



Mohad Osama Mohamed

Ph.D. in Pharmaceutics

CONTACT

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► <https://scholar.google.com/citations?user=5ST18wUAAA&hl=en>

EDUCATION

- **Faculty of Pharmacy, Cairo University**
PhD of Pharmaceutical Sciences; Pharmaceutics
2022 – 2024
- **Faculty of Pharmacy, Cairo University**
Master of Pharmaceutical Sciences; Pharmaceutics
2020– 2022
- **Faculty of Pharmacy, October 6 University**
Bachelor of Pharmaceutical Sciences and Clinical Pharmacy
Excellent Degree with honors
2011– 2016

PROFESIONAL EXPERTISE

Lecturer of Pharmaceutics and Industrial Pharmacy 2026

Faculty of Pharmacy and Drug Technology , Egyptian Chinese University

Assistant Lecturer of Pharmaceutics and Industrial Pharmacy 2022

Faculty of Pharmacy, October 6 University

Teaching Assistant of Pharmaceutics and Industrial Pharmacy 2016

Faculty of Pharmacy, October 6 University

TEACHING BACKGROUND

- Physical Pharmacy
- Pharmaceutics II
- Pharmaceutics IV
- Cosmetics and Cosmeceuticals
- Preformulation and Stability
- Advanced Drug Delivery System
- Good Pharmacy Practice
- Quality Control
- Pharmaceutics I
- Pharmaceutics III
- Industrial Pharmacy II
- Industrial Pharmacy I
- Pharmaceutical Technology I
- Pharmaceutical Technology II
- Pharmacokinetics

LANGUAGE		COURSES and WORKSHOPS	
Arabic English		- Applied Scientific Nutrition Course (Clinical and Therapeutic Nutrition), Nutrition Academy - FDTC, October 6 University - TOEFL, Cairo University - ICDL, Cairo University - Advanced Nanotechnology, MUST University - EKB Submission Strategies, Springer Nature Academics - Time and Meeting Management, October 6 University - Searching for a Scholarship, October 6 University - Using Technology in Teaching, October 6 University - Examination Systems and Evaluation Methods, October 6 University - Quality Systems and University Accreditation, October 6 University - Teacher Preparation, October 6 University - Building Personal Resilience: Managing Anxiety and Mental Health, Harvard by edX - Becoming an International Reviewer, by EKB - Introduction to Geminin AI (Beginner Level) , by EKB - Using Gemini AI for Advanced Research (Intermediate Level), by EKB - Customizing and Optimizing Gemini AI (Advanced Level), by EKB - The Selection Criteria for International Journals, by EKB - Maximizing The Benefit from Resources and Services of The Egyptian Knowledge Bank, by EKB	
COMPUTER SKILLS			
- Microsoft Word - Microsoft PowerPoint - Microsoft Excel - Internet and Database searching			
SKILLS			
- Communication Skills - Presentation Skills - Teaching Skills - Leadership Skills - Mentorship Skills - Interpersonal Skills - Academic Research - Student Assessment and Guidance - Educational Strategies - Project Management - Technological and AI Skills - Quality Review Processes - Research Program Planning			

LANGUAGE	CONFERENCES
Arabic English COMPUTER SKILLS	The 3rd International Scientific Conference: Next-Gen Pharmacy: Green Innovation, Sustainability, and Artificial Intelligence April, 2026 Faculty of Pharmacy , October 6 University Attendee The 3rd International Conference of Pharmaceutical Sciences: From Bench to Market September, 2024 College of Pharmaceutical Sciences and Drug Manufacturing , MUST University Attendee and Poster presentation
Microsoft Word Microsoft PowerPoint Microsoft Excel Internet and Database searching SKILLS	The 2nd International Scientific Conference: Recent Advances in Pharmaceutical Practice and Research May, 2024 Faculty of Pharmacy , October 6 University Attendee The 2nd International Conference of Pharmaceutical Sciences: Future Perspectives on Drug Research and Sustainable Development July, 2023 College of Pharmaceutical Sciences and Drug Manufacturing, MUST University Attendee and Poster presentation
Communication Skills Presentation Skills Teaching Skills Leadership Skills Mentorship Skills Interpersonal Skills Academic Research Student Assessment and Guidance Educational Strategies Project Management Technological and AI Skills Quality Review Processes Research Program Planning	RESEARCH INTERESTS • Nanotechnology and Drug Delivery Design and development of nanoscale drug delivery systems, including nanoparticles, micelles, and other nanocarriers, to enhance the solubility, bioavailability, and targeted delivery of poorly water-soluble drugs. • Drug Repurposing Exploration of novel therapeutic applications for approved drugs through reformulation into innovative delivery systems, thereby accelerating drug development and improving treatment efficacy. • Formulation Optimization Application of Design of Experiments (DoE) principles and Design-Expert[®] software to optimize pharmaceutical formulations.

SOFTWARE EXPERTISE

- Statistical Design using Design Expert[®] Software
- Statistical Analysis using GraphPad Prism[®] and Instat[®] Software
- References and Citations Management using Mendeley and Endnote
- IRsolution Software

PUBLICATIONS

- Fayez, S. M., Osama, M., Abdel-Haleem, K. M., El-Nabarawi, M. A., Teaima, M. H., El-Sadek, H. M., Rezk, S., Turkey, M., Elnahas, O. S. 2024. Implementing fluconazole-loaded niosomes and etoricoxib into a bi-layer mucoadhesive film as a potential treatment for oral candidiasis: in-vitro testing, qRT-PCR assay, and in-vivo evaluation via NF- κ B/IL-1 β /IL-36 signaling. J Drug Deliv Sci Technol, 98, 105845. <https://doi.org/10.1016/j.jddst.2024.105845>.
- Teaima, M. H., Abdel-Haleem, K. M., Osama, M., El-Nabarawi, M. A., Fayez, S. M. 2022. Bi-laminated oral disintegrating film for dual delivery of pitavastatin calcium and lornoxicam : fabrication , characterization and pharmacokinetic study. Int J Appl Pharm, 14(2), 53–60. <https://doi.org/10.22159/ijap.2022v14i2.43534>.

AWARDS

- International Publishing Award 2024
- International Publishing Award 2022

INTERNSHIPS

Medical Representative at Abbott	2018
pharmacist at zikry pharmacy	2016
Medical Representative at AstraZeneca pharmaceutical company	2015
Medical Representative at Pfizer pharmaceutical company	2015
Quality Control Analyst and Production Pharmacist at AstraZeneca pharmaceutical company	2015
Quality Control Analyst and Production Pharmacist at Rameda pharmaceutical company	2015
Clinical pharmacist at clinical pharmacy unit at October 6 University hospital	2015
Pharmacist at El ezaby pharmacy	2014
Pharmacist at Misr pharmacies	2014
Pharmacist at Dr. Reham pharmacy	2013
Training about the full operation system at United Company of Pharmacist (UCP)	2012