



Rewan Osama Mohamed

Ph.D. in Pharmaceutics

Contact

✉ Rewan.Osama@ecu.edu.eg

► <https://scholar.google.com/citations?user=bU9u8goAAAAJ&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

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

Courses and Workshops

- Applied Scientific Nutrition Course (Clinical and Therapeutic Nutrition), *Nutrition Academy*
- FDTC, *October 6 University*
- TOEFL, *Cairo University*
- ICDL, *Cairo University*
- Advanced Nano Technology, *MUST University*
- Time and Meeting Management, *October 6 University*
- Searching for a Scholarship, *October 6 University*
- Quality System and University Accreditation, *October 6 University*
- Using Technology in Teaching, *October 6 University*
- Examination system and Evaluation Methods, *October 6 University*

Language

- Arabic
- English

Computer Skills

- Microsoft Word
- Microsoft Power Point
- Microsoft Excel
- Internet and Database Searching

Skills

- Communication Skills
- Presentation Skills
- Teaching Skills
- Leadership Skills
- Interpersonal Skills
- Mentorship Capabilities
- Educational Strategies
- Student assessment and guidance
- Academic research
- Technological and AI Skills
- Research program planning
- Project Management
- Quality Review process

- **Teacher preparation**, *October 6 University*
- **EKB Submission Strategies**, *Springer Nature Research Academics*
- **Building Personal Resilience: Managing Anxiety and Mental Health**, *Harvard University by edX*
- **Becoming an International Reviewer**, *By EKB*
- **Introduction to Gemini AI (Beginner Level)**, *By EKB*
- **Using Gemini AI for Advanced Research**
- **Customizing and Optimizing Gemini AI (Professional Level)**, *By EKB*
- **The Selection Criteria for International Journals**, *By EKB*
- **Maximizing the Benefit from the Resources and Services of the Egyptian Knowledge Bank**, *By EKB*

Conferences

- **The 3rd International Scientific Conference**
“Next Gen Pharmacy: Green Innovation, Sustainability, and Artificial Intelligence”
Faculty of Pharmacy, October 6 University
Attendee *April, 2026*
- **The 3rd International Conference of Pharmaceutical Sciences**
“From Bench to Market”
College of Pharmaceutical Sciences and Drug Manufacturing, MUST University
Attendee and Poster Presentation *September, 2024*
- **The 2nd International Scientific Conference**
“Recent Advances in Pharmaceutical Practice and Research”
Faculty of Pharmacy, October 6 University
Attendee *May, 2024*
- **The 2nd International Conference of Pharmaceutical Sciences**
“Future Perspectives on Drug Research and Sustainable Development”
College of Pharmaceutical Sciences and Drug Manufacturing, MUST University
Attendee and Poster Presentation *July, 2023*

Awards

- **International Publishing Award** *2021*
- **International Publishing Award** *2024*

Software Expertise

- Statistical Design using Design Expert® software
- Statistical analysis using GraphPad Prism® and Instate® software
- Reference and Citation Management using Mendeley® and Endnote®
- IRsolution Software

Research Interests

- **Nanotechnology & Drug Delivery:** Designing Nano-carriers (such as nanoparticles and micelles) to enhance the absorption and delivery of poorly soluble drugs.
- **Drug Repurposing:** Finding new therapeutic uses for existing, approved medications by reformulating them into advanced delivery systems.
- **Formulation Optimization:** Utilizing Design of Experiments (DoE) and Design-Expert® software to scientifically optimize stable pharmaceutical dosage forms.

Publications

- Elnahas, O. S., Osama, R., Abdel-Haleem, K. M., El-Nabarawi, M. A., Teaima, M. H., El-Sadek, H. M., Rezk, S., Turkey, M., Fayez, S. M. 2024. Integration of levofloxacin-loaded spanlastics and prednisolone into a buccal mucoadhesive sponge for combating severe pneumonia: in-vitro/ex-vivo assessment, qRT-PCR analysis, and quantification of the HMGB-1/NF-κB signaling pathway. J Drug Deliv Sci Technol, 100, 106019. <https://doi.org/10.1016/j.jddst.2024.106019..>
- Teaima, M. H., Abdel-Haleem, K. M., Osama, R., El-Nabarawi, M. A., & Elnahas, O. S. 2021. A promising single oral disintegrating tablet for co-delivery of pitavastatin calcium and lornoxicam using co-processed excipients: Formulation, characterization and pharmacokinetic study. Drug Des, Devel Ther, 15, 4229–4242. <https://doi.org/10.2147/DDDT.S332729>.

Internships

- Medical Representative at Pharmalys Laboratories 2018
- Patient Educator at Hero Baby 2018
- Pharmacist at Zikry Pharmacy 2016
- Medical Representative at AstraZeneca Pharmaceutical Company 2015
- Medical Representative at Pfizer Pharmaceutical Company 2015
- Production Pharmacist and Quality Control Analyst at AstraZeneca Pharmaceutical Company at Quality Control & Production Area Department 2015
- Production Pharmacist and Quality Control Analyst Rameda Pharmaceutical Company at Quality Control & Production Area Department 2015
- Clinical Pharmacist at Clinical Pharmacy Unit October Six University hospital 2015
- Pharmacist at Elezaby Pharmacy 2014
- Pharmacist at Misr Phamrmacies 2014
- Pharmacist at Dr. Reham Pharmacy 2013
- Training about the full operation system at United Company of Pharmacist (UCP) 2012