win, Faculty of Science, Zagazig University, 2001.
- Six training Courses in Faculty of Leadership Development Project-FLDP.
- Course in the interpretation of Mass spectroscopy in IPMB Germany, 2007.

Quality assurance experiences:

- Many training courses and workshops in the field of quality assurance for example:

No	Workshop	Lecturer	Date
1	National Academic Reference Standard	Dr. Amira Wally	15/3/2010
2	NARS and program specification	Dr. Nashwa Nafea	29/3/2010



3	Development of scientific research	Dr. Mouhey Hafez	12/4/2010
4	Support self-ability for students with specific needs.	Dr. Heba Ali and Dr. Nagwa Abd el hameed.	14/4/2010
5	Crisis management	Dr. Ahmed Refaat	17/4/2010
6	Using and updating data base	Dr. Atif Eraky	17/4/2010
7	Academic guiding	Dr. Mervat Askar	18/4/2010
8	Data base unit	Dr. Gada elmesalmy	20/4/2010
9	NARS for faculty of Pharmacy	Dr. Amira Wally	29/4/2010
10	Measurement of different administrative processes related to administrative org.	Dr. Marwa Abass	3/5/2010
11	Specify and measurement ILOS in studying course.	Dr. Amira Wally	13/5/2010
12	General overview on NARS (A)	Dr. Amira Wally	23/5/2010
13	Types of project and financial support introduced from university and foreign side.	Dr. Mohammed Sharaf	24/5/2010
14	Agenda for proposal writing	Dr. Amal El Badawy	30/5/2010
15	Entering and updating data base	Dr. Hany Elbasisy	31/5/2010
16	General overview on NARS (B)	Dr. Amira Wally	08/08/2010
17	Strategy planning		3/10/2010
18	ILOS and course specification	Dr. Nashwa Nafea	15/7/2010
19	Course specification and their matrices	Dr. Nashwa Nafea	2/8/2010
20	Course specification and their matrices	Dr. Dalia Hamdan	27/10 & 1/11/2010
21	Matrices and student assessments	Dr. Dalia Hamdan	5 &6/4/2011
22	Evaluation of ILOs	Dr. Sahar Elswefy	
23	Clinical pharmacy requirements	Dr. Osama Hassan	13/4/2011
24	Learning and educational methods	Dr. Heba Mohtady	
25	Medical records	Dr. Amer Adelraoof	25/2/2012
26	Institutional self-evaluation cycle of higher education institutions	National Authority	7:11/10/2012



27	Cycle Systems exams and student assessment	to ensure the quality of education and accreditation	21, 23/1/2013
28	Program description and maps of the curriculum of higher education institutions		21,22& 25,26/9/2013
29	Training of trainers		29:31/10/2013
30	Evaluating educational outcomes in the paper target test scores	Dr. Dalia Hamdan	18/11/2013
31	External audit institutions of higher education	NAQAA	17, 18/02/2014
32	Contributing to the presentation of a symposium entitled Herbal Medicine in Khudair Private School	Speaker Dr. Dalia Hamdan	19/12/2016
33	Self-Evaluation for H.E Faculties and Institutes	NAQAA	31/1-2/2/2017
34	Training program (Assessment development course)	By Prof Dr. Gehan Salah	13, 20,21/3/2017
35	Symposium in Herbal Medicine in cooperation with the community service and environmental development	Speaker Asso. Prof. Dalia Hamdan	16/5/2017
36	Human resources development program and scientific research skills.	Prof.Dr Asraf Zytoon	13 and 18/12/2017
37	The educational course of strategic studies and national security At the National Defense College	Nasser Military Academy	2-7/2/2018
38	Symposium on Herbal treatment and risks of random use. For Community service and environmental development	Speaker Asso. Prof. Dalia Hamdan	27/2/2018
39	Organizing the first cultural week of the Faculty of Pharmacy	Organizer with team work	18-22/3/2018
40	Organizing the integrated convoy to the Governorate of Oases	Providing medicines	10-12/4/2018
41	Workshop titled (Separation and Flash Chromatography solutions)	Faculty of Pharmacy Fayoum University	18/9/2018



42	Participation in the Seminar entitled Nutrition and Cancer diseases in Khudair Private School	Speaker Ass. Prof. Dalia Hamdan	6/11/2018
43	Arbitrator of the local exhibition of the governorate of Menoufia for Science and Engineering.	Member of judgement comity.	ISEF 2019
44	Active participation in the University Children's Program	Member of teaching team	During the academic year 2018/2019
45	Organization and upholding the first Student's Conference of the Faculty of Pharmacy.	Organizer with team work	16/04/2019
46	Organizing the first cultural week of the Faculty of Pharmacy	Organizer with team work	

- Member in the organizational structure of quality assurance unit.
- Member of educational programs, organizational structure and administrative organization.
- Course coordinator for 4th year students in clinical pharmacy program.
- Participating in organization committee for 7th graduation day in April 2010.
- Organization committee for 1st pharmacognosy department conference 17/3/2012.
- Councilor of Quality Assurance Students' projects (Improvement of the beauty of the internal and external environment of the college.
- Supervisor of fifth year students' project.
- Organization committee for 2nd pharmacognosy department conference 7/3/2013.



- Participating in organization committee for 9th graduation day in April 2013.
- Organization committee for 3rd pharmacognosy department conference 2014.

Member of the following committee:

- Member of the library committee in the Faculty.
- Member in the Quality Assurance unit in the Faculty.
- Member of Zagazig University Pharmacy Alumni Association.
- Member of Menuofia Syndicate of Pharmacist.
- Director of the Quality Assurance unit in the Faculty.
- Member of the Council of Education and Student Affairs from student year 2016/2017 till now.
- Head of the control team in the faculty of Pharmacy Menoufia University from student year 2016/2017 till now.
- Member of the founding members of the college.
- Head of Pharmacognosy and Natural products Department.

Research project:

Main member in the research project obtained from university (Title: **Citrus species: Isolation, Characterization and Discovery of Biologically Active Compounds.**)

Conferences:

- 28th international pharmaceutical science conference 17/12/2002.
- Excellence day of Zagazig University 2009/2010.
- Excellence day of Zagazig University 2010/2011.
- 1st scientific conference of Faculty of Pharmacy 28/4/2010 (honored for international publication).
- Zagaziy University Pharmacy Alumni Association 15 & 17/3/2012.



- 2nd scientific conference of Faculty of Pharmacy 20/3/2012 (honored for international publication).
- 3rd scientific conference of Faculty of Pharmacy 7/3/2013(Organizer)
- Excellence day of Zagazig University 2011/2012.
- Excellence day of Zagazig University 2012/2013.
- Excellence day of Zagazig University 2013/2014.
- Participating by Article entitled (Literacy of Pharmaceutical informatics is one of the fields of adult education in the digital age during the 16th annual conference entitled (Adult education in the digital age. The great Arab Challenge. At 16-18 April 2018 in Ain Shams University, Cairo.
- Oral presentation entitled (Cirus Sinensis var. Malesy: Chemical Profile, nephro and cardio-protective activities of Xanthyletin and Citracridone-1 isolated from dichloromethane fraction of the root. Delivered at the 1st international Pharmaceutical sciences conference (Drug Development from Benchside to Bedside 11th-12th Aug., Faculty of Pharmacy, Menoufia University, Egypt.
- Participation and attendance of the first international conference of the quality assurance center at Menoufia University entitled (Quality of Education and Entrepreneurship at 9-10/9/2018 in Menoufia University

Reviewer:

- Reviewer for Journal of Health and Environmental Science.

List of Publications:

1. Antihepatotoxic, anti-inflammatory, antimicrobial and chemical constituents of *Atriplex inflata* F. Muell., Abdel_Monem M. Ateya,



- Azza M. El-Shafae, Assem M. El-Shazly and **Dalia E. Hemdan**. Bull. Fac. Pharm. Cairo Univ., 43, 265-273 (2005).
2. Macro- and Micromorphology of *Atriplex inflata* F. Muell., Abdel_Monem M. Ateya, Azza M. El-Shafae, Assem M. El-Shazly and **Dalia E. Hemdan**. Zagazig J. Pharm. Sci. 11, 11-38 (2002).
 3. Chemical composition of the essential oils of two Citrus species and their biological activities, **Dalia Hamdan**, M. Z. El-Readi¹, E. Nibret¹, F. Sporer¹, N. Farrag, A. El-Shazly, M. Wink. *Pharmazie* 65: 141–147 (2010).
 4. Inhibition of P-glycoprotein activity by limonin and other secondary metabolites from Citrus species in human colon and leukaemia cell lines, Mahmoud Zaki El-Readi, **Dalia Hamdan**, Nawal Farrag, Assem El-Shazly, Michael Wink. *European Journal of Pharmacology* 626 (2010) 139–145.
 5. Chemical composition and biological activity of Citrus jambhiri Lush. **Dalia Hamdan**, Mahmoud Zaki El-Readi, Ahmad Tahrani, Florian Herrmann, Dorothea Kaufmann, Nawal Farrag, Assem El-Shazly, Michael Wink. *Food Chemistry* 127 (2011) 394–403.
 6. Secondary metabolites of Ponderosa lemon (*Citrus pyriformis*) and their antioxidant, anti-inflammatory, and cytotoxic activities, **Dalia Hamdan**, Mahmoud Zaki El-Readi, Ahmad Tahrani, Florian Herrmann, Dorothea Kaufmann, Nawal Farrag, Assem El-Shazly, Michael Wink. *Z. Naturforsch.* 66 c, 385 – 393 (2011).
 7. Sabah M. A. Mohamed, **Dalia I. Hamdan**, Rehab H. Abdulla, Maged E. S. Mohamed, Afaf A. Taha, Ghada M. Fathy and Assem M. El-Shazly (2012), Efficacy of larvicidal botanical extracts of Cleopatra mandarin (*Citrus reshni*) against *Culex pipiens* (Diptera: Culicidae). *The Egyptian Journal of Medical Sciences (Egypt. J. Med. Sci.)* 33(1), 89 – 104.



8. Dalia I. Hamdan, Rehab H. Abdulla, Maged E. Mohamed and Assem M. El-Shazly (2013). Chemical composition and biological activity of essential oils of Cleopatra mandarin (*Citrus reshni*) cultivated in Egypt. *Journal of Pharmacognosy and Phytotherapy* 5(5) 83-90.
9. Dalia I. Hamdan, Maged E. Mohamed, Rehab H. Abdulla, Sabah M. Mohamed and Assem M. El-Shazly (2013), Anti-inflammatory, insecticidal and antimicrobial activities and chemical composition of the essential oils of different plant organs from navel orange (*Citrus sinensis* (L.) Osbeck var. Malesy) grown in Egypt. *Journal of Medicinal Plants Research* 7(18), 1204-1215.
10. Dalia Hamdan, Mohamed L. Ashour, Sri Mulyaningsih, Assem El-Shazly, and Michael Wink (2013). Chemical Composition of the Essential Oils of Variegated Pink-Fleshed Lemon (*Citrus x limon* L. Burm. f.) and their Anti-Inflammatory and Antimicrobial Activities. *Z. Naturforsch.* 68 c, 275 – 284.
11. Mona Mahmoud, Dalia Hamdan, Michael Wink, Assem El-Shazly (2013). Narigin and rutin prevent D- galactosamine-induced hepatic injury in rats via attenuation of the inflammatory cascade and oxidative stress. *European Scientific Journal* October 2013 edition vol.9, No.30 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431
12. Dalia Hamdan, Mona Mahmoud, Michael Wink, Assem El-Shazly (2014). Effect of hesperidin and neohesperidin from bitter sweet orange (*Citrus aurantium* var. bigaradia) peel on indomethacin-induced peptic ulcers in rats. *Environmental toxicology and* vol. 37, 907–915
13. Mona Mahmoud, Dalia Hamdan, Michael Wink, Assem El-Shazly (2014). Hepatoprotective effect of limonin, a natural limonoid from the seed of *Citrus aurantium* var. bigaradia, on D-galactosamine-



- induced liver injury in rats. *Naunyn-Schmiedeberg's Arch Pharmacol* vol. 387, 251–261
14. Dalia Hamdan, Assem El-Shazly (2014). The chemical constituents of Egyptian citrus species. An examination of the volatile oil and light petroleum fraction of rough lemon (*Citrus jambhiri* Lusf.) Leaf. *European Scientific Journal* Mai 2014 vol.10, No.15 ISSN: 1857 – 7431 (Online) - ISSN 1857- 7881 (Print).
 15. Dalia Hamdan, Assem El-Shazly (2014). Secondary metabolites isolated from dichloromethane fraction of rough lemon stem and hepatoprotective effect of limonianin.
 16. Maysa Ahmed Eraky, et. al. and Dalia Ibrahim Hamdan (2016). *Parasitol Res.* DOI 10.1007/s00436-016-5177-0. Dose-response relationship in *Schistosoma mansoni* juvenile and adult stages following Limonin treatment in experimentally infected mice.
 17. Dalia I. Hamdan, Maged E. Mohamed and Assem M. El-Shazly. Essential oils of *Citrus reticulata* Blanco cv. Santra: phytochemistry and biological activity. *Journal of Medicinal Plants Research*, Vol. 10(30), pp. 457-467, 10 August, 2016, DOI: 10.5897/JMPR2016.6139
 18. Amal Amin Al-Gendy*, Rabab Morad Ali, Dalia Ibrahim Hamdan and Afaf El-Sayed AbdelGhani Elicitation induced flavonoids, phenolic constituents, antioxidant and cytotoxic activities of *Artemisia monosperma* callus cultures. *Journal of Medicinal Plants Research*, Vol. 10(40), pp. 717-731, 25 October, 2016 DOI: 10.5897/JMPR2016.6248
 19. Dalia. I. Hamdan, Amal A. Al-Gendy and Assem M. El-Shazly. Chemical composition and cytotoxic activity of the essential oil of *Schinus molle* growing in Egypt. *J. Pharm. Sci & Res.* Vol. 8(8), 779 – 793(2016).



20. May A. El-Sayed, Amal. A. Al-Gendy, Dalia. I. Hamdan, Assem M. El-Shazly. Phytoconstituents, LC-ESI-MS Profile, Antioxidant and Antimicrobial Activities of *Citrus x limon* L. Burm. f. Cultivar Variegated Pink Lemon. *J. Pharm. Sci. & Res.* Vol. 9(4), 2017, 375-391.
21. Amal. A. Al-Gendy, May A. El-Sayed, Dalia. I. Hamdan, Assem M. El-Shazly. Volatile constituents, Antimicrobial and Cytotoxic Activities of *Citrus reticulata* Blanco Cultivated Murcott. *International Journal of Pharmacognosy and Phytochemical research* 2017, 9(3), 376-386.
22. Gehan A Rashed, Asmaa A Elkholy, Dalia I Hemdan. Tegumental changes induced in adult *S. mansoni* by limonin: animal experimental and electron microscopic studies. *Parasitologists United Journal*. DOI: 10.21608/puj. 2018.2887.1012
23. **Dalia Ibrahim Hamdan**, Fadia Youssef, Mohamed L. Ashour, Assem El Sahzly Insights into the Ethnopharmacological Uses of Rutaceae: A Golden Source for many Pharmaceutical Preparations January 2019 In book: *Ethnobotany: Application of Medicinal Plants* Publisher: CRC press.
24. Mohamed A. Salem, **Dalia I. Hamdan**, Islam Mostafa, Rasha Adel, Ahmed Elissawy and Assem M. El-Shazly. Natural Products, the New Intervention Regime of Metabolic Syndrome (Book chapter: under peer revision).
25. Nora Tawfeek, Mansour Sobeh, **Dalia I. Hamdan**, Nawaal Farrag, Mariana Roxo, Assem M. El-Shazly and Michael Wink. Phenolic Compounds from *Populus alba* L. and *Salix subserrata* Willd. (Salicaceae) Counteract Oxidative Stress in *Caenorhabditis elegans*. *Molecules* 2019, 24, 1999; doi:10.3390/molecules24101999



26. Samia S. Hafez, Wafaa H. B. Hassan, **Dalia I. Hamdan** and Mai M. Karousa. Floral and extrafloral nectaries of *Morus Macroura* Miq. (Family Moraceae) cultivated in Egypt. *ejpmr*, 2019,6 (9), 118-137

Posters:

1. LC-MS/MS of Flavonoid Glycosides **Dalia Hamdan**, Ahmad Tahrani, Nawal Farrag, Assem Elshazly, Michael Wink.
2. Limonin can reverse multidrug resistance (MDR) in human colon and leukaemia cell lines Mahmoud El-Readi, Dalia Hamdan, and Michael Wink.