

Asmaa Ashraf Mohamed Nemr

Lecturer at Pharmaceutics and Industrial
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Faculty of Pharmacy, Cairo University



Contact Information

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Personal Information

Gender:	Female
Date of Birth:	September the 4 th , 1993
Nationality:	Egyptian
Marital status:	Singel

Education

Academic Degrees

Ph.D.

- Doctor of Philosophy in Pharmaceutical Sciences, Faculty of Pharmacy, Cairo University, October 2023.

Thesis title: A Pharmaceutical Study on a Certain Drug to Enhance its Efficacy.

M.Sc.

- Master of Pharmaceutical Sciences, Faculty of Pharmacy, Cairo University, April 2021.

Thesis title: Development and evaluation of surfactant-based elastic vesicular system for transdermal drug delivery.

B.Sc.

- Pharmaceutical Sciences, Faculty of Pharmacy, Cairo University, 2011- 2016.

Grade: Excellent with Honors.

Language and Computer Skills

1. Arabic: Native.
2. English: Excellent.
3. French: Fair.
4. Very good skills at Microsoft windows, Excel, Word, PowerPoint.

Software Experiences

1. Statistical analysis using SPSS program.
2. Design of experiment using Design Expert software®.
3. Management of references and citations using Mendeley software.

Research Experience

1. Advanced drug delivery systems.
2. Formulation and evaluation of proniosomal gel and non-ionic surfactant-based vesicular systems for transdermal drug delivery.
3. Formulation and evaluation of elastics bilosomal, elastosomal dispersions for ocular delivery.
4. Formulation and evaluation of hydroxy methyl cellulose-based gel for transdermal delivery.
5. *In vitro* and *in vivo* evaluation of the developed systems.
6. Statistical optimization.

Publications (H-index 4)

1. Nemr, Asmaa Ashraf, Galal Mohamed El-Mahrouk, and Hany Abdo Badie. "Development and evaluation of surfactant-based elastic vesicular system for transdermal delivery of Cilostazole: ex-vivo permeation and histopathological evaluation studies." *Journal of Liposome Research* 32.2 (2022): 159-171.
2. Nemr, Asmaa Ashraf, Galal Mohamed El-Mahrouk, and Hany Abdo Badie. "Development and evaluation of proniosomes to enhance the transdermal delivery of Cilostazole and to ensure the safety of its application." *Drug Development and Industrial Pharmacy* 47.3 (2021): 403-415.
Thesis title: Development and evaluation of surfactant-based elastic vesicular system for transdermal drug delivery.
3. Nemr, Asmaa Ashraf, Galal Mohamed El-Mahrouk, and Hany Abdo Badie. "Hyaluronic acid-enriched bilosomes: an approach to enhance ocular delivery of agomelatine via D-optimal design: formulation, in vitro characterization, and in vivo pharmacodynamic evaluation in rabbits." *Drug Delivery* 29.1 (2022): 2343-2356.
4. Nemr, Asmaa Ashraf, Galal Mohamed El-Mahrouk, and Hany Abdo Badie. "Enhancement of Ocular Anti-Glaucomic Activity of Agomelatine Through Fabrication of Hyaluronic Acid Modified-Elastosomes: Formulation, Statistical Optimization, In-vitro Characterization, Histopathological Study, and In-vivo Assessment." *Journal of Microencapsulation* just-accepted (2023): 1-43.
5. Nemr, Asmaa Ashraf, and Galal El Mahrouk. "A Comprehensive Review on Bilosome: A Nano-vesicular Drug Delivery System to Enhance Bioavailability of the Drug Through Different Routes of Administration." *Bulletin of Pharmaceutical Sciences Assiut University* (2023).
Thesis title: A Pharmaceutical Study on a Certain Drug to Enhance its Efficacy.
6. Limonene-enriched ultra-structural cubosomes to augment ocular delivery of a poorly water soluble anti-fungal drug: Fabrication, characterization, statistical optimization, in vivo corneal uptake and histopathological evaluation in rabbits. *Journal of Drug Delivery Science and Technology*. September 2024.
7. Intranasal bilosomes in thermosensitive hydrogel: advancing desvenlafaxine succinate delivery for depression management. *Pharmaceutical Development and Technology Journal*. July 2024.
8. Revitalizing Itraconazole: Unleashing its Anticancer Potential through Oral Nanosystems for Liver Targeting and Biodistribution Profiling in an Animal Model using Radiolabeling Technique. *Journal of Drug Delivery Science and Technology*. February 2025.

Work Experience

- Teaching assistant at Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University. From March 2018 to April 2021.

My role was to give practical sessions in the following courses:

Undergraduate Courses:

- Physical Pharmacy course
- Pharmaceutics III course
- Industrial Pharmacy I
- Industrial Pharmacy II
- Quality Control and Quality Assurance course
- Dosage Form II
- Biopharmaceutics and Pharmacokinetics

Postgraduate Courses

- Cosmetic Diploma.
- Assistant lecturer at Pharmaceutics and Industrial pharmacy, Faculty of Pharmacy, Cairo University, from May 2021 to September 2023.

My role was to give practical sessions in the following courses:

Undergraduate Courses:

- Physical Pharmacy course
- Pharmaceutics III course
- Industrial Pharmacy I
- Industrial Pharmacy II
- Quality Control and Quality Assurance course
- Radiopharmaceuticals

Undergraduate Courses:

- Lecturer at Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, October 2023 and present.
- Instructed undergraduate students in Pharmaceutics IV course (Ophthalmic products).
- Advanced drug delivery systems course.
- Instructed undergraduate students in Pharmaceutics III course (capsules and microencapsulation).

Postgraduate Courses

- Cosmetic Diploma and Industrial pharmacy diploma.
- Instructed Postgraduate students (Diploma) in Cosmetic lecture.
- Instructed Postgraduate students (Diploma) in layout of industrial firm lecture.

Job Description

- Assist faculty members with instruction, exams, record keeping, and other miscellaneous projects.
- Setting up assignments and exams for undergraduate and postgraduate students.

- Perform laboratory research.
- Interact with undergraduate and postgraduate students through face to face or through online platform such as (blackboard or Microsoft team communication systems) to assist them in understanding their courses.
- Enforce laboratory rules.
- Meet with students during working office hours.
- Conducting of scientific research mainly in drug delivery and nanotechnology fields.

Professional services

- A member of Safe Handling & Disposal of Chemical & Biologicals Committee, Faculty of Pharmacy, Cairo University, 2023 and present.
- A member of Purchasing Committee of Small Equipment, Faculty of Pharmacy, Cairo University, 2022 – present.
- A member of the Performance Appraisal and Quality Assurance, Faculty of Pharmacy, Cairo University, (2019 – 2021), and (2023 – present).
- A member in organizing the annual conference of Pharmaceutics and Industrial Pharmacy Department, Faculty of Pharmacy, Cairo University, 2018-2019.

Courses and Workshops

- November 2023: Internal Revision Training workshop, Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University.
- October 2023: Creative Thinking Training workshop, Faculty and Leadership Development Center, Cairo University.
- October 2023: Equipment Calibration workshop, Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University.
- March 2023: Financial and Legal Aspects of University Business Training workshop, Faculty and Leadership Development Center, Cairo University.
- November 2022: Accelerate your Biotechnology Research and Education through JoVE's workshop, Biotechnology Center, Faculty of Pharmacy, Cairo University.
- October 2022: Preparing Competitive Projects to Fund Research workshop, Faculty and Leadership Development Center, Cairo University.
- July 2022: "مبادرات تعزيز ونشر الوعي بمعايير جايزه المؤسسة المتميزة" workshop, Performance Appraisal and Quality Assurance Unit, Faculty of Pharmacy, Cairo University.
- June 2022: Question Banks Training workshop, Faculty and Leadership Development Center, Cairo University.
- January 2022: Ethics of Scientific Research Training workshop, Faculty and Leadership Development Center, Cairo University.
- November 2021: Egyptian Knowledge Bank and Sources for Searching for Information workshop, Faculty and Leadership Development Center, Cairo University.
- May 2021: Basics of Blended Learning Training workshop, Faculty and Leadership Development Center, Cairo University.
- January 2021: Critical Thinking Training workshop, Faculty and Leadership Development Center, Cairo University.
- October 2020 :International Publishing of Scientific Research Training workshop, Faculty and Leadership Development Center, Cairo University.

- October 2019: "الدوره متخصصه في اعمال الجودة" workshop, Performance appraisal and quality assurance unit, Faculty of Pharmacy, Cairo University.
- October 2019: Course Specification and Blue Print Writing workshop, Performance appraisal and quality assurance unit, Faculty of Pharmacy, Cairo University.
- September 2019: Mendeley Citation Manger Software workshop, Faculty of Pharmacy, Cairo University.
- July 2019: Clinical Practice Training workshop, Faculty and Leadership Development Center, Cairo University.
- June 2019: How to Write a Successful Animal Care Protocol workshop, EAARA Department, Faculty of Science, Cairo University.
- January 2019: Organizing Scientific Conferences Training workshop, Faculty and Leadership Development Center, Cairo University.
- September 2018: Organizing Exams and Evaluating Students Training workshop, Faculty and Leadership Development Center, Cairo University.
- May 2018: Problem-Based Learning workshop, Faculty and Leadership Development Center, Cairo University.