

كلية الصيدلة

مكتب العلاقات الدولية

## Curriculum Vitae

### Contact Details

**Name:**  
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### Biography

#### Academic Qualifications:

**PhD:** 2019- PhD. of Pharmaceutical Sciences, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt. Thesis entitled: "Drug Delivery Systems for Macrophage Targeting"

**Master:** 2014 - M.Sc. of Pharmaceutical Sciences, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt. Thesis entitled: "Multiparticulate Carriers for Improved Pulmonary Drug Delivery".

**B.SC:** 2010 - B.Sc. of Pharmacy, grade "Distinction" (honor), Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.

#### Career History and Professional Experience

- 2019 till now, Lecturer and post-doctoral research fellow of Pharmaceutics and advanced drug delivery at the department of Pharmaceutics, Faculty of Pharmacy, Alexandria University, Egypt.
- 2018-2014, Assistant lecturer at Department of Pharmaceutics, Faculty of Pharmacy, Alexandria University, Egypt.
- 2014-2010, Demonstrator at Department of Pharmaceutics, Faculty of Pharmacy, Alexandria University, 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 in formulation and dispensing of different dosage forms (liquid, semisolid, solid). Teaching experience in pharmacy



	<p>practice through discussion sessions for different topics OTC products (Co-Supervision of Post graduate Seminar activities on the Preparation and characterization of different delivery systems (2019-now)</p> <ul style="list-style-type: none"> <li>• Co-organizer and coeditor of department guide updates (since 2020) • Pharmaceutics department quality assurance internal coordinator since 2020</li> <li>• Academic advisor for PharmD (clinical) students (30 students) and PharmD students (50 students)</li> </ul>
<b>Research Interest</b>	<p>Formulation of numerous micro and nano- drug delivery systems including microparticles, nanoparticles, etc.</p> <p>Drug targeting to various organs; lung, eye, brain, etc.</p> <p>Personalized drug delivery</p>
<b>Publications</b>	<ol style="list-style-type: none"> <li>1. Doaa E. Said, Eglal I. Amer, Eman Sheta, <b>Shaimaa Makled</b>, Fadwa M. Arafa, Hala E. Diab, Nano-Encapsulated Antioxidant: Retinoic Acid as a Natural Mucosal Adjuvant for Intranasal Immunization against Chronic Experimental Toxoplasmosis, Tropical Medicine and Infectious Disease, 8 (2), 106, (2023), <a href="https://doi.org/10.3390/tropicalmed8020106">https://doi.org/10.3390/tropicalmed8020106</a></li> <li>2. Doaa E. Said, Eglal I. Amer, Eman Sheta, <b>Shaimaa Makled</b>, Hala E. Diab, Fadwa M. Arafa, Nano-Encapsulated Melatonin: A Promising Mucosal Adjuvant in Intranasal Immunization against Chronic Experimental T. gondii Infection, Tropical Medicine and Infectious Disease, 7 (12), 401, (2022), <a href="https://doi.org/10.3390/tropicalmed7120401">https://doi.org/10.3390/tropicalmed7120401</a></li> <li>3. Sylvia Shawky, <b>Shaimaa Makled</b>, Ashraf Awaad, Nabila Boraie, Quercetin loaded cationic solid lipid nanoparticles in a mucoadhesive in-situ gel- A novel intravesical therapy tackling bladder cancer, Pharmaceutics, 14 (11), 2527, (2022) <a href="https://doi.org/10.3390/pharmaceutics14112527">https://doi.org/10.3390/pharmaceutics14112527</a></li> <li>4. Eman Ibrahim Ibrahim, Iman Fathy Abou-El-Nagaa, Mona Mohamed El-Temsahya, , Eman Sheta, <b>Shaimaa Makled</b>, Nermine Mogahed Fawzy Hussein Mogahed, A single oral dose of celecoxib-loaded solid lipid nanoparticles for treatment of different developmental stages of experimental schistosomiasis mansoni , Acta Tropica, 229, 106342 ( 2022).</li> <li>5. Maha R Taalab, <b>Shaimaa Makled</b>, Labiba Elkhordagui, Maha Tantawy, Sylvia Farid, Nitazoxanide as a new local adjunctive to nonsurgical treatment of stage II periodontitis: Clinical and Biochemical evaluation, Egyptian Dental Journal, 68(1), 457-466 (2022).</li> <li>6. Iman Fathy Abou-El-Nagaa, Mona Mohamed El-Temsahya, Nermine Mogahed Fawzy Hussein Mogahed, Eman Sheta, <b>Shaimaa Makled</b>, Eman Ibrahim Ibrahim, Effect of celecoxib</li> </ol>



	<p>against different developmental stages of experimental <i>Schistosoma mansoni</i> infection, Acta Tropica, 218,105891( 2021)</p> <p>7. <b>Shaimaa Makled</b>, Nabila Boraie, Noha Nafee, “Nanoparticle-mediated macrophage targeting—a new inhalation therapy tackling tuberculosis. Drug Delivery and Translational Research. 11, pages1037–1055 (2021) 10.1007/s13346-020-00815-3).</p> <p>8. Noha Nafee, <b>Shaimaa Makled</b>, Nabila Boraie “Nanostructured lipid carriers <i>versus</i> solid lipid nanoparticles for the potential treatment of pulmonary hypertension <i>via</i> nebulization” European Journal of Pharmaceutical Sciences, 125, 151-162 (2018)</p> <p>9. <b>Shaimaa Makled</b>, Noha Nafee, Nabila Boraie. "Nebulized solid lipid nanoparticles for the potential treatment of pulmonary hypertension via targeted delivery of phosphodiesterase-5-inhibitor". International Journal of Pharmaceutics, 507, 312-331 (2017)</p>
Conferences & workshops	<p><b>Published contribution to academic conferences:</b></p> <p><b>POSTERS:</b></p> <ol style="list-style-type: none"> <li>1. Mohammed Saeed, Hoda E. Mahmoud, <b>Shaimaa Makled</b>, Nefertiti A. El-Nikhely, Labiba K. El-Khordagui, Ahmed A. Hussein “<b>Saccharomyces cerevisiae ghost as drug bio-carrier: Application to the delivery of the anticancer Monascus purpureus red pigment</b>”. 22<sup>nd</sup> conference on Material Science: Materials Science and Sustainable Development: Towards 2030 Strategies. The Arab society of materials science (ASMS), 22<sup>nd</sup>, October 2022, Alexandria, Egypt</li> <li>2. <b>S. Makled</b>, N. Nafee, N. Boraie. “<b>Nebulized Sildenafil loaded Solid Lipid Nanoparticles (SLNs) and Nanostructured Lipid Carriers (NLCs) for potential management of pulmonary arterial hypertension</b>”. 1<sup>st</sup> Alexandria Conference of Graduate Research, 2<sup>nd</sup> May 2019, Faculty of Pharmacy, Alexandria University</li> <li>3. <b>S. Makled</b>, N. Nafee, N. Boraie. “<b>Optimized solid lipid nanoparticles for pulmonary application</b>”. 40th Annual Meeting &amp; Exposition of the Controlled Release Society, July 2013, Hawaii, USA.</li> <li>4. <b>S. Makled</b>, N. Nafee, N. Boraie. “<b>Solid Lipid Nanoparticles Improved The Targeted Delivery of Phosphodiesterase 5 Inhibitor For The Treatment of Pulmonary Hypertension</b>” 40th Annual Meeting &amp; Exposition of the Controlled Release Society, July 2013, Hawaii, USA.</li> <li>5. <b>S. Makled</b>, N. Nafee, N. Boraie. “<b>Nanostructured lipid carriers for the treatment of pulmonary hypertension via nebulization</b>” 9<sup>th</sup> World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, April 2014, Lisbon, Portugal.</li> </ol> <p><b><u>Attended Recent Conferences</u></b></p> <ul style="list-style-type: none"> <li>• PHS 2020 Webinar: Personalized Medicine: A Challenging Health</li> </ul>



	<p>Care Model for Human Wellness. 28-29 November 2020</p> <ul style="list-style-type: none"> <li>PHS 2022: Egypt Vision for Health Care 2030: 23-24 November 2022</li> </ul> <p><b><u>Attended Recent Workshops</u></b></p> <ul style="list-style-type: none"> <li>Measurement and Assessment online workshop; Basic Level of Assessment for Staff in Health Sector, 26-27 April 2021</li> <li>ADIP online workshop “online learning” July- September 2020</li> <li>Workshop on “Moodle as learning management system” organized by Alexandria University, 6-30 June 2020.</li> <li>Attendee of the workshop entitled “Principles of End Note program”. Faculty of pharmacy, Alexandria University (2012).</li> </ul> <p><b>10.</b> Attendee of the workshop entitled “How to make presentations using Prazi program”. Faculty of pharmacy, Alexandria University (2013).</p>
<b>Professional and Scientific Activities</b>	<p><b>1. Research projects:</b> None</p> <p><b>2. Master/PhD theses supervision</b></p> <ol style="list-style-type: none"> <li>Eman Ibrahim Ibrahim, Master Thesis, Potential Efficacy of Celecoxib and Celecoxib-Loaded Solid Lipid Nanoparticles Against Different Developmental Stages of Experimental Schistosomiasis mansoni, 2019, Department of Medical Parasitology, Faculty of Medicine, University of Alexandria.</li> <li>Mohammed Saeed Mohammed Khalil, Biotechnological Study of Saccharomyces Cerevisiae Ghosts as Drug Delivery Bio-Carriers Using Monascus Purpureus Secondary Metabolites as Anti-Cancer Drugs. Department of Biotechnology, Institute of Graduate Studies and Research, 2019, University of Alexandria</li> <li>Syliva Tharwat Shawky, Master Thesis, Development and Characterization of Novel Drug Delivery Systems for Various Bladder Disorders, 2020, Department of Pharmaceutics, Faculty of Pharmacy, University of Alexandria.</li> <li>Hala El-Sayed Diab, PhD Thesis, Nano-Encapsulated Antioxidants: Melatonin and Retinoic Acid as Natural Mucosal Adjuvants for Intranasal Immunization Against Chronic Experimental Toxoplasmosis, 2021, Department of Medical Parasitology, Faculty of Medicine, University of Alexandria</li> <li>Marwa Alaa Eldin Elmanawy, Master Thesis, Development and Evaluation of Novel Drug Delivery Systems for Enhancement of Ocular Drug Permeability, 2021, Department of Pharmaceutics, Faculty of Pharmacy, University of Alexandria.</li> </ol> <p><b>3. Visiting Professors to foreign universities</b></p> <p>2020-2022: Delegate Lecturer, Faculty of Pharmacy, Alamein International University, Alamein, Egypt.</p>



	<p>2020: Delegate Lecturer, Collage of Pharmacy, Arab Academy for Science and Technology, Alexandria, Egypt.</p> <p><b>. Teaching activities</b></p> <p><b>Several under and post graduate courses:</b></p> <ul style="list-style-type: none"> <li>• Pharmacy orientation</li> <li>• History of pharmacy</li> <li>• Medical Terminology</li> <li>• Pharmaceutical Calculations</li> <li>• Design and evaluation of pharmaceutical liquid dosage forms.</li> <li>• Design and evaluation of Semisolid dosage forms</li> <li>• Physical Pharmacy</li> <li>• Dispersion systems and drug stability.</li> <li>• Advanced drug delivery systems.</li> <li>• Biopharmaceutics &amp; pharmacokinetics.</li> <li>• Research methods and Seminar.</li> </ul> <p><b>Others:</b> Member of the Quality Assurance Unit, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt.</p> <p>Member of the Egyptian Pharmacist Syndicate.</p> <p>Member of Alexandria Syndicate of Pharmacists</p>
<b>Awards</b>	<ul style="list-style-type: none"> <li>• April 2011: Egyptian Pharmacist Syndicate Award for Academic Distinction.</li> <li>• May 2011: Alexandria Syndicate of Pharmacists Award for Academic Distinction, Alexandria, Egypt.</li> <li>• September 2010: Alexandria University Award for Academic Distinction and achieving the 8th rank on class during the undergraduate studies, Alexandria, Egypt.</li> <li>• May 2009: Award offered by the department of Pharmaceutics, Faculty of Pharmacy, Alexandria University for achieving a 3rd rank in student's activities and presentations Research title: "OTC drugs for skin disorders."</li> <li>• May 2008: Faculty of pharmacy award for achieving the 5th rank on class in second year pharmacy.</li> <li>• Financial awards for undergraduate excellence, Alexandria University, Alexandria, Egypt</li> </ul>