Curriculum Vitae

Name: Amira Hazem Mohamed Mansour
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Nationality: Egyptian

Objective: I am interested in working as lecturer which will give me experience for my future career and is satisfying my objectives at this stage.

Summary: Formulation scientist, interested in formulating drugs in delivery carriers that enhance drug performance, with a specific focus on nanoparticles as polymeric, liposomal, silica and metal organic frameworks (MOFs). Also, interested in developing nano-structures-based biosensors of bacterial and viral diseases. Skills: Nanoparticles' preparation and characterization, molecular biological tests as PCR and gel electrophoresis.

Education:

-**2023**, Nanoscience PhD, Zewail city of science and technology with grade ***Excellent*** **equivalent to the PhD degree of the Egyptian governmental universities of Nanoscience and biomedical sciences according to the decision number (358) of the Supreme Council of Universities**.

-**2016,** Nanotechnology Master at The American University in Cairo (AUC) with grade *very good*.

-**2010**, Clinical pharmacy diploma at Ain shams university with grade *very good*

-**2007**, Faculty of Pharmacy, Misr international university, Bachelor degree of Pharmaceutical sciences with grade *Good*

-2007 Achieved *First aid* Training course hosted and certified by Ministry of health

Publications:

1- A single tube system for the detection of Mycobacterium tuberculosis DNA using gold nanoparticles-based FRET assay
Amira Mansour, Asma Althani, Salma Tammam, Hassan M. E. Azzazy
Journal of Applied Microbiology. 2017

2- Book chapter: Theranostic applications of nanoemulsions in pulmonary diseases
Amira Mansour, Ibrahim M. El-Sherbiny
Design and applications of theranostic nanomedicine, 2023

3- Dual-Enhanced Pluronic Nanoformulated Methotrexate-Based Treatment Approach for Breast Cancer: Development and Evaluation of In Vitro and In Vivo Efficiency

Amira Mansour, Mohamed Yehia, Alaa Bakr, Monira Ghoniem, Fatima Adam, Ibrahim El-Sherbiny

Journal of Pharmaceutics, 2022

4- Fortified anti-proliferative activity of niclosamide for breast cancer treatment: *In-vitro* and *in-vivo* assessment

Amira Mansour, Mohamed Y. Mahmoud, Alaa F. Bakr, Monira G. Ghoniem, Fatima A. Adam, Ibrahim M. El-Sherbiny

Journal of Life sciences, 2023

5- Core-shell nanostructured drug delivery platform based on biocompatible metal organic framework-ligated polyethyleneimine for targeted hepatocellular carcinoma therapy"

Fytory, Mostafa; **Mansour, Amira**; El Rouby, Waleed; Farghali, Ahmed; Zhang, Xiaorong; Bier, Frank; Abdel-Hafiez, Mahmoud; El-Sherbiny, Ibrahim

ASC Omega, 2023

6- Book chapter: Resealed erythrocytes-based drug delivery

Amira Mansour, Ibrahim M. El-Sherbiny

Design and applications of theranostic nanomedicine, 2023

7- In-vitro and in-vivo assessment of pH-responsive core-shell nanocarrier system for sequential delivery of methotrexate and 5-fluorouracil for the treatment of breast cancer

Amira Mansour, Mostafa Fytory, Osama M. Ahmed, Fatema El-Zahraa S. Abdel Rahman, Ibrahim El-Sherbiny

International journal of pharmaceutics, 2023

8- Therapeutic effect of dual-ligated doxorubicin-loaded nanosized metal organic framework decorated with obeticholic acid as novel nuclear targeting of hepatocellular carcinoma

Amira Mansour, Mostafa Fytory, Ibrahim El-Sherbiny

Journal of drug delivery science and technology, 2024

9- Metallic nanomaterials in Parkinson’s diseases: a transformative approach for early detection and targeted therapy

Amira Mansour, Mariam Hossam Eldin, Ibrahim El-Sherbiny

Journal of materials Chemistry B, 2025

Computer Skills:

- Windows, Office package, Internet: Excellent

Professional Experience:

- Adjunct assistant professor, center of material science, Zewail city of science and technology (September, 2023 to present)

- Adjunct assistant professor, Technological October University, (September, 2023 to present)

- Teaching assistant and research assistant of Nanomedicine in center of material science, Zewail city of science and technology (March 2020 to June, 2023)

- Regulatory affairs team member, Procter and Gamble Egypt (March, 2017 to April, 2020)

- Research assistant at novel diagnostics and therapeutic research group, AUC (September, 2014 to September, 2016)

- Working in Ashraf Mansour pharmacy (June, 2007 to June, 2010)

Teaching experience

Adjunct assistant professor, Nanoscience program, Zewail city of science and technology, Sept. 2023 to present.

- Undergraduate courses: Nanopharmaceutics, Nanotoxicology

Adjunct assistant professor, pharmaceutical manufacturing department, October technological university, Sept. 2023 to present.

- Undergraduate courses: Industrial pharmacy, principles of liquid dosage forms, Principles of quality control and quality assurance, Quality control principles of packaging

Teaching assistant, Nanoscience program, Zewail city of science and technology, Sept. 2021 to June 2023.

- Undergraduate courses of general chemistry

References:

-Are furnished upon request