



# Nermeen Hisham Kamal

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Date of birth: 14/11/1990 | Nationality: Egyptian | Gender: Female |

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24, Nour El Hoda street Louran, 21500, Alexandria, Egypt

## ● WORK EXPERIENCE

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12/2025-Current

### Head of the Timetable Committee

Responsible for coordinating academic schedules and ensuring optimized course allocations.

06/2025- Current

### General Academic advisor for Pharm D program and Sudanese students' program.

- Provide academic guidance and support to pharmacy students, assisting with course selection, degree planning, registration, and addressing academic challenges through appropriate interventions.
- Monitor student progress and ensure compliance with curriculum requirements, advising on prerequisite courses, electives, and professional standards while assisting with academic petitions and appeals.

12/2024 - current

### ASSISTANT Professor OF PHARMACEUTICS AT COLLEGE OF PHARMACY, ARAB ACADEMY FOR SCIENCE, TECHNOLOGY & MARITIME TRANSPORT.

Courses involved: Pharmaceutical Dosage Forms I, Pharmaceutical Dosage Forms II, Pharmacy Orientation, Drug information Resources, Clinical Pharmacokinetics, Scientific writing and Communication skills.

□Participating in several administrative positions: Exams control committee - Student affairs committee - Strategic plan committee - Electronic correction committee- UNESCO organization Committee- Organization of Summer school.

15/09/2021 – 07/12/2024

### ASSISTANT LECTURER OF PHARMACEUTICS AT COLLEGE OF PHARMACY, ARAB ACADEMY FOR SCIENCE, TECHNOLOGY & MARITIME TRANSPORT

Courses involved: Pharmaceutical Dosage Forms I, Pharmaceutical Dosage Forms II, Pharmaceutical Dosage Forms III, Pharmaceutical Dosage Forms IV, Physical Pharmacy, Cosmetics, Clinical Pharmacokinetics, Biopharmaceutics and pharmacokinetics.

15/09/2016 – 15/09/2021

### DEMONSTRATOR AT COLLEGE OF PHARMACY, ARAB ACADEMY FOR SCIENCE, TECHNOLOGY & MARITIME TRANSPORT

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Courses involved: Pharmaceutical Dosage Forms I, Pharmaceutical Dosage Forms II, Pharmaceutical Dosage Forms III, Pharmaceutical Dosage Forms IV, Physical Pharmacy, Cosmetics, Clinical Pharmacokinetics, Biopharmaceutics and pharmacokinetics.

01/02/2016 – 01/09/2016

### CLINICAL PHARMACIST AT ALEXANDRIA MAIN UNIVERSITY HOSPITALS (HEMATOLOGY DEPARTMENT).

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15/09/2015 – 01/01/2016

**MANDATED AS A DEMONSTRATOR IN BIOCHEMISTRY DEPARTMENT, FACULTY OF PHARMACY ALEXANDRIA UNIVERSITY.**

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01/01/2015 – 01/01/2016

**COMMUNITY PHARMACIST AT ALEX PHARMACIES**

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## ● EDUCATION AND TRAINING

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01/10/2021 – 12/2024 – Alexandria, Egypt

**PhD in Pharmaceutical Sciences (Pharmaceutics department) - Faculty of Pharmacy, Alexandria University.**

The Phd thesis is entitled “Development and Evaluation of Nano-Drug Delivery System as Cell-Free Therapy for Cardiac Regeneration”

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02/02/2017 – 01/09/2021 – Alexandria, Egypt

**M.Sc in Pharmaceutical Sciences (Pharmaceutics department) - Faculty of Pharmacy, Alexandria University (GPA 3.5).**

The M.Sc thesis is entitled “Development and Evaluation of Locally Targeted Biocompatible micro/nano-drug delivery systems For Orthopedic fractures”.

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15/09/2009 – 07/06/2014 – Alexandria, Egypt

**B.Sc in CLINICAL Pharmacy (GPA 3.91) - Faculty of pharmacy, Alexandria University**  
Achieved academic ranking: **11th** out of the full Bachelor’s cohort.

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## ● LANGUAGE SKILLS

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Mother tongue(s): ARABIC

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH B2		C1	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● SHORT TERM MOBILITY AT VALLADOLID UNIVERSITY, SPAIN

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15/02/2020 – 30/04/2020

**Has been an ERASMUS+ KA107 student at University of Valladolid Spain.**

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Participated in research activities in the in the programme of: Master's Degree in Nanoscience and Molecular Nanotechnology.

## ● PUBLICATIONS

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### Publications

Kamal, N.H., Heikal, L.A., Helmy, M.W. et al. Bromelain-functionalized omega-3 nanocarriers for targeted icariin delivery: a multifunctional shield for cardiac repair in doxorubicin-induced injury. *J Mater Sci: Mater Med* **36**, 115 (2025). <https://doi.org/10.1007/s10856-025-06915-1>

Kamal, N.H., et al., HDL and LDL-bioinspired nanocarriers in acellular targeted delivery of Icariin for cardiac repair post myocardial infarction. *European Journal of Pharmaceutics and Biopharmaceutics*, 2025. **214**: p. 114816.

Nermeen H.Kamal, Lamia A.Heikal,and Ossama Y.Abdallah. "The Future of Cardiac Repair: A Review on Cell-Free Nanotherapies for Regenerative Myocardial Infarction" *Drug Deliv. and Transl. Res.* (2025). <https://doi.org/10.1007/s13346-024-01763-y>

Nermeen H.Kamal, Lamia A.Heikal, Mai M.Ali, Rania G.Aly and Ossama Y.Abdallah." Development and evaluation of local regenerative biomimetic bone-extracellular matrix scaffold loaded with nano-formulated quercetin for orthopedic fractures". *Biomaterials Advances*. 2023;145:213249.

Nermeen H.Kamal, Fatema El-Amrawy, Heba Abdullah Ali, Ivan Edafiogho, Mohamed Ismail Nounou, "Is active targeting of brain metastases of breast cancer superior to passive targeting?", *journal of J Cancer Metastasis Treat* 2019;5:11.

## ● CONFERENCES AND SEMINARS

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### Conferences

- Supervised a student poster and oral presentation entitled "**From Plants to Nanomedicine: Clove Oil Encapsulated in NLCs for Optimum Antibacterial Application**" for participation in the Dubai International Pharmaceutical and Technology Conference & Exhibition (DUPHAT) 2026.
- Supervised a student poster and oral presentation entitled "**LDL-Bioinspired Nanoparticles as a Targeted Drug Delivery Platform for Cancer Treatment**" for participation in the Dubai International Pharmaceutical and Technology Conference & Exhibition (DUPHAT) 2026.
- Accepted professional poster and flash talk entitled "**A Comparative Study on the Targeting Efficiency of LDL and HDL Bioinspired Nanocarriers for Infarcted Myocardium**" at the 9th Nano Today Conference, that will be held in Singapore.
- Participated in the Launch of the Arab Women in Science Platform that was held on 1<sup>st</sup> of June 2025 at the AASTMT Smart Campus in Cairo.
- Supervised a student poster entitled "**Icariin-loaded Hyalurosomes: A Promising Nano-formulation for Management of Various Skin Disorders**" at the 12<sup>th</sup> International Scientific Conference of Cairo University.
- Accepted professional poster entitled "**The Potential Effect of L-carnosine loaded Hyalurosomes as a Novel Anti-aging Nano-cosmoceutical Gel**" in the Controlled Release Society (CRS) Annual Meeting & Expo that will be held in *Philadelphia (USA)*, July 14-18, 2025.

- A professional poster entitled “The Bone Regenerative Potential of Various Quercetin Loaded Lipid nano-formulations Loaded in Biodegradable Calcium Phosphate Cement Scaffolds” in the Controlled Release Society (CRS) Annual Meeting & Expo that was held in *Bologna (Italy), July 8-12, 2024*. The poster won the second-place poster award during the conference among more than 1200 posters. The award was organized by the Royal Society of Chemistry (RSC Pharmaceuticals).
- A professional poster entitled “Formulation of Regenerative Brushite Cement Scaffold Loaded with Quercetin-Phytosomes for Repair of Bone Defects” in the 2<sup>nd</sup> International Conference and Exhibition on “Pharmaceutical & Healthcare Science” PHS 2022.
- Attended PHS 2021 Webinar entitled “Artificial Intelligence in Healthcare” during 27-28 November 2021.
- Attended PHS 2020 Webinar entitled “Personalized Medicine: A challenging health care model for human wellness” during 28-29 November 2020.
- Supervised a student poster and oral presentation entitled “Green Technology: Potential application of plant-mediated synthesis of some metal nanoparticles” for participation in the 22<sup>nd</sup> Dubai International Pharmaceutical and Technology Conference & Exhibition (DUPHAT) 2018.
- Supervised a student poster and oral presentation entitled “*Plant extracts as anticancer: future prospective as nano- pharmaceuticals*” for participation in the 22<sup>nd</sup> Dubai International Pharmaceutical and Technology Conference & Exhibition (DUPHAT) 2017.

## ● Grants

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- Principal investigator of a research proposal entitled: “**REGENERATIVE NANOMEDICINE FOR TARGETED CARDIAC REPAIR POST MYOCARDIAL INFARCTION**” in AASTMT RESEARCH 2025 CALL FOR COLLABORATION RESEARCH AND INNOVATION PROJECT.

## ● Awards

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- Second-place poster award among more than 1200 posters in the Controlled Release Society (CRS) Annual Meeting & Expo that was held in *Bologna (Italy), July 8-12, 2024*. The award was organized by the Royal Society of Chemistry (RSC Pharmaceuticals).

## ● Workshops

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- AI in Scientific Research
- The generative AI Diploma by AASTEC
- Remark Online correction workshop.
- Educational Preparation Course – February 2017
- Training Course on Education Systems and Quality at AASTMT – 2018
- Course on Requirements for Obtaining ACPE Accreditation – 2021

- Course on the Credit Hour System and Academic Advising – 2022
- Course on Quality Standards in the Educational Process – 2022
- Moodle Training Course – 2022
- Emotional Intelligence in Education Course – 2023
- Workshop on Training for the Academy’s Strategic Plan Monitoring and Reporting Systems – 2024

## ● **Mentoring Experience**

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- One of the supervisors for a PhD thesis “**REGENERATIVE NANOMEDICINE FOR TARGETED CARDIAC REPAIR POST MYOCARDIAL INFARCTION**”  
Department of Pharmaceutics, Faculty of Pharmacy, Alexandria University.