

MANAR M. ESSA

EDUCATION

Exchange Program at University of Texas at Austin (UT)

The 7th announcement of the Higher Education Initiative - Graduate Scholarships for Professionals (GSP). **Feb 2023-May 2023**

Doctor of Philosophy | Pharmacy

2022 – Present

Cairo University, Egypt

- Thesis: Design and Evaluation of Different Nanocarriers to Enhance the Pulmonary Delivery of a Certain Drug

Master of Science | Pharmacy

2017 – 2022

Ain Shams University, Egypt

- Thesis: Advanced Drug Delivery Systems for Management of Otitis Media
- Laboratory techniques: Ethanol Injection Method, Thin Film Hydration Method, Using Nanosep, using (UV Spectrophotometer-Zetasizer- Rotavapor – Homogenizer)

Bachelor of Pharmacy | Excellent with Honor Distinction, Ranking (4th)

2010 – 2015

Future University in Egypt (FUE, partner of University College Cork, Ireland)

GPA: 3.88/4.0 •

Thesis: Designing and Manufacturing of High Shear Impact Mixer.

PROFESSIONAL EXPERIENCE

Teaching Assistant and Demonstrator

Sep. 2016 – Present

Department of Pharmaceutics and Pharmaceutical Technology, Future University in Egypt Teaching courses:

- Pharmaceutics 1, Pharmaceutics 2 & Pharmaceutics 3
- Biopharmaceutics and Pharmacokinetics
- Skin care and cosmetology
- Physical Pharmacy
- Quality Control and Quality Assurance
- Industrial Pharmacy

Teaching Assistant and Demonstrator

Sep. 2015 – Sep. 2016

Department of Pharmacology, Toxicology, and Biochemistry, Future University in Egypt Teaching courses:

- Pharmacology 1, Pharmacology 2, & Pharmacology 3
 - Toxicology
 - Biostatistics
-

INTERNSHIPS

Summer Trainee

2014

Doctor Fady Pharmacy, Egypt

Workshop of Research processes: Overview and Principles | **DAAD kairo Akademie**

2022

Reduce, reuse, recycle solvent webinar | **BUCHI Laboratory Equipment**

2022

Workshop of Constructive Assessment for Learning | **DAAD kairo Akademie**

2022

Workshop of Effective Communication in Teams | **DAAD kairo Akademie**

2021

Workshop of Proposal Writing for Master& PhD Candidates | **DAAD kairo Akademie**

2021

Workshop of Academic Research Skills | **DAAD kairo Akademie**

2021

Webinar for Buchi about Advanced Laboratory Drying Techniques | **Future University in Egypt**

2020

Workshop of Online learning Publishing in Indexed Journals | **Ain Shams University**

2020

Workshop of Online learning Scientific Writing | **Ain Shams University**

2020

Workshop of Team -Based Learning | **The 5th FUE International Conference of Pharmaceutical Sciences**

2019

Summer Trainee
Ezaby Pharmacy, Egypt

2013

TRAINING & WORKSHOP

Workshop of Fundraising Skills and Best Practices DAAD kairo Akademie	2018
Hands -on practical course on Nano Drug Delivery Systems NAWAH Scientific Research	2016
Workshop of Professional Ethics Future University in Egypt	2015
Forensic Pharmacy Workshop - Student Conference on Pharmaceutical Studies Ain Shams University	2014

EXTRA-CURRICULAR ACTIVITIES

Department Representative | Examination Control Panel (Organization and Management of Courses Results)

Member | Academic advising committee of undergrad student

Member | strategic planning committee

Member | check of chemical material

Academic Advisor | 30 students

Participant | 36th International scientific conference of pharmaceutical sciences, Egyptian pharmaceutical society, 2022

Organizer | 5th FUE International Conference of Pharmaceutical Sciences, Cairo 2019

Organiser | 4th FUE International Conference of Pharmaceutical Sciences, Cairo 2017

Organizer | 3rd FUE International Conference of Pharmaceutical Sciences, Cairo 2014

SKILLS

Languages

- **Arabic:** Native speaker
- **English:** Professional working Fluency

Laboratory Techniques:

- Cream formulation
- Emulsion and suspension preparation
- Suppository preparation

RESEARCH PUBLICATION

Localized drug delivery to the middle ear: Recent advances and perspectives for the treatment of middle and inner ear diseases. Magdy, M., Elmowafy, E., Elassal, M., & Ishak, R. A. (2022). *Journal of Drug Delivery Science and Technology*, 103149. IF:5.062. Doi.org/10.1016/j.jddst.2022.103149

Engineered Triamcinolone Acetonide loaded Glycosomes as a Novel Ear Delivery System for the Treatment of Otitis Media, under review in *International Journal of Pharmaceutics*. Magdy, M., Elmowafy, E., El-Assal, M. I., & Ishak, R. A. (2022). *International Journal of Pharmaceutics*, 628, 122276. IF:6.51. Doi.org/10.1016/j.ijpharm.2022.122276

ACHEIVEMENTS & AWARDS

Participate | Competition for the best graphical abstract -yearly conference | **Ain Shams University, 2021**

Poster presentation entitled: Biodegradation of Some Phenolic Compounds by Burkholderia cepacia Strain | **The 3rd FUE International Conference of Pharmaceutical Sciences, Cairo 2015**

Awarded the **ACDIMA** award for best research in science and applied phramaceutical technology for 2022