

Khaled El-Sayed Abuelella

MBA - MSc - Ph.D.

✉ KElsayed@ecu.edu.eg

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SUMMARY

Pharmaceutical scientist with more than ten years of professional experience in pharmaceuticals and industrial pharmacy. PhD in Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, with primary research expertise in nanotechnology-based drug delivery systems and biomaterials, focusing on the design, formulation, physicochemical characterization, and optimization of advanced nano-therapeutic platforms. Research interests include polymeric nanoparticles, hybrid nanocarriers, and nano-enabled delivery systems for pharmaceutical and cosmeceutical applications. Holds a Master’s degree in Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Ain Shams University, providing a strong foundation in both theoretical and applied pharmaceutical sciences.

ACADEMIC DEGREES

- **Ph.D. (2026):** Pharmaceutics and Industrial Pharmacy - Faculty of Pharmacy – **Cairo University**.
- **Master's (2023):** Pharmaceutics and Industrial Pharmacy-Faculty of Pharmacy-**Ain Shams University**.
- **Master's (2022)** in business administration (MBA) -**AASTMT**.
- **BSc in Pharmaceutical Science (2014)**-Faculty of Pharmacy-**October 6 University**.
- **Graduation Grade:** Excellent with Honor.
- **Graduation Project:** Rotary Drum Filter.

THE QUALITY UNIT AT THE FACULTY OF PHARMACY O6U

- **(2014 - 2019):** I am responsible for Training Standards, which involves the effective implementation of training programs and the attainment of their academic and professional objectives in accordance with quality standards. Following are the primary duties and obligations that are associated with this position:
 - Planning Training Programs.
 - Coordination with Stakeholders.
 - Evaluating Training Programs.
 - Supporting Students.
- **(2020 – 2025):** I am responsible for the student and alumni standards, which are crucial in maintaining and improving of the quality of services offered to students and graduates. The following is a summary of the primary responsibilities and tasks that are associated with this position:
 - Student Affairs.
 - Alumni Affairs.
 - Quality Assurance and Standards.
 - Collaboration and Communication.
- **(2026):** Active Member, Postgraduate Studies Committee and Organizing Committee of the 3rd International Scientific Conference: Next-Gen Pharmacy: Green Innovation, Sustainability, and Artificial Intelligence – O6U.

ACADEMIC EXPERIENCE

- Lecturer, Over the Counter (OTC) Course, O6U (2020–2024).
- Lecturer, Scholarly Publishing in Indexed Journals, Ain Shams University (ASU) (2019).
- Organizer, International Scientific Conference of Pharmaceutical Science (XXXIV), BUC (2022).
- Lecturer, Research Ethics & Good Publication Practices O6U (2023).
- Lecturer, Mendeley Program and Citation Management, O6U (2023).
- Lecturer, Basics of Digital Marketing, Ahram Canadian University (ACU) (2023).
- International Scientific Conference of Pharmaceutical Science (XXXVI), BUC (2023).
- Instructor, Nanotechnology Applications in Drug Delivery Short Course, O6U (2023).
- Digital Transformation in Pharmaceutical Education Symposium (2023).
- 1st International Scientific Conference: Recent Advances in Pharmaceutical Practice and Res., O6U (2023).
- Contributor & Session Moderator, Egyptian Pharmaceutical Students' Research Day (2023–2024).
- Workshop Host, How to Prepare a High-Impact Review Article, O6U (2024).
- Trainer, Scientific Writing & Research Methodology Workshops (2022–2024).
- Trainer, Advanced PowerPoint Design for Scientific Presentations, O6U (2024).
- Lecturer, The World Beauty and The Pharmacist Course, O6U (2024).
- Lecturer, Innovations in Biodegradable Polymers, Future University in Egypt (FUE) (2024).
- 2nd International Scientific Conference: Recent Advances in Pharmaceutical Practice and Res., O6U (2024).
- Lecturer, Smart Skincare: The Future of Cosmetic Science (2025).
- Lecturer, Future Trends in Transdermal and Topical Drug Delivery, O6U (2025).
- Instructor, Introduction to Scientific Visualization & Data Presentation, ACU (2025).
- Lecturer, Quality Unit – Faculty of Pharmacy O6U (2025).
- Organizer, 3rd International Scientific Conference: Next-Gen Pharmacy: Green Innovation, Sustainability, and Artificial Intelligence - O6U (2026).
- Scientific Poster Presentation at 3rd International Scientific Conference: Next-Gen Pharmacy: Green Innovation, Sustainability, and Artificial Intelligence - O6U (2026).

PEER REVIEW ACTIVITIES

- Peer Reviewer – **International Journal of Cosmetic Science (Wiley)**, June 2025.
 - Peer Reviewer – **Journal of Wound Management and Research (JWMR)**, June 2025.
 - Peer Reviewer – **Journal of Chemistry and Biodiversity (Wiley)**, July 2025.
 - Peer Reviewer – **Journal of Pharmacological and Pharmaceutical Research**, September 2025.
 - Peer Reviewer – **Journal of Biomaterials Science, Polymers Edition (Taylor and Francis)**, January 2025.
 - Peer Reviewer – **Journal of Biomaterials ACS Sustainable Resource Management**, January 2025.
 - Peer Reviewer – **Journal of Nanostructures & nano-objects**, 2025.
 - Peer Reviewer – **Journal of pharmaceutical innovation**, January 2026 - July 2026.
 - Peer Reviewer – **International Journal of Sustainable Development Research (IJS DR)**, 2026-2029.
 - Peer Reviewer – **International Journal of Biomaterials**, May 2026.
 - Peer Reviewer – **AAPS Journal**, May 2026.
 - Peer Reviewer – **International Journal of Sustainable Development Research**, May 2026.
 - Peer Reviewer – **Skin Research and Technology**, June 2026.
 - Peer Reviewer – **The Egyptian Journal of Bronchology**, July 2026.
 - Peer Reviewer – **Discover Nano**, July 2026.
 - Peer Reviewer – **Marine Biotechnology**, July 2026.
 - Peer Reviewer – **Frontiers in Natural Products - Biological Activities of Natural Products**, Jun 2026.
 - Peer Reviewer – **Frontiers in Bioengineering and Biotechnology - Tissue Engineering and Regenerative Medicine**, May 2026.
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CERTIFIED

- Scientific Writing Course, Faculty of Pharmacy, Ain Shams University (ASU) (2022).
- Scholarly Publishing in Indexed Journals, Faculty of Pharmacy, Ain Shams University (ASU) (2022).
- ICDL, ICDL Arabia – Faculty of Pharmacy, Cairo University (2022).
- Fundamental of Digital Transformation Certificate (FDTC) (2023).
- Teacher Preparation Course (2023).
- Technology in Teaching Course (2024).
- Critical Thinking Course (2024).
- Techniques, Design and Preparation of Scientific Research Course (2024).
- Certificate of International Publication as Peer Reviewer (2024).
- Time and Meeting Management Training Course, Training Center, O6U (2024).
- Quality Assurance in Higher Education Course (2024).
- ISO 9001:2015 Quality Management Systems Certificate (2024).
- Fundamentals of Total Quality Management (TQM) (2024).
- Advanced Scientific Writing & Manuscript Editing Workshop (2025).
- Research Ethics and Good Publication Practices Certificate (2025).
- AI Tools for Research and Academic Productivity Workshop (2025).
- Data Visualization & Scientific Presentation Skills Certificate (2025).
- Education in Nanotechnology Applications in Drug Delivery Systems (2025).
- Academic Accreditation Standards and Program Evaluation Course (2025).
- Key Performance Indicators (KPIs) and Strategic Planning Workshop (2025).
- Risk Management and Continuous Improvement in Educational Institutions (2025).
- Quality Assurance and Accreditation in Healthcare Education Certificate (2025).
- Documentation and Quality Records Management Training (2025).
- Quality Control and GMP Principles in Pharmaceutical Industry Course (2025).
- Certified Quality Assurance Specialist Training (2025).
- Statistical Quality Control & Data Analysis Workshop (2025).
- Professional Development in Peer Reviewing for International Journals (2026).
- 3rd International Scientific Conference: Next-Gen Pharmacy: Green Innovation, Sustainability, and Artificial Intelligence - O6U (2026).

PUBLICATIONS

- 1- Chitosan-based polyelectrolyte complex nanoparticles: Preparation and characterization - **Bulletin of Pharmaceutical Sciences (2022)**.
 - 2- Polysaccharide-Based Biomaterials for Dermal Applications -**Functional Biomaterials - Springer Nature, 105-127 (2022)**.
 - 3- Skin targeting by chitosan/hyaluronate hybrid nanoparticles for managing irritant contact dermatitis: In vivo therapeutic efficiency in a mouse-ear dermatitis model - **International Journal of Biological Macromolecules, 232, 123458 (2023)**.
 - 4- Intra-articular treatment of osteoarthritis using novel biocompatible etoricoxib chitosan-hyaluronate hybrid microparticles - **Journal of Microencapsulation Micro and Nano Carriers (2025)**.
 - 5- Chitosan: A Multifunctional Biopolymer for Enhanced Wound Healing with Antimicrobial, Haemostatic, And Analgesic Properties, Supported by Clinical Evidence - **Bulletin of Pharmaceutical Sciences (2025)**.
 - 6- Polymer-Based Biomaterials for Wound Healing: Advances in Natural, Synthetic and Hybrid Biodegradable Polymers for Scar Reduction and Skin Regeneration - **Bulletin of Pharmaceutical Sciences (2025)**.
 - 7- Photoprotective Efficacy of Dibenzalacetone (DBA) in Sunscreen Formulations: Physicochemical Properties, Synthesis, Characterization, Potential Applications of Sunscreen and Biological Activities. **International journal of cosmetics science (2025)**.
 - 8- Licofelone as a Dual COX/5-LOX Inhibitor: A Comprehensive Review of Its Physicochemical, Pharmacological, and Therapeutic Profiles in Osteoarthritis and Neurodegenerative Disorders- **Bulletin of Pharmaceutical Sciences (2025)**.
 - 9- Poly (lactic-co-glycolic acid) in Wound Repair: A Multifunctional Platform for Targeted Drug Delivery and Tissue Regeneration - **Bulletin of Pharmaceutical Sciences (2025)**.
 - 10- Advanced Nanocarrier-Based Strategies for Enhancing Herbal Actives in Cosmetic and Cosmeceutical Applications - **Nanotechnology and Applied Sciences Journal (2025)**.
 - 11- Next-Generation Liposomes for Cosmeceutical Applications: From Structural Insights to Smart, Sustainable Delivery and Clinical Outcomes - **Bulletin of Pharmaceutical Sciences (2025)**.
 - 12- Therapeutic Potential of Biodegradable Polycaprolactone Delivery Systems in Osteoarthritis: From Controlled Release to Joint Tissue Engineering - **Bulletin of Pharmaceutical Sciences (2025)**.
 - 13- Permeation Enhancers as the Bridge Between Pharmaceutical and Cosmeceutical Innovation: Mechanisms, Safety, and Future Perspectives - **Nanotechnology and Applied Sciences Journal (2025)**.
 - 14- Kojic Acid and Its Derivatives in Hyperpigmentation Treatment: limitations and Advanced Nanotechnological Solutions - **Bulletin of Pharmaceutical Sciences (2025)**.
 - 15- Lipid Nano-System–Based Topical Drug Delivery for the Management of Rheumatoid Arthritis: Pathophysiology-Oriented Design, Challenges, and Future Perspectives - **Nanotechnology and Applied Sciences Journal (2026)**.
 - 16- Polycaprolactone nanoparticles boost licofelone transdermal delivery for osteoarthritis: in vitro characterization, ex vivo permeability, and in vivo efficacy-**Journal of Pharmaceutical Innovation (2026)**.
 - 17- Licofelone-loaded poly(d,l-lactide-co-glycolide) nanoparticles to enhance therapeutic action: a novel approach for the topical management of irritant contact dermatitis - **AAPS Pharm SciTech (2026)**.
 - 18- A Novel Approach of Licofelone-loaded Poly(d,l-lactide-co-glycolide) Nanoparticles for The Topical Management of Irritant Contact Dermatitis - **3rd International Scientific Conference - Faculty of Pharmacy - O6U (2026)**.
 - 19- Stimuli-Responsive Nanocarriers for Targeted Drug Delivery in Psoriasis: Emerging Strategies and Future Perspectives - **Nanotechnology and Applied Sciences Journal (2026)**.
 - 20- Effect of Onion Extract Nanoparticle Gel Phonophoresis on Postsurgical Scar of Cesarean-Section - **International Journal of Drug Delivery Technology (2026)**.
 - 21- Development and Characterization of Dibenzalacetone-Loaded Oleogels as a Potential Photoprotective Agents for Sunscreen Formulations - **Scientific Reports (2026)**.
 - 22- Infection-Responsive Antifungal Therapy: Smart Drug Delivery Systems Triggered by the Fungal Microenvironment - **Nanotechnology and Applied Sciences Journal (2026)**.
 - 23- Medicinal Plants in Male Infertility: Mechanisms, Therapeutic Evidence, and Delivery Perspectives - **Bulletin of Pharmaceutical Sciences (2026)**.
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ANOTHER EXPERIENCE

- Last Work for **Arafat Company for Drug Dispensing (2019)**
- Last Work for **El- Gaafary Hospital (2020)**
- Last Work for **Ahmed Abd El-Gawad Pharmacy (2020)**
- Last Work for **Gehan Pharmacy (2021)**
- Last Work for **19011 Pharmacy (2021)**
- Last Work for **El-Sebaay Pharmacy (2021)**
- Last Work for **Mahmoud Pharmacy (2022)**
- QC, GMP, QA & Production Training at **El Nile, SIDCO & ADICO (2022)**
- Medical Representative for **Lily, Pfizer, Eva Pharma – Training (2022)**
- Branch Manager of **El-Agzakhana (2022)**
- Shift Manager and Pharmacist of **360 Pharmacies (2023)**
- Branch Manager Acting at **Doctor M Pharmacies (2023)**
- Marketing Manager for cosmetics of **ECC (2023)**.
- Digital Marketing of Cosmetics at **Doctor M Pharmacies (2024)**.

COMPUTER SKILLS

- Microsoft Office ICDL.
- Autodesk AutoCAD 2014-2023.
- Autodesk Inventor 2014-2023.
- All versions of windows.
- All versions of Microsoft Office Internet.
- Design Expert V7, V11 and V13.
- Mendeley Software.
- FTIR, DSC and Malvern Zetasizer.

LANGUAGES

- Arabic
- English



<https://scholar.google.com/citations?user=JiJbufwAAAAJ&hl=en>



<https://orcid.org/0000-0003-0149-6995>



<https://www.linkedin.com/in/khaled-e-abuelella-56643a1ab/>

Scopus[®]

<https://www.scopus.com/authid/detail.uri?authorId=57777136300>

Clarivate[™]
Web of Science

<https://www.webofscience.com/wos/author/record/HLG-6954-2023>

SCAN ME!

