

Curriculum Vitae

Personal Data:

Name: Dina M. R. Abou-Hussein
Current occupation: Associate Professor of Natural Products,
King Abdulaziz University
Date of birth: Jan 01, 1972
Place of birth: Cairo, Egypt
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Educational Background and Certificates Obtained:

Institution	Degree	Year	Field of Study
Faculty of Pharmacy, Cairo University, EGYPT	B.Sc. (Excellent with Honor)	1994	Pharm. Sciences
Faculty of Pharmacy, Cairo University, EGYPT	M.Sc.	2000	Nat. Products
Faculty of Pharmacy, Cairo University, EGYPT	Ph.D.	2003	Nat. Products

Position and Employment:

01/1995-01/2000	Teaching Assistant, Department of Pharmacognosy, Faculty of Pharmacy, Cairo University,
02/2000-08/2003	Associate Lecturer, Department of Pharmacognosy, Faculty of Pharmacy, Cairo University,
09/2003-09/2006	Lecturer, Department of Pharmacognosy, Faculty of Pharmacy, Cairo University,
10/2006-09/2008	Lecturer, Department of Pharmacognosy, seconded to Faculty of Pharmacy, Misr International University, Cairo, Egypt (Secoded).
09/2008-09/2009	Associate Professor, Department of Pharmacognosy, seconded to Faculty of Pharmacy, Misr International University, Cairo, Egypt (Secoded).
09/2009-present	Associate Professor, Department of Pharmacognosy, Faculty of Pharmacy, Cairo University,
09/2012-present	Associate Professor, Department of Natural Products and Alternative Medicine, Faculty of Pharmacy, King Abdulaziz University, Saudi Arabia.

Field of Research Interests:

- Phytochemical and Pharmacognostical studies of Medicinal Plants.
- Isolation of bioactive plant constituents using advanced chromatographic techniques and elucidation of their structure using different chemical and spectral methods.

Research Accomplished:

- Master Thesis: "A Pharmacognostical Study of *Helianthus tuberosus* L."
- Ph. D. Thesis: "A Phytochemical Study of Certain *Taxodium* Species Growing In Egypt."
- Cultivation of *Artemisia annua* in Egypt and Artemisinin Production. (Project funded by The Cairo University in Egypt).
- Conservation and Sustainable Use of Medicinal plants: The North Eastern Desert and the Red Sea Coast. (Project directed by the Egyptian Environmental Affairs Agency).
- Master Thesis: "A Pharmacognostical Study of *Clusia fluminensis* Planch. & *Triana* cultivated in Egypt"; **(Advisor)**.
- Master Thesis: "Phytochemical and Biological Evaluation of *Capparis sinaica* Veill. with special emphasis on liver diseases"; **(Advisor)**.
- Master Thesis: "Phytochemical and Biological Studies of *Medicago sativa* L. (Family: Fabaceae) Cultivated in Egypt"; **(Advisor)**.
- Master Thesis: "A Phytochemical Study of Certain *Passiflora* species Grown in Egypt"; **(Advisor)**.
- Master Thesis: "A Pharmacognostical Study of "*Atriplex lindleyi* Moq. subsp. *inflata* (F. Muell) P.G.Wilson and *Atriplex leucoclada* (Boiss), grown in Egypt"; **(Advisor)**.
- Master Thesis: "A Pharmacognostical Study of *Ficus cyathistipula* Warb. Family Moraceae"; **(Advisor)**.
- Ph.D. Thesis: "A Pharmacognostical Study of *Dalbergia paniculata* Roxb. Cultivated in Egypt"; **(Advisor)**.

Work in progress

- PI of Deanship of Scientific Research Grant, Distinct study (166-599-D1435): "Anticancer Secondary Metabolites from the Red Sea Sponge *Theonella mirabilis*"

- Member of the project team for the Cairo University-AUF Research grant: “Valorisation de résidus alimentaires dans le développement de Nutraceutiques à potentiel anticancéreux et / ou modulateur redox”

Training Programs:

- Training at Al Madina Al Monawara Pharmacy (Summer 1991 and 1992).
- Training at Quality Control Department, Memphis Chemical Company (July 1993).
- Training course in Computer science (Introduction- Basics- Windows- Word- Excel- Power point): Cairo university (May 2000).
- Cultural and Activity Course: Leadership Development Institute, Ministry Of High Education, Helwan, Egypt (November 2000).
- Teaching and Educational Course: Education Research Institute, Cairo university (June 2001).
- Training Course in “Gas Liquid Chromatography **GLC**” (May 2004).
- Training Course in “High Performance Liquid Chromatography **HPLC**” (October 2004).
- Training Course in “Time and Stress Management”, (FLDP), Cairo University (April 2005).
- Workshop on Interactive Teaching, sponsored by the Trans-European Mobility Program for University Studies (TEMPUS), King’s College, UK (June 2006).
- Continuing Professional Development Course: “Helping Student Learn”, arranged by The Higher Education Academy Health Sciences and Practice Centre and The Department of Education and Professional Studies at King’s College, London (June 2006).
- Training Course in “Course Design”, (FLDP), Cairo University (August 2006).
- Training Course in “Life-long Learning”, (FLDP), Cairo University (August 2006).
- Training Course in “Use of Technology in Teaching”, (FLDP), Cairo University (August 2006).
- Training Course in “Management Skills”, (FLDP), Cairo University (September 2006).
- Teaching Development Workshop, sponsored by the Trans-European Mobility Program for University Studies (TEMPUS), Sekem Development Foundation, Cairo (November 2006).
- Training Course in “National Academic Reference Standards”, QAAP Center, Ain Shams University (March 2007).
- Workshop on Writing Course and Programme Specifications, Misr International University, Cairo (April 2007).
- Training Course in “Writing and Publishing Scientific Articles”, (FLDP), Cairo University (July 2007).
- Workshop on Writing Course Report, Misr International University, Cairo (December 2007).
- Training Course in “Guidelines and Template for the Annual Faculty Self Evaluation Report”, QAAP Center, Ain Shams University (March 2008).
- Training Course in “Self Evaluation Standards”, The National Authority for Quality Assurance and Accreditation of Education NAQAAE, Misr international University (June 2008).
- Training Course in “External Reviewer for Higher Education”, The National Authority for Quality Assurance and Accreditation of Education NAQAAE, Al-Azhar Staff Members Club (February 2009).
- Training Course in "Electronic Course Design", Faculty of Engineering, Cairo University, Through TEMPUS JEP32092-2004 (September 2009).
- Workshop on "Orientation to Market in Higher Education Institutes", Faculty of Pharmacy, Cairo University (April 2010).
- Workshop on "Management of Crisis", Faculty of Pharmacy, Cairo University (April 2010).
- Workshop on "Development of Evaluation and Assessment Methods", Helwan University, Through the Program of Continuous Improvement and Qualification for Accreditation (PCIQA) in Higher Education Institutes, (June 2010).
- Workshop on "How to write a Proposal for Fp-7", Faculty of Medicine, Cairo University (July 2010).
- Workshop on "International Quality Standards", Faculty of Pharmacy, Cairo University (August 2010).
- Workshop on "How to Approach Interdisciplinary Research Collaborations Inside Egypt and Over-Seas", The National Authority for Quality Assurance and Accreditation of Education NAQAAE, (August 2010).
- Workshop on “Creation and Development of online course”, Agence Universitaire de la Francophonie, Université Senghor, (February 2012).
- Workshop on “Saudi Digital Library & ISI Web of Knowledge”, Faculty of Pharmacy, King Abdulaziz University, (December 2012).
- Workshop on “Web Endnote as a Reference Management Software”, Faculty of Pharmacy, King Abdulaziz University, (December 2012).
- Workshop on “Item Analysis Interpretation”, Faculty of Medicine, King Abdulaziz University, (December 2012).
- Workshop on “iThenticate Program for Plagiarism”, Faculty of Pharmacy, King Abdulaziz University, (January 2013).
- Workshop on “OSCE & OSPE”, Faculty of Pharmacy, King Abdulaziz University, (February 2013).
- Workshop on “Road Map to Facilitate Learning”, Centre for Teaching and Learning Development, King Abdulaziz University, (April 2013).
- Workshop on “Strategic Planning”, Faculty of Pharmacy, King Abdulaziz University, (April 2013).
- Workshop on "Exam Blueprint", Faculty of Medicine, King Abdulaziz University, (November 2013).
- Workshop on "Blackboard Essential Training-Elearning", Centre for Teaching and Learning Development, King Abdulaziz University, (April 2014).

- Designing Research Studies. Center of Teaching and Learning Development, King Abdulaziz University, Jeddah 3-4 November 2014.
- Marine Biotechnology and Drug Discovery. Faculty of Pharmacy, King Abdulaziz University, Jeddah 10 November 2014.
- Marine Cyanobacteria in Drug Discovery. Faculty of Pharmacy, King Abdulaziz University, Jeddah 11 November 2014.
- Symbiosis and Marine Microbial Natural Products. Faculty of Pharmacy, King Abdulaziz University, Jeddah 12 November 2014.
- Exam BluePrint,. Faculty of Pharmacy, King Abdulaziz University, Jeddah, December 2014.
- Blackborad. Faculty of Pharmacy, King Abdulaziz University, Jeddah, April 2015.

Publications:

1. M.S. Ahmed, F.S. El-Sakhawy, S.N. Soliman and D.M.R. Abou-Hussein. "Composition and bioactivity of essential oils of *Taxodium* species grown in Egypt". *Egypt. J. Biomed. Sci.* **2003**, 13, 33-44.
2. M.S. Ahmed, F.S. El-Sakhawy, S.N. Soliman and D.M.R. Abou-Hussein. "Lipid content and cytotoxic diterpenes from *Taxodium* species grown in Egypt". *Egypt. J. Biomed. Sci.* **2004**, 14, 278-288.
3. Hesham El-Askary, Ahmed Galal, Dina Abou-Hussein and Eetemad El-Ghawwas. "Cultivation of *Artemisia annua* in Egypt and production of its anti-malarial drug (Artemisinin)". *Bull. Fac. Pharm. Cairo Univ.* **2004**, 42(3), 99-105.
4. M.S. Ahmed, F.S. El-Sakhawy, S.N. Soliman and D.M.R. Abou-Hussein. "Phytochemical and biological study of *Helianthus tuberosus* L". *Egypt. J. Biomed. Sci.* **2005**, 18, 134-147.
5. El-Askary, H. I., Abou-Hussein, D. R., Shehab, N. G. and Sleem, A. A. "Bioactive caffeoylquinic acid derivatives from *Convolvulus hystrix* Vahl." *Bull. Fac. Pharm. Cairo Univ.* **2006**, 44(3), 127-134.
6. Dina R. Abou-Hussein, Jihan M. Badr, and Dina T. A. Youssef. "Nucleoside Constituents of the Egyptian Tunicate *Eudistoma laysani*". *Natural Product Sciences.* **2007**, 13(3), 229-233.
7. D. R. Abou-Hussein, M. F. Schaalán and S. M. Abdelraouf "Cerebroprotective constituents, antimicrobial essential oil and DNA-fingerprinting of *Chamaecyparis lawsoniana* (A. Murray) Parl. grown in Egypt". *Egypt. J. Biomed. Sci.* **2007**, 25, 342-361.
8. El-Sakhawy, F. S., Kassem, H. A., Abou-Hussein, D. R., El-Gaafary, M. S. and Sleem, A. A. "Phytochemical and biological investigation of *Clusia fluminensis* (Planch.& Triana) cultivated in Egypt". *Bull. Fac. Pharm. Cairo Univ.* **2007**, 45(3), 215-225.
9. El-Sakhawy, F. S., Kassem, H. A., Abou-Hussein, D. R. and El-Gaafary, M. S. "Volatiles, lipoids and polyisoprenylated benzophenones from *Clusia fluminensis* (Planch. & Triana) cultivated in Egypt". *Bull. Fac. Pharm. Cairo Univ.* **2007**, 45(3), 233-244.
10. El-Sakhawy, F. S., Kassem, H. A., Abou-Hussein, D. R. and El-Gaafary, M. S. "Botanical and microbiological studies of *Clusia fluminensis* (Planch. & Triana) cultivated in Egypt". *Bull. Fac. Pharm. Cairo Univ.* **2008**, 46(1), 233-259.
11. Hesham I. El-Askary, Dina R. Abou-Hussein, Laila N. Gadelrab and Noha N. Nassar. "Phytochemical and biological investigation of the ethyl acetate fraction of *Cymbopogon proximus* Stapf. (HalfaBar) herb". *Egypt. J. Biomed. Sci.* **2008**, 26, 149-157.
12. F. S. El-Sakhawy, D. R. Abou-Hussein, D. M. El-Kersh and A. A. Sleem. "Anabolic and androgenic effects of certain *Atriplex* species". *Egypt. J. Biomed. Sci.* **2012**, 40, 97-113.
13. A. A. Seida, H. El-Hefnawy, D. R. Abou-Hussein and F. A. Mokhtar. "Investigation and isolation of active constituents of petroleum ether fraction of *Medicago sativa* L. sprouts". *International Current Pharmaceutical Journal.* May **2013**, 2(6), 109-111.
14. Dina R. Abou-Hussein, Jihan M. Badr, and Dina T. A. Youssef. "Dragmacidoside: a new nucleoside from the Red Sea sponge *Dragmacidon coccinea*". *Natural Product Research.* **2014**, 28(15), 1134-1141.
15. Abdel-Sattar Essam , Abou-Hussein Dina and Petereit Frank. "Chemical Constituents from the Leaves of *Euphorbia ammak* Growing in Saudi Arabia". *Pharmacognosy Research*, Vol. 7(1), p. 14-17, 2015
16. Fatma S. El-Sakhawy, Hanaa A. Kassem, Sabah H. El-Gayed, Dina R. Abou-Hussein and Mayy M. Mostafa. Botanical and genetic characterization of *Ficus cyathistipula* warb. growing in Egypt. *International Journal of Pharmaceutical Sciences and Research*, 2015:6(5): 1992-2004.
17. Amira K. El-Mootayam, Dina M.R. Abou-Hussein, Soad H. Tadros and Elsayed A. Aboutabl. Botanical and genetic characteristics of *Dalbergia paniculata* roxb. cultivated in Egypt. *World Journal of Pharmaceutical Research*, 2015: 4, (6): 39-63.
18. Ahmed Seida, Hala El-Hefnawy, Dina Abou-Hussein, Fatma Alzahraa Mokhtar and Ashraf Abdel-Naim. Evaluation of *Medicago sativa* L. sprouts as antihyperlipidemic and antihyperglycemic agent. *Pak. J. Pharm. Sci.*, 2015: 28 (6) : 2061-2074
19. Dina M. El-Kersh, Riham S. El-Dine, Dina R. Abou-Hussein, Fatma S. El Sakhawy and Mohamed MoheyElmazar. "Cytotoxicity and Chemical Investigation of the Aerial Parts of *Markhamia zanzibarica* (Bojer Ex Dc.) K. Schum. (Bignoniaceae)". *Life Science Journal*, 2016: 13(2): 22-26.
20. Fatma El-Sakhawy, Hanaa Kassem, Dina Abou-Hussein, Sabah El-Gayed, Mayy Mostafa and Rania Ahmed. "Phytochemical investigation of the bioactive extracts of the leaves of *Ficus cyathistipula* Warb.". *Z. Naturforsch.* 2016.

Conferences and Workshops Attended:

1. The 8th conference of the Scientific Association of the Colleges of Pharmacy in the Arab World and the 29th conference of Pharmaceutical Sciences of The Egyptian Pharmaceutical Society (December 2004).
2. The 65th International Conference of FIP, Cairo, Egypt (September 2005).
3. Workshop on Introduction to E- learning sponsored by the Trans-European Mobility Program for University Studies (TEMPUS) and organized by the Center for International Co-operation in Academic Development (MUNDO) Maastricht University, Netherlands, Faculty of Medicine, Cairo University, The learning Resource Center (LRC), Egypt (May 2006).
4. Quality Assurance and Accreditation in Higher Education "Pathway to the Future" Conference, QAAP, Cairo University, Cairo (January 2007).
5. 1st Scientific Conference of Faculty of Pharmacy Cairo University (March 2008).
6. The First International Conference of the Quality Assurance and Accreditation center, "Quality and Accreditation the present and Prospective", Cairo University (April 2008).
7. The First Euro-Mediterranean Conference on Marine Natural Products, Sharm El Sheikh, Egypt (October 2008).
8. "A Leading Step towards Accreditation", 31st conference of Pharmaceutical Sciences of The Egyptian Pharmaceutical Society (December 2008).
9. Euro-Mediterranean Conference on "Plant Natural Products: from Biodiversity to Bioindustry" National Research Center, Cairo, Egypt, (December 2009).
10. 2nd Scientific Conference of Faculty of Pharmacy Cairo University, "Quality Assurance in Pharmacy Education" (April 2010).
11. 32nd conference of Pharmaceutical Sciences of The Egyptian Pharmaceutical Society (December 2011).

Teaching Experience:

Undergraduate Courses

- 1995-2003 Practical course of Pharmacognosy for first year students, Faculty of Pharmacy, Cairo University.
- 1995-2003 Practical course of Applied Pharmacognosy for fourth year students, Faculty of Pharmacy, Cairo University
- 2003-2005 Pharmacognosy for first year students, Faculty of Pharmacy, Cairo University.
- 2003-2006 Botany and Medicinal Plants for first year students, Faculty of Pharmacy, Cairo University.
- 2003-2005 Pharmacognosy for second year students, Faculty of Pharmacy, Suez Canal University.
- 2003-2004 Pharmacognosy for second year students, Faculty of Pharmacy, Cairo University.
- 2003-2004 Phytochemistry for second year students, Faculty of Pharmacy, Ain Shams University.
- 2006-2008 Pharmacognosy for second year students, Faculty of Pharmacy, Misr International University.
- 2007-2010 Herbal Medicine for the fourth and fifth year students, Faculty of Pharmacy, Misr International University.
- 2009-2012 Natural Products and Quality Control for fifth year students, Faculty of Pharmacy, Cairo University.
- 2012-present Natural Products and Evidence-Based Herbal Medicine for third year students, Faculty of Pharmacy, Kingabdulaziz University.

Postgraduate Courses

- 1996-1997 Practical course of Quality Control Diploma, Pharmacognosy Department, Faculty of Pharmacy, Cairo University.
- 2009-2011 Chromatographic Techniques Course for Master Degree Students, Pharmacognosy Department, Faculty of Pharmacy, Cairo University.
- 2012-present Quality Control of Herbal Drugs Course for Master Degree Students, Natural Products and Alternative Medicine, Faculty of Pharmacy, Kingabdulaziz University.

Online Courses

- 2007-2009 Practical course of Herbal Medicine, Pharmacognosy department, Faculty of Pharmacy, Misr International University.
- 2007-2008 Practical course of Pharmacognosy, Pharmacognosy department, Faculty of Pharmacy, Misr International University.

Administrative Works:

- Participation in the organizing committee for the 8th conference of the Scientific Association Of The Colleges Of Pharmacy In The Arab World and the 29th conference of Pharmaceutical Sciences of The Egyptian Pharmaceutical Society (December 2004).
- Member of the directory board of the Tissue Culture Unit at the Faculty of Pharmacy, Cairo University.
- Member of the committee in charge of establishing the Tissue Culture Unit at the Faculty of Pharmacy, Cairo University.
- Main operator of the GLC apparatus in the Central Laboratory, Faculty of Pharmacy, Cairo University.
- Assistant coordinator of Quality Assurance Unit, Faculty of Pharmacy, Misr International University (2006-2007).
- Coordinator of the Quality Assurance Unit, Faculty of Pharmacy, Misr International University (2007-2009).
- Consultant of Quality Assurance, Faculty of Pharmacy, Misr International University (2009-2010).

- Assistant of Vice-Dean for Educational and Students Affairs, Faculty of Pharmacy, Cairo University (2009-2011).
- Member of Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University (2009-2011).
- Member of Re-writing Faculty Strategic Plan committee, Faculty of Pharmacy, Cairo University (2010-2011).
- Member of Faculty Self Study Report execution committee, Faculty of Pharmacy, Cairo University (2009-2010).
- Member of Strategic Plan and Leadership committee, Faculty of Pharmacy, Cairo University (2010).
- Head of Accreditation committee, Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University (2010).
- Coordinator of the Accreditation Visit, Faculty of Pharmacy, Cairo University (12-15/December 2010).
- Consultant of the President of Cairo University for Students Social Activities (2011)
- Consultant of the President of Cairo University for on-Campus Housing Activities of girls (1/2012-9/2012).
- Vice president of Training and Technical Support unit of Quality Assurance and Accreditation Center of Cairo University (2012).
- Consultant of Quality Assurance, Faculty of Pharmacy, Future University (2012).
- Member of Strategic Plan committee, Faculty of Pharmacy, Kingabdulaziz University (present).
- Member of Student Graduation Project committee, Faculty of Pharmacy, Kingabdulaziz University (present).
- Coordinator for EQAUP program, Female's Section, Faculty of Pharmacy, Kingabdulaziz University (present).
- Member of Curriculum Development committee, Faculty of Pharmacy, Kingabdulaziz University (present).

Extra Activities, duties and responsibilities:

- Participation in the committee for examination of scientific apparatus, laboratory chemicals and glassware.
- Committee member responsible for designing and equipment installation of student lab., Pharmacognosy Department, Faculty of Pharmacy, Cairo University (Part of a program of enhancing and evolution of Academic Program).
- Supervisor of Summer Training Program for Pharmacy students, Cairo University.
- Committee member of Pharmacy Student Sportive Tournament.
- Committee member responsible for designing and equipment installation of student lab., Pharmacognosy Department, Faculty of Pharmacy, Misr International University.
- Member of the committee in charge of establishing the Herbarium of the Faculty of Pharmacy, Misr International University.
- Peer Reviewer in Higher Education Enhancement Project (HEEP).

Other Experience and Professional Membership:

Current	Member of the Society of Staff Members of Faculty of Pharmacy – Cairo University
Current	Member of Botanical Society
1991-1992	Member of the Cairo University Pharmacy Student Association (CUPSA).
1994-current	Member of the Egyptian Society of Pharmaceutical Sciences.
1994-current	Member of the Egyptian Syndicate for Pharmacists.
2010-2011	Member of Directory Board of Cairo University Staff Club.

Honorary Certificates and Awards:

- Exemplar Pharmacist of the year (2005). A highly recognized award by the Egyptian Syndicate for Pharmacists.
- Exemplar Pharmacist of the year (2006). A highly recognized award by the Egyptian Syndicate for Pharmacists.
- Exemplar Faculty member of the year (Academic year 2007-2008). Award by Misr International University.
- Exemplar Faculty member of the year (Academic year 2010-2011). Award by Cairo University Staff Club.

Language Skills:

Fluent in English, French and Arabic (mother tongue).

- Diplôme de L' Alliance Française, Paris (March 1988, Very Good).
- Diplôme de Langue Française, Institution N.D. Des Apôtres (November 1989, Good).
- TOEFL (January 2001, Score 553).