

CURRICULUM VITAE

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AFFILIATION: Department of Pharmaceutics
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EDUCATION:

2000-2005 Bachelor of Pharmaceutical Sciences 2005, with general grade Distinction with Honor (A+), Third on my Class (Top 1%), Faculty of Pharmacy, University of Alexandria, Egypt.

2007-2011 Master of Science 2010 in Pharmaceutical science “Pharmaceutics”, Faculty of Pharmacy, University of Alexandria, Egypt.

2012-2015 Doctor of Philosophy 2016 in Pharmaceutical Sciences “Pharmaceutics”, Alexandria University, Egypt.

ACADEMIC APPOINTMENTS:

2016 to date Lecturer, Department of Pharmaceutics, University of Alexandria faculty of Pharmacy, Alexandria, Egypt.

2011 -2015 Assistant lecturer, Department of Pharmaceutics, University of Alexandria faculty of Pharmacy, Alexandria, Egypt.

2005-2011 Teaching Assistant , Department of Pharmaceutics, University of Alexandria faculty of Pharmacy, Alexandria, Egypt. My teaching responsibilities included delivering tutorials, supervising students during labs, helping them to conduct their experiments, and marking lab reports and assignments.

TEACHING EXPERIENCE:

- Teaching experience in: formulation and dispensing of different dosage forms (liquid, semisolid, solid), pharmaceutical calculations, physical pharmacy, pharmacy practice, clinical pharmacy
- Co-supervision on master and PhD theses:
 - “Nano-engineered drug delivery systems for some antimicrobial agents”, PhD.

- “Design of lipid delivery systems for selected drugs as potential antifungal / anticancer nanotherapeutics”, PhD.
- “Development of nano-drug delivery systems for treatment of posterior ocular disease”, PhD.
- “Targeted drug delivery for management of inflammatory bowel diseases”, Master.
- “Effect of raw materials variability on the quality of some modified-release formulations”, Master.
- “Development and assessment of cyclosporine formulations for ophthalmic use”, Master.
- “A new multiple drug repurposing/ fixed dose combination / nanotechnology approach to the treatment of schistosomiasis”, Master.
- “Lipid nanocarriers for the delivery of drugs used in the control of neglected tropical diseases”, Master.
- “Development and characterization of a novel drug delivery system for glaucoma”, Master.
- “Development and Evaluation of a Novel Topical Delivery System of Antimicrobials against Chronic Wound Infections”. Master.
- Co-instructor of a post graduates special course on drug delivery (nanocarriers) (2016) and Co-Supervision of post-graduate Seminar activities (2016/2017, 2017/2018, 2018/2019, 2019/2020).
- Co-supervisor of Hospital and Clinical Pharmacy diploma seminars (autumn 2017)

SERVICE:

- Co-organizer and coeditor of department guidelines updates (since 2015)
- Pharmaceutics department quality assurance internal coordinator since 2016
- Academic advisor for clinical pharmacy students (30 students)
- Coordinator of training committee and organizer for hospital and clinical training for undergraduate students (fourth year clinical pharmacy program) (summer 2016 and 2017)
- Supervisor on clinical pharmacy training program projects prepared by undergraduate students (summer 2016 and 2017) 5 of which were submitted to DUPHAT 2017 and won the Best Presentation Award and Best Innovative Idea Award.
- Academic advisor for Pharm D 7 and 8 students (2016/2017 and 2017/2018)
- Instructor and organizer for dissertation topics for Pharm D 8 and 9 and Training organizer for PharmD8 and 9.
- Co-supervisor for undergraduate patient counseling activities

CONTINUING EDUCATION/PROFESSIONAL DEVELOPMENT COURSES, CONFERENCES AND WORKSHOPS:

- 2005 Clinical Practice for Pharmacists (Clinical Pharmacology), by Ministry of Health & Population (Giza Health Sector) in co-operation with the Medical Training Department of International Cultural Center (ICC), 15-28 August 2005.
- 2006 Biovision Alexandria “New life sciences: Changing lives”. Bibliotheca Alexandrina, Alexandria, Egypt.
- 2008 “Writing Fundable Grant Proposals”; Benha University School of Medicine, Benha, Egypt.
- 2015 “International Conference of Photodynamic and Nanomedicine for Health Sciences”, German University of Cairo, Cairo, Egypt.

- 2015 “Nanotechnology in personalized medicine”, AAPS annual meeting and exposition, Orlando, Florida, USA.
- 2018 “Annual meeting of Foundation of Clinical Pharmacy: Future of Pharmacy Education and Clinical Practice”, Cairo, Egypt.
- 2020 “LMS workshop” and TOT, Center of Excellence of Water.

The following courses were held at the **Faculty and Leadership Development Center (FLDC)**, Alexandria University, Alexandria, Egypt:

2015

- References Management System, 31 December 2014 - 1 January 2015
- E-Learning, 21-22 December 2015

2014

- University legal and financial aspects, 22-23 December 2014
- Competitive Research Projects 27-28 December 2014

2013

- Effective presentation skills, 31 July-1 August 2013
- Conference organization, 3-4 August 2013

2007

- Research Methodology, 14-17 April 2007
- Communication skills, 21-23 April 2007
- Thinking Skills, 8-10 May 2007
- Effective teaching, 12-15 May 2007.
- Financial Affairs at the university, 19-21 May 2007.
- Credit hours, 19-21 May 2007.

RESEARCH INTERESTS

Research exposure started in 2006. It is primarily focused on the development of nanocarriers for different applications and the investigation of the mechanism of efficacy enhancement achieved by the developed delivery systems through different routes of application; topical, oral, ocular ...etc.. The goal is to devise advanced delivery systems that can be effectively translated to the clinic.

PUBLICATIONS:

Thesis Dissertations:

El-Moslemany, R.M.: The use of classical additives in novel drug delivery systems. M.S. Thesis, University of Alexandria, Alexandria, Egypt, 2011.

El-Moslemany, R.M.: Development of lipid nanocarriers for the delivery of alkylphosphocholine drugs. PhD thesis. University of Alexandria, Alexandria, Egypt, 2015

Original Research Papers:

Eissa, M.M., El-Azzouni, M.Z., El-Khordagui, L.K. Amany, A.A., **El-Moslemany R.M.**, Abdel Salam, S.A., Evaluation of prophylactic efficacy and safety of praziquantel-miltefosine

nanocombination in experimental Schistosomiasis mansoni. *Acta Tropica*. 122, (2020). <https://doi.org/10.1016/j.actatropica.2020.105714>

Eissa, M.M., El-Azzouni, M.Z., El-Khordagui, L.K. Amany, A.A., **El-Moslemany R.M.**, Abdel Salam, S.A., Single oral fixed-dose praziquantel-miltefosine nanocombination for effective control of experimental schistosomiasis mansoni. *Parasites Vectors* 13, 474 (2020). <https://doi.org/10.1186/s13071-020-04346-1>

Bakr IS, Zaki AM, **El-Moslemany R.M.**, Elsaka RO, Vitamin D oral gel for prevention of radiation-induced oral mucositis: a randomized clinical trial. *Oral Diseases*. 2020 <https://doi.org/10.1111/odi.13650>

Amara RO, Ramadan AA, **El-Moslemany R.M.**, Eissa MM, El-Azzouni MZ, El-Khordagui LK. Praziquantel-lipid nanocapsules: an oral nanotherapeutic with potential *Schistosoma mansoni* tegumental targeting. *International Journal of Nanomedicine*. In press 2018

El-Moslemany, R.M., Eissa, M.M., Ramadan, A.A., El-Khordagui, L.K., El-Azzouni, M.Z.. Miltefosine lipid nanocapsules: Intersection of drug repurposing and nanotechnology for single dose oral treatment of pre-patent schistosomiasis mansoni. *Acta Trop*, 159, 2016. 142-148. doi: 10.1016.

Eissa, M. M., **El-Moslemany, R. M.**, Ramadan, A.A., Amer, E. I., El-Azzouni, M. Z., El-Khordagui, L. K.: Miltefosine lipid nanocapsules for single dose oral treatment of schistosomiasis mansoni: A **preclinical study**. *PLOS One*. 2015. DOI: 10.1371/journal.pone.0141788.

El-Moslemany, R.M. Abdallah, O., El-Khordagui, L.K. and Khalafallah, N.M.: Propylene Glycol Liposomes as a Topical Delivery System for Miconazole Nitrate: Comparison with Conventional Liposomes. *AAPS Pharm Sci Tech*, 13(2), 2012. DOI: 10.1208/s12249-012-9783-6

Presentations at Conferences

- 2020 “An itraconazole-miltefosine nanocombination with high anti-breast cancer activity”, On demand talk, CRS Virtual Annual Meeting 2020.
- 2020 “Thermoresponsive gel containing cyclosporine A loaded lipid nanocapsules for the management of dry eye disease”, poster presentation, CRS Virtual Annual Meeting 2020.
- 2020 “Mucopenetrating Albumin Nanoparticles for the Topical Delivery of Apatinib in Diabetic Retinopathy”, poster presentation, CRS Virtual Annual Meeting 2020.
- 2020 “Rifampicin-Linalool Lipid Nanocapsules: A promising Therapy For Combating Bacterial Biofilm Wound Infections”, poster presentation, 2nd PUA International Conference “Multidisciplinary Approaches in Pharmaceutical Sciences”.
- 2019 “Targeting liver cancer stem cell markers and signaling pathways using miltefosine lipid nanocapsules”, poster presentation, International Conference on Pharmaceutical & Healthcare Sciences-PHS 2019.

- 2019 “Repurposing itraconazole for breast cancer: Efficacy enhancement via a dual nanotechnology / combinational therapy approach”, poster presentation, International Conference on Pharmaceutical & Healthcare Sciences-PHS 2019.
- 2017 “Praziquantel lipid nanocapsules: An oral nanotherapeutic for potential schistosoma mansoni targeting”, poster presentation, The 17th Arab International Conference on Materials Science: Materials for novel applications. Alexandria, Egypt.
- 2015 “Efficacy of miltefosine lipid nanocapsules in the oral treatment of schistosomiasis mansoni in mice: A mechanistic insight”, poster presentation, AAPS Annual Meeting and Exposition, Orlando, Florida, USA.
- 2014 “Miltefosine lipid nanocapsules for single dose oral therapy of schistosomiasis mansoni“, oral presentation, Translational nanomedicine conference, Angers, France.

LANGUAGES

Arabic: Mother tongue

English: Professional working proficiency; Academic IELTS, total score 8 (out of 9), 2015.