

Amira Sayed Hanafy



Address: Pharos University in Alexandria, Canal El Mahmoudia Street
Beside Green Plaza Complex, Alexandria, Egypt

Phone no.: +201 223 283 619

E-mail: amira.sayed@pua.edu.eg

Date of birth: 29th Nov 1986

Status: Single

Google scholar:

<https://scholar.google.com/eg/citations?user=Z2pMxGEAAAJ&hl=en&oi=ao>

Nationality: Egyptian

Driving License: valid

Education:

- Sep 2013 - Oct 2015** **Doctor of Philosophy of Pharmaceutical Sciences (Pharmaceutics)**, Faculty of Pharmacy, Alexandria University. *PhD thesis title: "A Study on Some Advanced Techniques Used for The Management of CNS Diseases"*.
Lead Supervisor: Prof. Safaa S. ElGamal
- Sep 2009 - May 2013** **Master of Pharmaceutical Sciences (Pharmaceutics)**, Faculty of Pharmacy, Alexandria University. *Master's thesis title: "Formulation and Evaluation of Some Pulsatile Drug Delivery Systems"*.
Lead Supervisor: Prof. Safaa S. ElGamal
- Sep 2003 - Jun 2008** **Bachelor of Pharmaceutical Sciences**, Faculty of Pharmacy, Alexandria University
(Grade: Excellent with honours)

Languages:

Arabic	Mother tongue Fluent reading, writing and speaking
English	- IELTS-certified, Score: 7.5, 2016 - TOEFL ITP-certified, Score: 607, 2015
French & German	Elementary knowledge

Working Experience:

- Nov 2015 - till date** **Lecturer of Pharmaceutics**, Department of Pharmaceutics and Drug Manufacturing, Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA)
- May 2013 - Oct 2015** **Assistant Lecturer**, Department of Pharmaceutics and Drug Manufacturing, Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA)
- Sep 2008 - May 2013** **Demonstrator**, Department of Pharmaceutics and Drug Manufacturing, Faculty of Pharmacy & Drug Manufacturing, Pharos University in Alexandria (PUA)

Publications:

Refereed Journal Publications

Hanafy AS, Farid RM, Helmy MW, ElGamal SS. (2016). **Pharmacological, Toxicological and Neuronal Localization Assessment of Galantamine/Chitosan Complex Nanoparticles in Rats: Future Potential Contribution in Alzheimer's Disease Management.** *Drug Delivery*. DOI:10.3109/10717544.2016.1153748

Hanafy AS, Farid RM, ElGamal SS. (2015). **Complexation as an Approach to Entrap Cationic Drugs into Cationic Nanoparticles Administered Intranasally for Alzheimer's Disease Management: Preparation and Detection in Rat Brain.** *Drug Development and Industrial Pharmacy*. 41(12): 2055-2068

Sokar MS, Hanafy AS, ElKamel AH, ElGamal SS. (2015). **Design of Chronomodulated Drug Delivery System of Valsartan: In Vitro Characterization.** *Indian Journal of Pharmaceutical Sciences*. 77(4): 470-477

Sokar MS, Hanafy AS, El-Kamel AH, ElGamal SS. (2013). **Pulsatile Core-in-cup Valsartan Tablet Formulations: In Vitro Evaluation.** *Asian Journal of Pharmaceutical Sciences*. 8(4): 234-43

Review Articles

Wen MM, El-Salamouni NS, El-Refaie WM, Hazzah HA, Ali MM, Tosi G, Farid RM, Blanco-Prieto MJ, Billa N, Hanafy AS. (2016). **Nanotechnology-based Drug Delivery Systems for Alzheimer's Disease Management: Technical, Industrial, and Clinical Challenges.** *Journal of Controlled Release*. DOI: 10.1016/j.jconrel.2016.11.025

ElHabashy SE, Nazief AM, Adkins CE, Wen MM, ElKamel AH, Hamdan AM, Hanafy AS, Terrell TO, Mohammad AS, Lockman PR, Nounou MI. (2014). **Novel Treatment Strategies for Brain Tumors and Metastases.** *Pharmaceutical Patent Analyst*. 3(3): 279-296

Conference Presentations

Hanafy AS. **Polymeric Nanoparticles for CNS Targeting: It Is Time to Think About The Nanotoxicological Aspects.** Oral presentation under Young Research Forum in *Pharma Middle East-2015 Conference*, 02-04 Nov 2015, Dubai, UAE.

Refereed Conference Publications

Hanafy AS, Farid RM, ElGamal SS. **Complexation as an Approach to Entrap Cationic Drugs into Cationic Nanoparticles Administered Intranasally for Alzheimer's Disease Management: Preparation and Detection in Rat Brain.** Poster in the *4th International Conference on Neurology and Therapeutics*, July 27-29, 2015 at Rome, Italy.

Sokar MS, Hanafy AS, El-Kamel AH, ElGamal SS. **Valsartan Time-Clock Pulsatile Tablet Formulations: Preparation and In Vitro Evaluation.** Poster in the *4th International Conference and Exhibition on Pharmaceutics & Novel Drug Delivery Systems*, March 24-26, 2014, San Antonio, USA.

Technical Skills:

Pharmaceutical technology of solid dosage forms (powders, tablets and capsules):

- Powder characterization (flowability and compressibility)
- Preparation of tablets by direct compression, wet granulation, and dry granulation using a single punch tablet press machine
- Spray coating
- Quality control of tablets (friability, hardness, disintegration, weight and content uniformity)
- Quality control of capsules (disintegration, weight and content uniformity, water uptake)
- Dissolution rate studies and release profile modelling
- Stability testing

Nanotechnology:

- Polymeric nanoparticles preparation
- Physicochemical characterization of nanoparticles (drug content, drug release, particle size, zeta potential, entrapment efficiency, process yield, mucoadhesion, visualization by transmission electron microscopy)
- Stability testing
- Synthesis of fluorescent-labelled polymers

Miscellaneous techniques/devices:

- Differential scanning calorimetry
- Fourier transform-infrared spectrometry
- Dynamic light scattering technique
- Fluorescence microscopy
- Light microscopy

Animal studies:

- Dissections (rats)
- Intranasal and oral administration (rats)

Transdermal dosage forms:

- Preparation and characterization of matrix-type transdermal patches (single- and multi-layered)

Personal Skills:

- Coordinating the work between multidisciplinary teams.
- Leadership capabilities
- Good adaptability

Training:

Computer skills	ICDL-certified, ChemDraw Ultra 7.0, GraphPad Prism 5.0, EndNote X4, ImageJ 1.46r, Adobe Photoshop CS5, Adobe Illustrator CS5, Statgraphics Centurion XVI
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- 2015 Attending **“Writing a Research Project Proposal” Workshop**, *Education Development Center*, Pharos University in Alexandria
- Attending **“Leadership” Workshop by George Marquis, Ph.D.** (Associate Dean of the School of Humanities & Social Sciences, American University in Cairo), *Education Development Center*, Pharos University in Alexandria
- 2013 Completed a professional six-module program in **Pedagogy (method and practice of academic teaching)**
- 2007 Completed **104 hours training program** in pharmaceutical industries at **Amriya Pharmaceutical Industries Company, Egypt**
- 2006 Completed **60 hours training program** in pharmaceutical industries at **Pharco Pharmaceuticals Company, Egypt**

Conferences, Symposia, Workshops:

- 2016 Attending **BioVision Alexandria 2016 International Event** organized by the Bibliotheca Alexandrina in partnership with the World Life Sciences Forum, BioVision, 12-14 April, **2016**, Alexandria, Egypt.
- 2012 **Hanafy AS, Sokar MS, El-Kamel AH, ElGamal SS. Formulation and Evaluation of Some Pulsatile Drug Delivery Systems.** Poster in the **IBRO-UNESCO Interregional School on Computational Neuroscience, 2012**, Hyderabad, India.

Visited Sites:

- 2012 **Selected among 30 other international students, and won a travel grant, to attend the “IBRO-UNESCO Interregional School on Computational Neuroscience” in Hyderabad, India**

Activities:

2015 Member of the Publicity and Public Relations organization committee of the ***First PUA International Conference on Advances in Pharmaceutical Sciences (1st PUA- ICAPS)***, Alexandria, Egypt, 27-29 October **2015**

2009 Member of the organization committee and presenter in ***Nanoscience and Nanotechnology at Gance International Conference***, Cairo-Alexandria, Egypt, 15-16 January **2009**

Reviewer at the peer reviewed journals:

1. **AAPS PharmSciTech** (<https://www.aaps.org/PharmSciTech/>)
2. **Neuropeptides** (<http://www.journals.elsevier.com/neuropeptides/>)

References are upon requests.