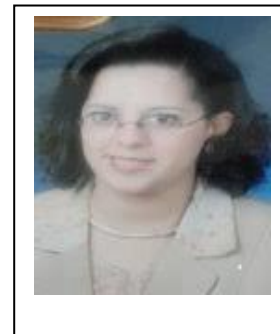


CURRICULUM VITAE



Dr. Eman Zekry Attia Shihata

Associate professor of Pharmacognosy, Pharmacognosy Department,

Faculty of Pharmacy, Minia University, Egypt.

I- Information

● **Personal Information:**

- **Name:** Eman Zekry Attia Shihata
- **Date of Birth:** August 1st, 1976
- **Nationality:** Egyptian
- **Marital Status:** Married
- **Home Address:** 21 Adnan Elmalky Street, Minia, Egypt
- **Work Address:** Pharmacognosy Department, Faculty of Pharmacy, Minia University, Minia 61519, Egypt.
- **Position:** Lecturer
- **General Specialization:** Pharmacognosy and Medicinal Plants
- **Specific Specialization:** Chemistry of Natural Products

● **Contact Information:**

- **Mobile:** (+2)-01001859001
- **Phone:** (+2)-086-2093434 (Home); (+2)-086-2347759 (Work); (+2)-086-2335636 (Work)
- **E-mail:** eshihata@yahoo.com; eman_zekry@mu.edu.eg

II- Education

- 1- B.Sc. of Pharmaceutical Sciences, very good with the degree of honour, Faculty of Pharmacy, Assiut University, Egypt, 1999.
- 2- M.Sc. of Pharmacognosy, Faculty of Pharmacy, Minia University, Egypt, 2004, entitled "Pharmacognostical study *Eugenia jambolana* (*Syzygium cummi* L.), Family Myrtaceae and *Daucus carota*, L. Roots Family Umbelliferae cultivated in Egypt."
- 3- Ph.D. of Pharmacognosy, Faculty of Pharmacy, Minia University, Egypt, 2015, entitled " Effect of Drought Stress and Salicylic Acid on Some *Ruta graveolens* Secondary Metabolites".

III- Positions

1- Resercher (2000–2004):

Pharmacognosy Department, Faculty of Pharmacy, Minia University.

2- Assistant lecturer (2013–2015):

Pharmacognosy Department, Faculty of Pharmacy, Minia University.

3- Lecturer (2015 -2020):

Pharmacognosy Department, Faculty of Pharmacy, Minia University.

4- Associate professor (2020-up till now)

IV- Experience

• Teaching Experience:

a) (2000–2004, 2013-2015): participating in teaching the practical courses and laboratory tutorials of:

1- Medicinal plants, General Pharmacognosy, Phytochemistry, Applied Pharmacognosy, Phytotherapy, and Complementary and Alternative Medicine for 1st, 2nd, 3rd, and 4th year students, Faculty of Pharmacy, Minia University.

2- Botany and Medicinal Plants, Pharmacognosy (I), Pharmacognosy (II), Phytochemistry (I), Phytochemistry (II), Quality Control of Medicinal Plants, and Phytotherapy for students of clinical pharmacy programme, Faculty of Pharmacy, Minia University.

b) (2015–up till now): participating in teaching the theoretical courses of:

1- Medicinal plants, General Pharmacognosy, Phytochemistry, Applied Pharmacognosy, Phytotherapy, and Complementary and Alternative Medicine for 1st, 2nd, 3rd, and 4th year students, Faculty of Pharmacy, Minia University.

2- Botany and Medicinal Plants, Pharmacognosy (I), Pharmacognosy (II), Phytochemistry (I), Phytochemistry (II), Quality Control of Medicinal Plants, Phytotherapy, and Complementary and Alternative Medicine for students of clinical pharmacy programme, Faculty of Pharmacy, Minia University.

• **Research Experience:**

- 1- Studying the botanical characters of plants.
- 2- Isolation of naturally occurring compounds from plant or marine sources using different chromatographic techniques, such as thin layer chromatography, paper chromatography, column chromatography, and high performance liquid chromatography.
- 3- Structure elucidation of various classes of natural products, such as alkaloids, triterpenes, sterols, phenolic compounds, flavonoids, etc. using different spectroscopic techniques, including UV, IR, 1D and 2D NMR, as well as different types of mass spectrometry.
- 4- Identification of the volatile constituents of plants by gas chromatography-mass spectrometry.
- 5- Metabolomic profiling of natural sources using liquid chromatography-mass spectrometry.
- 6- Biological evaluation of plant extracts and their phytoconstituents, including analgesic, anti-inflammatory, antipyretic, anti-infective, hepatoprotective, cytotoxic, and antioxidant activities.

• **Practical Experience:**

- 1- Morphological studies of medicinal plants.
- 2- Microscopical studies and identification of medicinal plants.
- 3- Preliminary phytochemical screening of different plant constituents.
- 4- Extraction of various active compounds from plants.
- 5- Organic solvent fractionation of total plant extracts.
- 6- Isolation and purification of active principles from plants using various chromatographic methods.
- 7- Determination of physical, chemical, and chromatographic properties of the isolated phytochemicals.
- 8- Structure elucidation of natural products using different spectroscopic techniques such as IR, UV, different tools of NMR including 1D ^1H - and ^{13}C -NMR, and 2D techniques such as ^1H - ^1H COSY, HETCOR, HMQC, HMBC, NOESY, ROESY, TOCSY, in addition to various mass spectrometric analyses such as EI, CI, FD, FAB, ESI methods.
- 9- Quantification of active constituents of medicinal plants.
- 10- Determination of total polyphenol and flavonoidal contents of medicinal plants.
- 11- Preparation and GC/MS analysis of plant volatiles.
- 12- Preparation and analysis of the unsaponifiable matter and fatty acids content of plants using GC/MS.
- 13- Biological investigation of total extracts, different fractions, as well as pure compounds.

V- Publications:

List of publication is present in researchgate link beside

<https://www.researchgate.net/profile/Eman-Shihata/unconfirmed>

VI- Conferences

Effect of Salicylic acid and drought stress on the secondary metabolites and gene expression of key enzymes involved in flavonoid and coumarins biosynthesis pathway in the leaves of *Ruta graveolens* L.

Eman Zekry Attia, Usama Ramadan Abdelmohsen, Amira Samir Wanas, Samar Yehia Desoukey, Mahmoud Abd El Hakeem Mohamed and Mohamed Salah Kamel

The 17th Annual International Conference on the Science of Botanicals, Mississippi, USA, 3rd – 6th April, 2017.

VII- Workshops

Attended and successfully completed the following workshops of the Faculty and Leadership Development Center (FLDC), Minia University, Egypt:

- 1- Internet march 2013
- 2- Skills of Effective Communication (Nov. 2013).
- 3- Advanced word (January 2014).
- 4- Advanced Excel (January 2014).
- 5- Advanced Power point (January 2014).
- 6- Introduction of Bioinformatis (April 2014).
- 7- Quality Assurance and Accreditation (July 2014).
- 8- Endnote (January 2015).
- 9- Ethics of scientific research (April 2015).
- 10- Skills of Effective Presentation (May 2015).
- 11- International Scientific Publishing (June 2015).
- 12- Systems of Exams and Students evaluation (July 2019).
- 13- Strategic Planning (August 2019).
- 14- Fighting Corruption (Dec. 2019).

15- Legal and Financial Aspects in University Environment (August 2019).

16- Design of Personal Websites (Feb, 2020).

17- Advanced Power Point (Jan 2020).