

## Staff Curriculum Vitae

<p><b>Contact Details</b></p> <p><b>Name:</b> Sarah Abdalla El-Lakany</p> <p><b>Title:</b> Lecturer</p> <p><b>Department:</b> Industrial Pharmacy</p> <p><b>e-mail:</b> <a href="mailto:sarah.ellakany@alexu.edu.eg">sarah.ellakany@alexu.edu.eg</a>  <a href="mailto:sarah.abdalla89@gmail.com">sarah.abdalla89@gmail.com</a></p> <p><b>Mobile phone Number:</b>01002828663</p>	
<p><b>Biography</b></p>	<p><b>Academic Qualifications:</b></p> <ul style="list-style-type: none"> <li>➤ <b>PhD:</b> PhD in pharmaceutical sciences, Faculty of Pharmacy Alexandria University, 2020 <u>Thesis title:</u> Formulation and Evaluation of Nano-structured Polymeric Systems for Improvement of Therapeutic Efficacy of Some Selected Drugs</li> <li>➤ <b>Master:</b> M.Sc. in pharmaceutical sciences, Faculty of Pharmacy University of Alexandria, 2016  <u>Thesis title:</u> Fabrication and Characterization of Nanostructured Systems for Biomedical Applications</li> <li>➤ <b>B.SC:</b> Faculty of Pharmacy Alexandria university, 2012 (Distinction with honor)</li> </ul> <p><b>Career History and Professional Experience</b></p> <ul style="list-style-type: none"> <li>➤ February 2021 – present: Lecturer at the Department of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University.</li> <li>➤ 2016 – 2021: Teaching assistant at the Department of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University.</li> <li>➤ 2013 –2016: Demonstrator at the Department of Industrial Pharmacy, Faculty of Pharmacy, Alexandria University.</li> <li>➤ 2012 – 2013: Community Pharmacist.</li> </ul>



<b>Research Interest</b>	<b>Drug Delivery, Wound Healing, Tissue Regeneration, Cancer Therapy, Hydrogels, Nanoscaffolds, Nanoformulations.</b>
<b>Publications</b>	<ul style="list-style-type: none"> <li>➤ Abo Aasy NK, El-Lakany SA, Masagna PM, Kamoun EA, EL-Moslamy SH, Abu-Serie M, Aly RG, Elgindy NA., Concurrent Tissue Engineering for Wound Healing in Diabetic Rats Utilizing Dual Actions of Green Synthesized CuO NPs Prepared from Two Plants Grown in Egypt. International Journal of Nanomedicine. 2023: 181947–1927 .</li> <li>➤ El-Lakany SA, Kamoun EA, Abd-Elhamid AI, Aly RG, Samy WM, Elgindy NA., Graphene oxide crosslinked-zein nanofibrous scaffolds for prominent Cu-adsorption as tissue regeneration promoters in diabetic rats: Nanofibers optimization and in vivo assessment. International Journal of Pharmaceutics, 590, 19919 (2020).</li> <li>➤ El-Lakany SA, Abd-Elhamid AI, Kamoun EA, El-Fakharany EM, Samy WM, Elgindy NA., <math>\alpha</math>-Bisabolol-Loaded Cross-Linked Zein Nanofibrous 3D-Scaffolds For Accelerating Wound Healing And Tissue Regeneration In Rats. International Journal of Nanomedicine. 2019:14:8251—8270.</li> <li>➤ El-Lakany S.A., Elgindy N.A., Helmy M.W., Abu-Serie M.M., Elzoghby A.O., Lactoferrin-decorated vs PEGylated zein nanospheres for combined aromatase inhibitor and herbal therapy of breast cancer, Expert Opinion on Drug Delivery, 15 (2018) 835-850.</li> <li>➤ Elzoghby AO, El-Lakany SA, Helmy MW, et al. Shell-crosslinked zein nanocapsules for oral codelivery of exemestane and resveratrol in breast cancer therapy. Nanomedicine (London, England). 2017 Dec;12(24):2785-2805.</li> <li>➤ El-Lakany S, Elzoghby A, Elgindy N, Hamdy D. HPLC methods for quantitation of exemestane–luteolin and exemestane–resveratrol mixtures in nanoformulations. J. Chromatogr. Sci. 54(8), 1282–1289 (2016).</li> </ul>
<b>Supervising</b>	➤ Supervising (MSc):



<p><b>Scientific Thesis</b></p>	<p>1- Preparation and Evaluation of Engineered Nanoparticles With The Possible Application For Tissue Regeneration (2021).</p> <p>2- Comparison of effectiveness of chitosan Hydroxyapatite hydrogel verses chitosan Hydroxyapatite vitamin D hydrogel on bone healing in critical size defect (2023).</p>
<p><b>Conferences &amp; workshops</b></p>	<ul style="list-style-type: none"> <li>➤ <b><u>Sarah El-Lakany</u></b>, Ahmed Abd-Elhamid, Elbadawy Kamoun, Wael Samy and Nazik Elgindy (2018), Electrospun crosslinked-zein scaffolds for accelerating wound healing in rats. Poster presentation in the Conference of DRUG DISCOVERY-2018, December 3-5, 2018, San Francisco, CA, USA.</li> <li>➤ Nazik A. Elgindy, Ahmed. O. Elzoghby, Maged W. Wisa, Marwa M Abu-Serie, <b><u>Sarah A. El-Lakany</u></b> (May 2018), Superiority of Zein-based nanocapsules for the co-delivery of Exemestane and Resveratrol in breast cancer therapy. Abstract published in the Conference of International pharmacy conference and forum, Faculty of pharmacy Beirut Arab University, Beirut, Lebanon.</li> <li>➤ <b><u>Sarah A. Ellakany</u></b>, Maged W. Wisa, NazikA. Elgindy, Ahmed. O. Elzoghby (2015), Shell-Crosslinked Zein Nanocapsulesfor Oral Co-Delivery of Exemestane and Resveratrol in Breast Cancer Therapy: In-vitro Characterization, Bioavailability and Anti-Tumor Efficacy. Poster presentation in the Conference of the First PUA International Conference on 'Advances in Pharmaceutical Sciences', Alexandria, Egypt.</li> <li>➤ <b><u>Sarah A. Ellakany</u></b>, Ahmed. O. Elzoghby, Nazika. Elgindy, Dalia A. Hamdy (2015), Development of HPLC Method for Simultaneous Quantitation of Two Novel Exemestane-Herbal Mixtures in Nanoformulations. Poster presentation in the Dubai International Pharmaceuticals and Technologies Conference and Exhibition (DUPHAT2015), Dubai, UAE.</li> <li>➤ Attended workshop entitled 'Assessment: The real deriver for competency-based education in pharmacy" (18-7-2018), Faculty of Pharmacy Alexandria University, Alexandria, Egypt.</li> </ul>



<b>Awards</b>	➤ Awarded the second position on oral presentation in pharmacy day (2014) Faculty of Pharmacy, Alexandria University.
<b>Activities</b>	➤ Member of The Arab Society of Materials Science.