



John Youshia Kamal Mitri

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Birth date 1 October 1984

PROFESSIONAL EXPERIENCE

December 2021–Present	<p>Assistant professor / Lecturer of pharmaceutics and industrial pharmacy Faculty of Pharmacy, Ain Shams University, Egypt.</p> <ul style="list-style-type: none">• Teaching undergraduate courses<ul style="list-style-type: none">○ Nanoparticles for drug targeting○ Pharmaceutical technology○ Semi-solid dosage forms○ Reaction kinetics○ Quality assurance○ Good manufacturing practice• Teaching postgraduate courses<ul style="list-style-type: none">○ Advanced biopharmaceutics and pharmacokinetics○ Specialized pharmaceuticals• Coordinator of the quality assurance unit within the department of pharmaceutics and industrial pharmacy <p>Adjunct lecturer, Faculty of Pharmacy, British University in Egypt. (Second semester 2022/2023)</p>
January 2013 – November 2021	<p>Assistant lecturer of pharmaceutics Faculty of Pharmacy, Ain Shams University, Egypt.</p> <ul style="list-style-type: none">• Teaching and supervising undergraduate practical courses for pharmacy students.• Member of the quality assurance unit of faculty of pharmacy.
March 2007 – December 2012	<p>Teaching assistant of pharmaceutics Faculty of Pharmacy, Ain Shams University, Egypt.</p> <ul style="list-style-type: none">• Teaching undergraduate practical courses for pharmacy students.

EDUCATION

April 2015 – September 2020	PhD, Pharmaceutics Faculty of Mathematics and Natural Sciences, Institute of Pharmacy, Bonn University, Bonn, Germany. Thesis title: Nanoparticles' physicochemical properties and their interaction with inflammatory cells. Grade: Very Good
September 2007 – December 2012	MSc, Pharmaceutics Faculty of Pharmacy, Ain Shams University, Cairo, Egypt. Thesis title: Ocular multiparticulate delivery systems for methazolamide.
September 2001 – May 2006	BSc, Pharmaceutical sciences Faculty of Pharmacy, Ain Shams University, Cairo, Egypt. Grade: Excellent with Honor

PUBLICATIONS

- 1. Metabolomics-directed nanotechnology in viral diseases management: COVID-19 a case study (2023)**
Pharmacological Reports
(DOI: <https://doi.org/10.1007/s43440-023-00517-w>)
- 2. Nose to brain delivery of naringin-loaded chitosan nanoparticles for potential use in oxaliplatin-induced chemobrain in rats: impact on oxidative stress, cGAS/STING and HMGB1/RAGE/TLR2/MYD88 inflammatory axes (2023)**
Expert Opinion on Drug Delivery
(DOI: <https://doi.org/10.1080/17425247.2023.2228685>)
- 3. Gamma sterilization and in vivo evaluation of cationic nanostructured lipid carriers as potential ocular delivery systems for antiglaucoma drugs (2021)**
European Journal of Pharmaceutical Sciences
(DOI: <https://doi.org/10.1016/j.ejps.2021.105887>)
- 4. Nanoparticles' properties modify cell type-dependent distribution in immune cells (2020)**
Nanomedicine: Nanotechnology, Biology and Medicine
(DOI: <https://doi.org/10.1016/j.nano.2020.102244>)
- 5. Collagenase loaded chitosan nanoparticles for digestion of the collagenous scar in liver fibrosis: The effect of chitosan intrinsic collagen binding on the success of targeting (2020)**
European Journal of Pharmaceutics & Biopharmaceutics
(DOI: <https://doi.org/10.1016/j.ejpb.2020.01.003>)
- 6. Artificial neural network based particle size prediction of polymeric nanoparticles (2017)**
European Journal of Pharmaceutics & Biopharmaceutics
(DOI: <https://doi.org/10.1016/j.ejpb.2017.06.030>)

7. **Size-dependent nanoparticulate drug delivery in inflammatory bowel diseases (2015)** *Expert Opinion on Drug Delivery*
(DOI: <https://doi.org/10.1517/17425247.2016.1114604>)
8. **Design of cationic nanostructured heterolipid matrices for ocular delivery of methazolamide (2012)** *International journal of Nanomedicine*
(DOI: <http://dx.doi.org/10.2147/IJN.S28307>)

CONFERENCES

1. **3rd International Conference of Faculty of Pharmacy, Ain Shams University. November 2023, Cairo, Egypt**
2. **11th Annual Ain Shams University International Conference. May 2023, Cairo, Egypt**
3. **12th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology March 2021, Vienna, Austria.**
Poster "Reversal of liver fibrosis using collagenase loaded collagen binding nanoparticles; elucidation of the underlying toxicity".
4. **American Association of Pharmaceutical Scientists (AAPS) PharmSci 360 November 2019, San Antonio, Texas, USA.**
Poster "Targeting Specific Immune Cells by Fine Tuning the Physicochemical Properties of Polymeric Nanoparticles".
5. **3rd European Conference on Pharmaceutics March 2019, Bologna, Italy.**
Poster "Collagenase loaded chitosan nanoparticles for targeting and digestion of the collagenous scar in liver fibrosis; the effect of collagen binding peptide density and length of tether on the efficiency of in-vivo collagen digestion".
6. **11th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology March 2018, Granada, Spain.**
Poster "In Silico Particle Size Prediction using Artificial Neural Networks".
7. **2nd European Conference on Pharmaceutics April 2017, Krakow, Poland.**
Poster "Comparing Three Modelling Techniques for Predicting Particle Size of Poly(lactic co- glycolic acid) Nanoparticles".
8. **Future University in Egypt, International Conference on Pharmaceutical Technologies February 2012, Cairo, Egypt.**
Workshop on Advanced Drug Delivery Systems.
9. **The Egyptian Pharmaceutical Society XXXII Conference of Pharmaceutical Sciences December 2011, Cairo, Egypt.**
Poster "Solid Lipid Nanoparticles for Ocular Delivery of Methazolamide"

KNOWLEDGE AND SKILLS

Languages

Arabic: Mother tongue
English: C2, Proficient user
German: B1, Independent user

Techniques

Polymeric & lipid nanoparticles characterization & preparation
 Dynamic light scattering: Particle size & zeta potential
 Flow cytometry
 Freeze drying
 X-ray diffraction

Confocal microscopy
UV-spectrophotometry
Differential scanning calorimetry

Computer software

E-learning platforms (Moodle and Google classroom)
Minitab and Design Expert: Design of experiments (Factorial design & response surface)
FlowJo
GraphPad Prism