

Amany Hamouda Mahmoud Mohammed

Personal information

- **Nationality:** Egyptian
- **Date of birth:** January 28, 1989
- **Place of Birth:** Minya- Egypt
- **Marital Status:** Married.
- **Affiliations, Positions:** Lecturer of Pharmacognosy,
Faculty of Pharmacy, Minya University, Minya, Egypt.



Contact details:

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Academic Degrees, Institutes and date

- Doctor of Philosophy of Pharmaceutical sciences (Pharmacognosy) "June 2022" Faculty of Pharmacy, Minya University, Minya, Egypt.
- Masters of Pharmaceutical sciences (Pharmacognosy) "July 2015" Faculty of Pharmacy, Minya University, Minya, Egypt.
- Bachelor of Pharmaceutical Sciences Excellent with degree of honor "May 2010" Faculty of Pharmacy, Minya University, Egypt.

Experience:

Professional Experience:

- **November 2010 - August 2015:** Demonstrator, Department of Pharmacognosy Faculty of Pharmacy, Minya University, Minya, Egypt.
- **September 2015 - June 2022:** Assistant Lecturer, Department of Pharmacognosy Faculty of Pharmacy, Minya University, Minya, Egypt.
- **July 2022 - till now:** Lecturer, Department of Pharmacognosy Faculty of Pharmacy, Minya University, Minya, Egypt.

Graduate Studies:

- **September 2015:** Masters of Pharmaceutical sciences (Pharmacognosy) Faculty of Pharmacy, Minya University, Minya, Egypt.
- **December 2018 till January 2021:** Member of joint supervision mission PhD programme between Hiroshima University and Minya University.
- **June 2022:** Doctor of Philosophy of Pharmaceutical sciences (Pharmacognosy) Faculty of Pharmacy, Minya University, Minya, Egypt.

Language and computer skills:

- English language (TOEFL ibt certificate).
- Computer experience (ICDL certificate, Advanced Word Processing, Advanced PowerPoint Processing, Endnote, Statistical analysis using SPSS).

Educational activities:

Participate in the teaching of practical courses and lectures of the syllabus of the following matters for Pharm D General and Clinical Faculty of Pharmacy teaching programmes, during the period of October 2010 till October 2018 October and February 2021 till now:

- Pharmacognosy 1 Course for 1st grade Pharm D General and Clinical Pharmacognosy students.
- Phytochemistry 1 Course for 2nd grade Pharm D General and Clinical Pharmacognosy students.
- Applied Pharmacognosy Course for 3rd grade Pharm D.
- Quality control Course for 3rd grade Pharm D General Pharmacognosy students
- Phytochemistry 2 Course for 4th grade General Pharmacognosy students.
- Phytotherapy Course for 4th grade Clinical Pharmacognosy students.

Society and academic activities:

- Participate in faculty of pharmacy continuous development programme (CIQAP).
- Participate in organizing foreign Arab students visits to the university in student exchange program.
- Attendance of Cairo University Conference 2013, and Asyut University Conference 2014.
- Participate in cycles and organize workshops about effective communication skills with society, quality control measures and applications and effective modern teaching skills.
- Member in the Egyptian Pharmacist Syndicate since 2010, Participating in all events, workshops and charity activities organized by the organization to ensure better life establishment and provide support for those who need.

Technical Experience:

Natural Product Chemistry

- The preliminary phytochemical screening of different extracts.
- Separation of different fractions using column chromatography on different stationary phases such as Silica gel, Sephadex LH-20, Diaion HP-20 and RP-18 and Purification of the isolated compounds using advanced chromatographic techniques such as HPLC.
- The identification of the chemical structures of the isolated compounds using the different spectral techniques as UV-spectroscopy, NMR methods including 1D-analysis such as ^1H -NMR, ^{13}C -NMR and 2D-analysis such as ^1H - ^1H COSY, HSQC, HMQC, TOCSY, ROESY, HMBC and different methods of mass analysis.
- Biological screening including: The different fractions and pure compounds were subjected to selected bioassays to determine their pharmaceutical potential as anticancer, antibacterial, antifungal, antioxidant, hepatoprotective and antileishmania activities.

List of Publications:

- Pharmacognostical investigation of leaf and stem of *Persea amricana*, International Journal of Pharmacognosy, vol. 8, No. 4, P. 690-700 (April 2016).
- Effect of Tobacco tar on *Staphylococcus aureus* and *Candida albicans* Biofilm Formation, African Journal of Microbiology Research, vol. 11, No. 9, P. 372-384 (March 2017).
- Gas chromatography-mass spectrometry profiling and analgesic, anti-inflammatory, antipyretic and antihyperglycemic potentials of *Persea americana* (April 2021).
- Cytotoxicity and chemical profiling of the Red Sea soft corals *Litophyton arboreum*. Natural Product Research. (August 2021).
- Phytochemical and biological investigation of *Litophyton arboreum*. Journal of Pharmacognosy and Phytochemistry. (February 2022).
- Cytotoxic and antileishmanial triterpenes of *Tabebuia aurea* (Silva Manso) leaves. Natural Product Research (March 2022).
- Aureanin, a new iridoid from *Tabebuia aurea* (Silva Manso) leaves Benth. & Hook.f.ex S. Moore. Natural Product Research. (January 2024).