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**Nora Essam El-din
Zaki Mady**

Basic informations:

- Date of birth: 06/08/1990
- Place of Birth: Menoufia.
- Marital Status: Married.

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Academic Qualifications:

- Bachelor degree of pharmaceutical Sciences, Ain Shams University (2012).
- Master's Degree of Pharmaceutical Sciences, Pharmacognosy Department, Faculty of Pharmacy, Ain Shams University with thesis entitled with "Effect of Co-administration of Natural Eggshell Membrane with Different Natural Phyto-constituents on Rat model of Osteoarthritis" (2023).
- Registered PhD Student, Pharmacognosy Department, Faculty of Pharmacy, Cairo University. (2023).

Work History:

- 2013: Owner and director of a public pharmacy.
- 2014: Pharmacist at the General Administration of Medical Affairs, Menoufia University.
- 2019- Up to now: Full Mandate at Faculty of Pharmacy, Menoufia University.

Language & Skills:

- Arabic: Mother tongue
- English: Excellent
Certificate of TELP (2018)
Certificate of ATEFL (2023)
- Computer skills: Excellent
Certificate of ICDL

Personal Skills:

- Active listening.
- Critical thinking.
- Creativity.
- Willingness to learn.
- Time management.
- Leadership skills.
- Collaboration skills.
- Adaptability and flexibility.
- Communication skills.

Research Skills:

- Internet research skills.
- Attention to details.
- Different extraction methods of natural products.
- Chromatographic analysis of natural products through variant techniques.
- Interpretation of UPLC-ESI-MS/MS analysis of natural products.
- Computer-aided molecular networking.
- Scientific writing skills.
- Scientific publishing skills.

Research Interests:

- Phytochemical studies of medicinal natural products using different chromatographic techniques.
- Biological studies of medicinal natural products (*in-vitro* and *in-vivo* studies).
- Recycling of food waste products to be reused in the medicinal field.

Conferences:

- The 2nd International Conference of Faculty of Pharmacy, Ain Shams University (13th-15th November, 2018).
- The Scientific Conference of Faculty of Pharmacy, Tanta University (5th-6th March, 2022).
- The Conference of Climate Changes and the Green University Agenda for COP27, Ain Shams University (21th-23th September, 2022).
- A Speaker at the 2nd International Conference of Faculty of Pharmacy, Menoufia University (10th-11th May, 2023).

Workshops:

- Workshop of Scholarly Publishing in Indexed Journals, Ain Shams University (17th-18th March, 2022).
- Workshops of Liquid chromatography – mass spectrometry, Clinical nutrition and obesity management, and Computer-aided drug design at Faculty of Pharmacy, Tanta University (5th-6th March, 2022).

Achievements:

• **Publications:**

1. “HPLC Quantification of Glucosamine Sulfate in Eggshell membranes from White and Brown Chicken Eggs” Published in Archives of Pharmaceutical Sciences, Ain Shams University (2022).
2. “Synergistic Effects of Eggshell Membrane with Green tea extract, Ginkgo biloba extract, and Turmeric powder *In-vitro* and on Monosodium Iodoacetate Rat Model of Osteoarthritis” Submitted and reviewed in Journal of Medicinal Food (2024).
3. “Effects of applying nanotechnology to eggshell membrane combined with green tea and turmeric on monosodium iodoacetate rat model of osteoarthritis” (ready to submit).

• **Winning the 2nd place in Annual Ain Shams University Innovation Competition.**

(ASU INNOVATES 2021)



- **Patent requested to Egyptian patent office (EGPO), Cairo, Egypt (2022).**

Achievements at Faculty of Pharmacy Menoufia University:

1. Participating in teaching the practical part of the following courses:

- Medicinal plants.
- Pharmacognosy I
- Pharmacognosy II
- Natural Products Chemistry I
- Natural Products Chemistry II
- Phytotherapy and Aromatherapy
- Applied and Forensic Pharmacognosy

2. Participating in writing the practical notes for the following courses:

- Phytotherapy and Aromatherapy
- Applied and Forensic Pharmacognosy

3. Giving a session about the role of natural products for skin care at faculty of pharmacy, Menoufia University (10th November 2020).

4. Organizing the first Gallery of Natural Products at faculty of pharmacy, Menoufia University (24th March 2022).



4. Getting a Certificate of “The Special Person of the Month at Faculty of Pharmacy Menoufia University” (March 2022).

5. Supervision of creative student activities:

- Maquettes for different spectroscopic devices (UV, IR, NMR) and plant tissue culture.



- 3D posters to demonstrate valuable data about natural products.
- Preparation of natural pharmaceutical formulations.
- Calendar fortified with data about forensic pharmacognosy.



6. Participating as a speaker at the 2nd International Conference of Faculty of Pharmacy, Menoufia University with a talk under title of “Treasures of Natural Products” (11th May, 2023).

7. Participating in writing a part in the Menoufia University student guide booklet in Arabic and English.

Under title of:

“Green Thinking & Sustainable Development”
(2023/2024)