



Curriculum Vitae

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EDUCATION

- **BS Pharmaceutical Sciences**, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt, 1967.
- **MS Pharmaceutical Sciences (Pharmacognosy)**, Faculty of Pharmacy, Cairo University, Cairo, Egypt, 1973.
- **Ph D Pharmaceutical Sciences (Pharmacognosy)**, Faculty of Pharmacy, Cairo University, Cairo, Egypt, 1978.

LANGUAGES

Native: Arabic

Others: French and English, excellent reading, writing and speaking.

PROFESSIONAL EXPERIENCE

- **2005-present**, Emeritus Profesor, University of Cairo, Faculty of Pharmacy, Department of Pharmacognosy, Cairo, Egypt.
- **1991-2005**, Professor, University of Cairo, Faculty of Pharmacy, Department of Pharmacognosy, Cairo, Egypt.
- **2007-2008**, Adjunct Professor, **Misr International University**, Faculty of Pharmacy, Department of Pharmacognosy, Ismailiah road, Egypt.
- **2001-2006**, Adjunct Professor, **6th of October University**, Faculty of Pharmacy, Department of Pharmacognosy, 6th of October city, Egypt.
- **2001-present**, Adjunct Professor, **University of Cairo, Benisuef branch, Faculty of Pharmacy**, Department of Pharmacognosy, Benisuef, Egypt.
- **1996-2000**, Adjunct Professor, **University of Suez Canal, Faculty of Pharmacy**, Department of Pharmacognosy, Ismailia, Egypt.
- **1999/2000**, Adjunct Professor, **Misr University for Science and Technology (MUST)**, Faculty of Pharmacy, Department of Pharmacognosy, 6th of October city, Egypt.
- **1985-1991**, Assistant Professor, University of Cairo, Faculty of Pharmacy, Department of Pharmacognosy and Medicinal Plants, Cairo, Egypt.

- **1988-1990**, Adjunct Assistant Professor, **King Saud University, Faculty of Pharmacy**, Department of Pharmacognosy, Riad, Saudi Arabia.
- **1973-1978**, Lecturer, University of Cairo, Faculty of Pharmacy, Department of Pharmacognosy and Medicinal Plants, Cairo, Egypt.
- **1967-1973**, Graduate Research and Teaching Assistant, Faculty of Pharmacy, Cairo University, Department of Pharmacognosy and Medicinal Plants, Cairo, Egypt.

FIELD OF SPECIALIZATION

Phytochemical investigation of plants and related drugs of biological origin; isolation and identification of plant constituents; evaluation of drugs for commercial production and industrialization; determination of quality and standardization of natural products; morphological and microscopical examination of vegetable drugs; application of new technologies in formulation of natural products.

TEACHING ACTIVITIES

- **1967-present, Practical Phytochemistry**, including methods of identification and estimation of natural products in crude drugs (Cairo University).
- **1978-present, Theoretical Phytochemistry**, comprising different methods of isolation, characterization and determination of medicinal plant constituents (Cairo University).
- **1980-present**, member of teaching staff committees in charge of oral evaluating undergraduate and graduate pharmacy students in the areas of Pharmacognosy and Phytochemistry in Egyptian universities.
- **1967/1968, Pratical Applied Pharmacognosy**, including methods of identification and determination of natural products in pharmaceutical formulations (Cairo University).
- **1975/1976, Practical Phytochemistry** (Al Azhar University).
- **1988-1990, Pharmacognosy and Phytochemistry**, theoretical and practical courses, (Faculty of Pharmacy, King Saud University, Saudi Arabia).
- **1996-2000, Theoretical and Practical Phytochemistry**, (Suez Canal University, Ismailia, Egypt).
- **1999/2000, Chromatography and Phytochemistry**, (Misr University for Science and Technology, 6th of October, Egypt).
- **1985-present, Advanced Pharmacognosy, Chemistry of Natural Products and Chemical Plant Taxonomy** (graduate MS and PhD programs, Cairo University).
- **1997-1999, Forensic Pharmacognosy and Poisonous Plants**, (a graduate program course, Cairo University).
- **2001-2004, 2007-2008 Theoretical and Practical Phytochemistry**, (Benisuef Branch, Cairo University, Benisuef, Egypt).
- **2001-2003, 2004-2005, 2005-2006 Theoretical and Practical Phytochemistry**, (College of Pharmacy, **6th of October University**, 6th Of October city, Egypt).
- **2007-2008 Theoretical Phytochemistry**, Misr International University, Egypt
- **2008-2009 Theoretical and Practical Phytochemistry**, Clinical Pharmacy Program, Faculty of Pharmacy, Cairo University, Egypt.

RESEARCH ACTIVITIES

- **Co-investigator** in **over 60 research papers** in the field of medicinal and aromatic plants with the aim to select new herbal drugs from the Egyptian flora (1967-present).
- **Co-worker** in the research team concerned with "*The Study of the Active Constituents of Toxic Weeds Growing in Egypt.*", scientific project financed by the **NSF** (USA) in collaboration with the College of Pharmacy at the University of Rhode Island, USA (1977-1979).
- **Co-supervisor of over 25 scientific theses** presented by MS and PhD graduate students in the area of medicinal and aromatic plants.
- **Visiting Professor** and **Co-investigator** in the research team of Dr. H. Ghandehari, Department of Pharmaceutical Sciences, University of Maryland at Baltimore, MD 21201-1180 / USA (April 2001-August 2001)

OTHER SCIENTIFIC ACTIVITIES

- Contributor in selecting the scientific data for two booklets issued on Toxic Egyptian Plants entitled:
 - "*Certain Poisonous Plants of Egypt, a Scientific Manual*" NIDOC, Guiza, Egypt (1983).
 - "*Certain Poisonous Plants of Egypt, a Manual for Egyptians and Visitors*" Al Ahram press, Cairo, Egypt (1984).
- Contributor in selecting the scientific subjects for undergraduate Pharmacy students collected in six publications entitled:
 - "*Phytochemical Notes for Pharmacy Students*", Cairo University, Cairo, Egypt (1999-2001).
 - "*Phytochemistry, A Practical Manual*", Cairo University, Cairo, Egypt (1998 - 2010)
 - "*Phytochemistry*", Cairo University, Cairo, Egypt (2001-2010).
 - "*Chromatography and Separation Techniques*", MUST, 6th of October city, Egypt (1999).
 - "*Phytochemistry I*", "*Phytochemistry II*" and "*Phytochemistry III*", **6th of October University**, 6th of October city, Egypt (2001-2002; 2002-2003; 2004-2005; 2005-2006).
- Member of several committees responsible for: reviewing research papers, reading and discussing MS and Ph.D. theses.
- Member of the committee in charge of revising the new edition of the Egyptian Pharmacopoeia since 1999-2005.
- Member of the committee designated by the Supreme Council of Egyptian Universities for evaluation of scientific papers for the promotion to assistant professors (2004-2008)
- Member of the committee in charge for the Development of a Phytopharmaceutical Study Program in Egypt. (DOPSE- TEMPUS).

ADMINISTRATION DUTIES

- Selection of Chemicals and scientific apparatuses necessary for graduates research and undergraduates courses.
- Preparing budgets and requests for glassware, apparatuses and chemicals necessary for Pharmacognosy and/or Phytochemistry courses in the faculties of

Pharmacy at Cairo, Suez Canal, MUST and King Saud universities during the working period there in.

SELECTED PUBLICATIONS:

- The Essential Oil of Olibanum; *Planta Medica*, 53 (4), 382 (1987).
- Comparative Macro- and Micromorphological study of Certain *Ruscus* species cultivated in Egypt. Part I: Aerial Stems and Cladodes; *Bull. Fac. Pharm., Cairo Univ.*, 27 (1), 90 (1989).
- Amygdalin Acyl Derivatives, Cyanogenetic Glycosides from the seeds of *Merremia dissecta*: *Phytochemistry*, 29 (4), 1179 (1990).
- Phytochemical investigation and Insecticidal activity of *Cardiospermum halicacabum* L. cultivated in Egypt: *Bull. Fac. Pharm. Cairo Univ.*, 28 (2), 79 (1990).
- Macro- and Micromorphology of *Leucaena glauca* Benth., Part I: The Stem and Leaf; *Proceedings of the XXIst Conference of Pharmaceutical Sciences, Cairo, Egypt (24-27/2/1990)*, p.57.
- A Phytochemical Investigation of Lipoids, Carbohydrates and Flavonoids of *Leucaena glauca* Benth. cultivated in Egypt; *Proceedings of the XXIst Conference of Pharmaceutical Sciences, Cairo, Egypt (24-27/2/1990)*, p.113.
- Flavonoids and Phenol Carboxylic Acids from *Lochroma cyaneum* (Lindl.) M.L.Green cultivated in Egypt; *Az-J. Nat. Prod.*, 5, 49 (1991).
- Hydroxycinnamic acid esters from the seeds of *Merremia dissecta* (Jacq.) Hallier (*Ipomea dissecta* Pursh., not Willd.) grown in Egypt; *Az-J. Nat. Prod.*, 5, 61 (1991).
- Composition and antimicrobial activity of the floral concrete and absolute of *Cynanchum acutum* L. (Asclepiadaceae); *Az-J. Nat. Prod.*, 5, 175 (1990).
- Hydroxycinnamic acid amides of *Lochroma cyaneum*; *Phytochemistry*, 29, 3931 (1990).
- Protein, Common Amino Acids and Mimosine contents of *Leucaena glauca* Benth. cultivated in Egypt; *Egypt. J. Pharm. Sci.*, 32 (1-2), 91 (1991).
- Coumarin content and Antibilharzial activity of Extracts of Leaves of *Citrus aurantifolia* (Lime) and *Citrus limonia* (Lemon); *Asian Journal of Chemistry*, 10, 583 (1998).
- Volatile oils and Pectins from *Citrus aurantifolia* (Lime) and *Citrus limonia* (Lemon); *Asian Journal of Chemistry*, 10, 828 (1998).
- Phytochemical investigation of *Sonchus oleraceus* L. growing in Egypt; *Bull. Fac. Pharm. Cairo Univ.*, 37 (3), 143 (1999).
- Protein, carbohydrate, mineral and vitamin contents of *Sonchus oleraceus* L. growing in Egypt; *Az-J. Pharm. Sci.*, 23 (3), 46 (1999).

- Investigation of *Cryptostegia grandiflora* R. Br. cultivated in Egypt: Part I- Biologically Guided Fractionation. The 27th Conference of Pharmaceutical Sciences, Cairo, December (2002).
- Investigation of *Cryptostegia grandiflora* R. Br. cultivated in Egypt: Part II- Macro- and Micro-morphological Study of the Flower and Fruit. The 27th Conference of Pharmaceutical Sciences, Cairo, December (2002).
- Bioactive Extracts of Different Organs of *Cryptostegia grandiflora* R. Br. Grown in Egypt: J. Biomed. Sc. 11, 233 (2003).
- Bioactivity and constituents of the seeds of *Cryptostegia grandiflora* R. Br. cultivated in Egypt: J. Biomed. Sc. 13, 246 (2003).
- Phytochemical Study of Flowers and Latex of *Cryptostegia grandiflora* R.Br. Cultivated in Egypt, Bull. Fac. Pharm., Cairo Univ.: Vol. 42 (2) (2004)
- Macro- and Micro-morphological Study of the Flower and Fruit of *Cryptostegia grandiflora* R.Br. Cultivated in Egypt, Bull. Fac. Pharm., Cairo Univ.: Vol. 42 (2) (2004)
- Bioactive Lipoids and Phenolics from Fruits of *Hyphaene thebaica* (Doum) Bull. Fac. Pharm., Cairo Univ.: Vol. 45 (3) (2007)
- Effect of Seasonal Variation on Composition and Bioactivities of the Essential Oil of *Eucalyptus citriodora* Hook. Grown in Egypt , Egypt. J. Biomed. Sci., 24, 260 (2007).
- Influence of Seasonal Variation on Composition and Bioactivities of the Essential Oil of *Eucalyptus camaldulensis* var. *camaldulensis* Grown in Egypt, Bull. Fac. Pharm. Cairo Univ.: Vol. 46 (2), 167 (2008),
- Acaricidal activity of *Swietenia mahogany* and *Swietenia macrophylla* ethanolic extracts against *Varroa destructor* in honeybee colonies, Experimental Parasitology in press, available online 12/11/2011.
- Genetic Profiling, Chemical Characterization and Biological Evaluation of Two *Conyza Species* Growing in Egypt, Journal of Applied Pharmaceutical Science Vol. 2 (11), pp. 054-061, November, 2012, Available online at <http://www.japsonline.com>
- Antihyperglycemic and Antioxidant Activities and Chemical Composition of *Conyza dioscoridis* (L.) Desf. DC. growing in Egypt, Australian Journal of Basic and Applied Sciences, 6(10): 257-265, 2012.
- Four butyrolactones and diverse bioactive secondary metabolites from terrestrial *Aspergillus flavipes* MM2: isolation and structure determination, Organic and Medicinal Chemistry Letters 2012 2:9.