

CURRICULUM VITAE**Personal Information:**

Name : Mohamed Ibrahim Ahmed Abou-Shoer
Date of Birth : August, 3, 1954
Place of Birth : Alexandria, Egypt.
Marital Status : Married
Military Status : Finished Military service
Nationality : Egyptian
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Summary of Qualifications:

Degree	Specialty	University	Date
Ph.D.	Natural Products Chemistry, Dept. of Medicinal Chemistry and Pharmacognosy.	Purdue University, West Lafayette, IN, USA.	March, 1987
M. Sc.	Pharmacognosy, Pharmacy	Alexandria University, Alexandria, Egypt.	Dec., 1980
B. Sc.	Bachelor of Pharmacy and Pharmaceutical Sciences	Alexandria University, Alexandria, Egypt.	June, 1976

Work Experience:

Current Job: Professor of Pharmacognosy
Employer: University of Alexandria, Faculty of Pharmacy
Job Title: Professor
Responsibilities: Teaching undergraduate and graduate courses, and research
From: 10/2009 Till date now

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Previous Jobs:

Employer	Job Title	Duties	From	To
Alexandria University	Professor	Teaching and research	October, 2009	Now
Alexandria University	Associate Professor		October, 1998	October, 2009
Alexandria University	Lecturer	Teaching and research	June, 1988	October, 1998
Pharopharma	Consultant QC, R & D	Scientific & technical guidance	1/2004	now 2009
WHO	WHO consultant	Evaluate health & drug distribution systems	November, 1999	December, 2003
WHO	WHO consultant	Evaluate health & drug distribution systems	June, 1997	December, 1997
King Saud University, Saudi Arabia	Assistant Professor	Teaching and research	September, 1991	July 1992
Purdue University	Senior Research Assistant, Group leader	Supervise research group, research	January, 1991	October, 1992
Purdue University	Post-doctoral research associate	Research	June, 1987	June, 1988
Purdue University	Graduate student	Ph.D. Program	May, 1982	March, 1987
Alexandria University	Assistant Lecturer	Teaching and research	March, 1981	May, 1982
Alexandria University	Demonstrator	M. Sc. Program, Teaching and research	October, 1976	December, 1980
Egyptian Army Service	Military Service	Military service	1976	1978

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Field of Interest (Career Wise):

○ Working with national and international academic institutes and organizations in teaching, research, and supervision of graduate and post-graduate studies.
○ Interested in global and national health issues and areas of health promotion programs especially in the area of CAM.
○ Helping in developing health programs and guidelines or systems to upgrade an existing procedures or structures to adapt to different needs or emerging elements.
○ Advising on the role of Alternate and Complementary Medicine in the pharmaceutical industry.
○ Advising and helping pharmaceutical industry in the development of analytical procedures for the marketed herbal products.
○ Analysis of herbal and traditional medicine practices or systems in relation or contribution into the health care system.

Professional Experience:

Eventually, the author's personal interest is focusing on the following professional areas:

• Traditional medicine and herbal remedies. Herbal preparation and potential use of herbs as alternate medicine.
• Chemistry of natural products with potential biological or therapeutic activity.
• Qualitative and quantitative assessment of chemical components derived from natural products.
• Quality control and quality assurance of herbal products. Analysis of pharmaceuticals containing herbal ingredients.
• Screening for natural products as potential reserve of bioactive entities (Anti-microbial, Anti-fungal, anticancer or Cytotoxic). Additional interest in chemical modification of potential structures prone to development of more active analogs is also considered.
• Health issues related to Drug Management and Drug Policies.

TEACHING EXPERIENCE:

- **Academic**
- The author enjoys a very strong experience in teaching different undergraduate courses in herbal medicine, Pharmacognosy, chemistry of natural products, screening of natural products for bioactive

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compounds, chromatography, instrumental methods of analysis, herbal medicine and spectroscopic methods of analysis of natural products.

- Quality skills in teaching general and special advanced post graduate courses in separation science, recent techniques in spectroscopic analysis and research techniques.
- Notable experience in managing and teaching graduate studies and dissertation course.
- Comprehensive proficiency of academic studies and thesis supervision because of the experience acquired with the advisory committee following:

Thesis by (Student)	Thesis title
Mohamed Mohamed Fat-hala Ghanem, M. Int. Med. D.	Short Term Effects of the Use of Some Medicinal Plants Used in Folk Medicine on Type II Diabetes
Hoda Mohamed Fat-hy Sherif, M.SC.	Phytochemical Investigation of Cleome droserifolia
Lamia El-Nadi, Ph.D.	Biologically Active Metabolites From Selected Red Sea Sponges
Hoda Mohamed Fat-hy Sherif, Ph.D.	Evaluation of Some Egyptian Plants as Raw Material for Pharmaceutical Industry
Amel Mohamed Hassan Abbas, M.SC.	Phytochemical Study Of Helichrysum Conglobatum Belonging To Family Compositae
Sandy Azab Mokbel, M. SC.	Phytoequivalence Study Of Echinacea Purpurea Family Asteraceae Cultivated In Egypt To Be Used For Pharmaceutical Industry
Rasha Elsaid, M. SC.	Phytochemical Study And Evaluation Of Stevia Rebaudiana (Family Asteraceae) Cultivated In Egypt As A Raw Material For Pharmaceutical Industry
Amira Roshdy Mohamed Khatab, M. SC.	Development Of New Approaches In The Evaluation Of Selected Herbal Products And Pharmaceuticals In The Egyptian Market
Samah Mostafa ElSohafi, Ph. D.	Study Of Some Egyptian Plants Of Potential Use In Some Cases Of Hepatic Disorders

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- The author was also selected as a member of thesis examination committee for

Author	Thesis title
Hoda Mohamed Fat-hy Sherif, Ph.D.	Evaluation of Some Egyptian Plants as Raw Material for Pharmaceutical Industry
Lamia El-Nadi, Ph.D.	Biologically Active Metabolites From Selected Red Sea Sponges
Eman Mohamed Kamal, B. Pharm. Sc., Ein shames University, 2006	Chemical and Biological Investigation of Certain species of Family Anacardiaceae

- **Workshops**

The author has contributed in delivering workshops, public seminars training sessions on HPLC, NMR and quality control for pharmaceutical companies and other industry or supporting firms.

Workshop	Period
Applications of NMR	6 -9 May, 2006, Faculty of Science
HPLC	16-18 December, 2006, Faculty of Pharmacy
Quality Control of Herbal products	December, 2009

SPECIAL SKILLS AND INSTRUMENTAL EXPERIENCE:

- Strong expertise in all aspects of herbal products; raw materials, in-process and finished-product analysis using all chromatographic techniques (HPLC, DCC, CCC, Chromatotron and Medium pressure Michel-Miller chromatography). Strong hands-on experience on different spectroscopy instruments (FT-NMR ¹H, ¹³C, IR, UV, ORD).
- The author has notable skills in working with multicultural and international groups. Exceptional skills in analyzing technical systems and reporting. Proficient competence in communication and situation-study and developing recommendations whenever needed.

WHO EXPERIENCE:

- The author has contributed in reviewing, editing and translating different WHO scientific documents and monographs on health.
- Competitive experience in managing WHO office activities. During the different WHO assignments, the author has exposed himself and managed miscellaneous tasks under different terms of references.

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- During these periods, of WHO assignments, the author has acquired the talent of managing group activities and coordinating with different international cultures. Technically, in addition, the author has gain a good volume of technical and qualified expertise. It covered a wide spectrum of professional activities and experience ranging from acting as officer in charge, supervision of the drug supply systems and heading technical pharmacy teams. In addition, the author had participated in the process of assessing the needs of medicine and medical supplies using the available health system information. The author has also acquired practical experience on drug procurement, drug supply management, drug monitoring, distribution, storage, handling and transportation.
- The author has gained high-quality experience in assessing and analyzing situations and professional conditions with a good capability of technically reporting on the issues or tasks and assignments.

Management & Administrative Skills:

- The author has experienced his competence on leadership since 1990 when he was given the task as a group research-leader with professor C.-j Chang at Purdue University where he managed, for over a year, to organize, cooperate and crystallize group efforts.
- The author has exercised administrative skills during his assignments as WHO officer-in-charge of the WHO sub-office in Sulaimanyia, and as team leader for WHO health observer in Iraq. The author was in charge of coordinating, advising and leading the efforts of different WHO team members to identify, achieve, implement and report on specific health tasks.

Computer Skills:

Very good command of word and Excel with some knowledge on Access programs

Language Skills

Very good command of English and Arabic languages

Attended Workshops and Training Courses:

Course Title	Location	Date
Medicinal Plants and herbal products	National Organization for drug Control And Research, NODCAR	July, 2005
World Congress of Pharmacy & Pharmaceutical Sciences, the 65 th International Congress of FIP	FIB, Cairo	September, 2005
WHO/EDM Technical Briefing Seminar for International Staff Active in Pharmaceutical Support Program	Geneva, Switzerland	November, 2001

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Anti-cancer and chemo-preventive agents	National Institute	Research	January, 1989
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Research & Publications:

1. El-Masry, S., Omar, A. A., Abou-Shoer, M. I. and Saleh, M.R., Flavonoid constituents of Aegialophila Pumila, Planta Med., 42, 199(1981).
2. Habib, A.M., Ho, D.K., Masuda, S., McCloud, T., Reddy, K.S., Abou-Shoer, M. , McKenzie, A., Byrn, S.R., Chang, C.-j., and Cassady, J. M. Structure and Stereochemistry of Psorospermin and related Cytotoxic Dihydrofuranoxanthenes from Psorospermum Febrifugum, J. Organic Chemistry, 52, 412 (1987).
3. Abou-Shoer, M. , Boettner, F.E., Chang, C.-j. and Cassady, J.M. Antitumor and Cytotoxic Xanthenes of Psorospermum febrifugum, Phytochemistry, 27, 2795 (1988).
4. Abou-Shoer, M. , Chang, C.-j., and Cassady, J.M.; Seven Xanthonolignoids from Psorospermum febrifugum, Phytochemistry, 28, 2483 (1989).
5. Abou-Shoer, M. , Suwanborirux, K., Chang, C.-j., and Cassady, J.M. Novel dihydrofurobenzofuranoxanthenes from Psorospermum febrifugum, Tetrahedron Letters, 26, 3385 (1989).
6. Abou-Shoer, M. , Suwanborirux, K., Habib A., Chang, C.-j. and Cassady J.M., Xanthenes and Vismiones from Psorospermum febrifugum, Phytochemistry, 34, 1413 (1993).
7. Abou-Shoer, M. ; Ma, G.-E.; Li, X.-H., Koonchanok, N., Geahlen, R. and Chang, C.-j., Flavonoids from Koelreuteria Henryi and other sources as protein-tyrosine kinase inhibitors, J. Natural Products, 5, 967 (1993).
8. Abou-Shoer, M. ; A simple and sensitive Method for qualitative and quantitative analysis of Physostigmine, Alex. J. Pharm. Sci., 10 (1), 69 (1996).
9. Mossa, J. S., Abdel Sattar, E.; Abou-Shoer, M. and Galal A. M., Free flavonoids from Rhus retinrhoea Steud ex Olove, International J. Pharmacognosy, 34 (1996).
10. Abou-Shoer, M. , and Harraz, F., Open tubular thin layer chromatography (OTTLC) in the analysis of Natural Products, Zagazig J. Pharm. Sc. 4 (2), 76 (1995).
11. Abou-Shoer, M. , Preparative block chromatography (PBC) in the analysis of natural products, Alex. J. Pharm., 10 (1), 117 (1996).
12. Abou-Shoer, M. , AbdAllah M. El-Lakany and Ahmed A. Seif El-Din, Sodium Methoxide: A Single Remarkable UV Shift Reagent in Structure Analysis of Flavonoids. Part I: Flavones and 3-O-substituted Flavonols, Alex. J. Pharm., 12 (2), 109 (1998).

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13. Verotta L; Guerrini M; El-Sebakhy N A; Asaad A M; Toaima S M; **Abou-Shoer, M. E**; Luo Y D; Pezzuto J M, Cycloartane saponins from *Astragalus peregrinus* as modulators of lymphocyte proliferation. **Fitoterapia 72 (8), 894 - 905 (2001).**
14. El-Ghazooly, Maged G.; El-Lakany, Abdalla M. ; Abou-Shoer, Mohamed I. ; Aly, Amel H. "Chemical Constituents of *Helichrysum conglobatum* Growing in Egypt, **The Korean Society of Pharmacognosy 9(4): 220 - 222, (2003).**
15. Masuda E. Amer, **Mohamed I. Abou-Shoer**, Maged S. Abdel-Kader, Amina M. S. El-Shaibany and Nabil A. Abdel Salam " Alkaloids and Flavone acyl glycosides from *Acanthus arboreus*", **J. Braz. Chem. Soc., J. Braz. Chem. Soc., 15 (2), 262-266, (2004).**
16. Abdel-Kader, Maged S; ; Basudan, Omer A; ; Alqasoumi, Saleh I; ; **Abou-Shoer, Mohamed I**; Phytochemical Study of *Lotus ornithopodioides* L. **Natural product sciences 13(4), pp.317-321, (2007).**
17. Hoda M. Fathy, Mohamed I. Aboushoer, Fathallah M. Harraz, Abdallah A. Omar, Gilles Goetz and Rafael Tabacchic " Dolabellane Diterpenes from *Cleome droserifolia*", **Natural Products Communication, 3 (9), 1479, (2008).**
18. **Mohamed Abou-Shoer**, Evaluation of Carbonyl Compounds in Natural Products by Ortho Dianisidine, **Chromatographia, 68, 447-451 (2008).**
19. **Mohamed Abou-Shoer**, Lamiaa Shaala, Dina Youssef, Jihan Badr, Abdel-Azim Habib, Bioactive Brominated Metabolites from the Red Sea Sponge *Suberea mollis*, **J. Nat. Prod. 71, 1464-1467 (2008).**
20. Jihan Badr, Lamiaa Shaala, **Mohamed Abou-Shoer**, Mona Tawfik, Abdel-Azim Habib, Bioactive Brominated Metabolites from the Red Sea Sponge *Pseudoceratina Arabica*, **J Nat Prod. 71, 1472-1474 (2008).**
21. Hoda M. Fathy, **Mohamed I. Aboushoer**, Azza Baraka¹, Maged S. Abdel-Kader*, and Abdallah A. Omar, A New Naphthoquinone with Anti-inflammatory Activity from an Egyptian Collection of *Echiochilon fruticosum*, **Natural Product Sciences. 15(1), 22-26 (2009).**
22. **Mohamed Abou-Shoer**, A Simple Colorimetric Method For The Evaluation Of Chitosan, **American Journal of Analytical Chemistry, 2010, 2, 91-94.**
23. **Mohamed Abou-Shoer**, Extract-Template Modeling and Pattern Recognition in the Assessment of (*Cymbopogon Proximus*); **American Journal of Analytical Chemistry, 2, 500-510, 2011.**

Symposia & Conferences, Papers Presented:

24. **A SIMPLE SENSITIVE METHOD FOR ROUTINE ANALYSIS OF EXTRACTS OF LOCALLY CULTIVATED ECHINACEA**, Sandy M. Edward, **Mohamed I. Abou-Shoer**, Abdel-Azim M. Habib and Abdalla A. Omar, Joint Meeting of the Phytochemical Society of North America & the American Society of

Pharmacognosy, St. Petersburg Beach, Fl., July 2010.
1. World Congress of Pharmacy and Pharmaceutical Sciences 2005, the 65 th International Congress of FIP, 3 -8 September, Cairo
2. Attend the International Congress on Pharmaceutical Sciences and technology, 1995, Alexandria.
3. Abou-Shoer, M. ; Ma, G.-E.; Li, X.-H., Koonchanok, N., Geahlen, R. and Chang, C.-j., Protein-tyrosine kinase inhibitors from <i>Koelreuteria Henryi</i> , 33rd Annual ASP Meeting, July (1992).
4. "Novel Cytotoxic Xanthenes from <i>Psorospermum febrifugum</i> ", Ho, D.K., Cassady, J.M., Suwanborirux, K., Abou-Shoer, M. , and Chang, C.-j. The 1989 International Chemical Congress of Pacific Basin Societies, December 1989.
5. "Antitumor and Cytotoxic Furanoxanthenes from <i>Psorospermum febrifugum</i> ", Abou-Shoer, M. , Chang, C.-j., Cassady, J.M. 28th Annual ASP Meeting University of Rhode Island, Kingston, RI, 1987.
6. "Cytotoxic Furanoxanthenes and Novel Xanthonolignoids of <i>Psorospermum febrifugum</i> ", Abou-Shoer, M. Chang, C.-j., and Cassady, J.M., 27th Annual ASP Meeting University of Michigan, Ann Arbor, MI, July 1986.
7. "Novel xanthenes from <i>Psorospermum febrifugum</i> ", Abou-Shoer, M. , Habib, A.A., Chang, C.-j., and Cassady, J.M., International Research Congress on Natural Products, University of North Carolina at Chapel Hill, NC, July 1985.

References:

▪ Prof. Dr. Mahmoud Mohey, Dean of College of Pharmacy, Alexandria University, Alexandria, Egypt.
▪ Prof. Dr. A. A. Omar, Prof. of Pharmacognosy, Dept. of Pharmacognosy, and Phytochemistry, College of Pharmacy, Alexandria University, Alexandria, Egypt.
▪ Prof. Dr. M. Al Azizi, Dean of College of Pharmacy, Ein Shams University, Cairo, Egypt.
▪ Dr. John M. Cassady, Dean, College of Pharmacy, R. Hein Columbus, Ohio 43210-1291, the Ohio State University.
▪ Prof. Dr. Abdel Aziz Saleh, WHO Advisory member and Consultant.

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