

Manar Madah

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Profile

PhD candidate in Pharmacognosy with a strong background in natural product chemistry, bioactive compound isolation using a variety of chromatographic techniques, phytochemical analysis, and chemical modification of natural product compounds. Experienced in employing advanced analytical techniques (HPLC, NMR) to explore medicinal plants and identify novel therapeutic agents. Passionate about bridging traditional medicine and modern pharmacology through rigorous scientific investigation and collaborative research.

A teaching assistant conducts practical sessions for undergraduate students on topics related to medicinal plants and phytochemistry.

Education

Damascus University (2010 – 2015):

Bachelor's degree in *Pharmacy and Pharmaceutical Chemistry*

Damascus University (2016 – 2020):

Master's degree in *Pharmacognosy and Medicinal Plants*.

Doctoral School of Pharmaceutical Science – University of Szeged (2022 – Present)

Experiences

Pharmacist, Al-Samah pharmacy, Sweida, Syria: September 2015 – April 2018.

My responsibility was to prepare medications by following prescriptions, reviewing and verifying instructions from physicians. Advising patients about medicines, including how to take them, possible side effects, drug-drug and drug-food interactions, answering patients' questions, providing them monitoring and advice and dispense over-the-counter drugs.

Medical representative, Medical Company (21st Century), Sweida, Syria: April 2018 – 2021

My responsibility was marketing medical supplements to selected specialists' doctors and also participate in the scientific content presented to the doctors, help in training the new medical representatives on scientific aspects to be ready for work.

**Supervising practical classes at Pharmacognosy Department, Faculty of Pharmacy, Damascus, Syria:
March 2017 – October 2021**

My responsibilities were supervising practical classes at the pharmacognosy department by teaching practical parts of pharmacognosy, applied pharmacognosy and phytochemistry to undergraduate students. My duties were supervising all chemical, analytical and microscopic experiments which students carry out, evaluate the students' performance, quizzes and exams. Finally, evaluate the practical students' mark.

Medical advisor, Biotonics (Medical company for supplements): April 2021 – September 2022

providing contribution towards the evaluation, critiquing and communication of important medical / scientific information related to a company's products, help in training and supporting the sales force.

Supervising practical classes at Pharmacognosy Department, Faculty of Pharmacy, Qasyoun University for science and technology, Syria September 2021 – September 2022

My responsibilities were supervising practical classes at the pharmacognosy department by teaching practical parts of applied pharmacognosy and phytochemistry to undergraduate students. My duties were supervising all chemical, analytical and microscopic experiments which students carry out, evaluate the students' performance, quizzes and exams. Finally, evaluate the practical students' mark.

Teaching assistant at Pharmacognosy Department, University of Szeged, September 2024-present

Assisting in teaching undergraduate courses in pharmacognosy, supporting laboratory sessions, and guiding students in experimental techniques

Trainings

- Training course in Sales Skills (Unlimited horizons institute).

Languages

- Arabic (native language).
- English (B2).

Skills

Computer knowledge: Microsoft Office, Internet, ICDL certificate (International Computer Driving License).

Master's thesis title

Pharmacognostical and Chemical Study of *Peganum harmala* L. spread in Syria and Evaluation of the Activity on *Leishmania* Parasites

Publication

- Madah M, Haddad S, Khazem M. Evaluation of the effect of *Peganum harmala* extracts on the in vitro viability of *Leishmania tropica* promastigotes in comparison to Glucantime. Journal of Parasitic Diseases. 2020 Dec;44(4):858-63. <https://doi.org/10.1007/s12639-020-01232-6>.

- Madah M., Khazem M. Chemical Study for seeds and roots of *Peganum harmala* L. Spread in Syria and Determination of Total Alkaloids Content, Arab Journal for Pharmaceutical Science. 2020 July; 6(4):84-90. (Arabic Language).

Conferences and Presentations

- **Damascus Scientific Pharmaceutical Days**, Damascus, Syria, Dama Rose Hotel, Attendee, March 2017.
- **Arab Pharmacists Conference**, Damascus, Syria, Attendee, October 2017.
- **First Scientific Conference of Pharmaceutical Innovation and Invention**, Damascus, Syria, Attendee, April 2018.
- Damascus, Syria: Oral presentation “**Pharmacognostical and Chemical Study of *Peganum harmala* spread in Syria and Evaluation of the Activity on Leishmania Parasites**”, the final seminar, Faculty of Pharmacy, Damascus University.
- **The Arab world Pharmaceutical Scientific Conference (22th)**, Damascus, Syria: Faculty of Pharmacy Damascus University, I participated with a Poster presentation and I obtained the 5th position, March 2020.
- **5th Symposium of Young Researchers on Pharmacognosy**, Szeged, Hungary, Oral presentation “Preliminary phytochemical results of *Heracleum sphondylium* ”, 23 July 2024
- **PSE Meetings 2025 (Phytochemical Society of Europe meetings)**, Funchal, Madeira island, Poster presentation ‘Enhanced Anticancer Potential via Semi-Synthetic Modification of a *Heracleum*-Derived Furanocoumarin', 22-24 October 2025