

CURRICULUM VITAE

Amira Emad Abd El Aziz

Personal Data

Title : Lecture in Pharmacology and Toxicology
 , Arab Academy for Science, Technology &
 Maritime Transport, Alexandria

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Nationality : Egyptian.

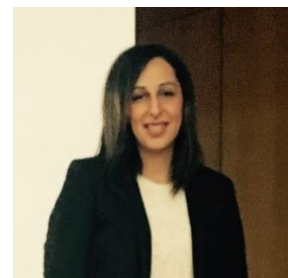
Date of Birth : September, 20th 1984.

Place of Birth : El Agouza, Cairo, Egypt.

Marital Status: Married.

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Google Scholar: <https://scholar.google.com.eg/citations?hl=en&user=xiU9avkAAAAJ>



Education

- *Ph.D. in Pharmacology & Toxicology Faculty of Pharmacy Cairo University*
- *Master of Science in Pharmacology & Toxicology GUC, June, 2010*
- *Graduate from Cairo university-Faculty of Pharmacy in 2006 with grade. (Very good) with honor.*
- *Graduate from Misr language schools 2001 grade 96.5%.*

Biography

- Amira Emad Abd El Aziz Received her Master degree of Science in Pharmacology & Toxicology from the German University in Cairo Faculty of pharmacy and Biotechnology GUC, in studying the Anti-allergic and Antihistaminic effect of Thymoquinone on Airway induced hypersensitivity in experimental animals June, 2010,
- PhD received from Faculty of Pharmacy Cairo University in Pharmacology and toxicology, studying the possible neuroprotective effects of certain antihypertensive drugs in cuprizone model of multiple sclerosis in mice.
- Since 2015 she has been working as Researcher in Center of Excellence in the, Arab Academy for Science, Technology & Maritime Transport and a Committee member for establishing a new research track in the field of biotechnology and Nano-biomaterials.

Teaching experience

- **The German University in Cairo From: 1.9.2006 to 1.8.2010**

Worked as a Teaching assistant in the faculty of pharmacy and biotechnology.

2006-2008 Responsible for labs and tutorials in the pharmaceutical technology department

2008- 2010 Responsible for labs and tutorials in the pharmacology and toxicology department.

- **Arab Academy for science, Technology and Maritime Transport**

- Working as a teaching assistant in Smart Village, Sheraton Faculty of Engineering [Basic Sciences Department].
From September, **2014**
- Research assistant in the Center of Excellence for nanotechnology in the Arab Academy for science, Technology and Maritime Transport from **2015** till present.
- Lecturer in pharmacology department in faculty of pharmacy ,Arab Academy for Science ,Technology and Maritime Transport, Alexandria from February **2022** till present

Research Experience & Publications

Working in Center of Excellence Arab Academy for Science and Technology and Maritime transport, the Center is providing Master in Nano-science and Nano-engineering part of XNEM Program, Research assistance for the Master students in topics of medical biosensors Nanocomposites, printed electronics

An experience on working with biological samples and investigating the pharmacological and toxicological effects of different nutraceuticals. I published a research articles in this field:

- **“The Anti-allergic effect of Thymoquinon on Airway Induced Hypersensitivity in Experimental Animals”**, Journal of applied pharmaceutical sciences, Vol. 01 (08), 109-117, (2011).
- **Neuroprotective Effects of Telmisartan and Nifedipine Against Cuprizone-Induced Demyelination and Behavioral Dysfunction in Mice: Roles of NF- κ B and Nrf2, Inflammation (2021).**<https://doi.org/10.1007/s10753-021-01447-6>.

- **The Tiny Big World of Solid Lipid Nanoparticles and Nanostructured Lipid Carriers:AnUpdatedReview(2021)**
Journal of Microencapsulation <https://doi.org/10.1080/02652048.2021.2021307>
- **Antioxidant-biocompatible and stable catalase-based gelatin–alginate hydrogel scaffold with thermal wound healing capability: immobilization and delivery approach”,** 3 Biotech (2022) 12:73 <https://doi.org/10.1007/s13205-022-03131-4>.
- **Biomimetic CaCO₃ microspheres as a promising delivery system for catalase: Immobilization, kinetic studies and potential perspectives in oxidative stress diseases** (2024), Process biochemistry <https://doi.org/10.1016/j.procbio.2024.06.010>
- **Newly designed curcumin-loaded hybrid nanoparticles: a multifunctional strategy for combating oxidative stress, inflammation, and infections to accelerate wound healing and tissue regeneration,**
BMC Biotechnol 25, 49 (2025). <https://doi.org/10.1186/s12896-025-00989-z>
- **Carvedilol Confers Neuroprotective Activity Through Modulating Ferroptosis Key Players and PINK1/PARKIN Mediated Mitophagy in an Experimental Parkinson's Rat model,** Journal of biochemical and molecular toxicology 2025 Nov;39(11):e70607. doi: 10.1002/jbt.70607.