

## Basic Information :

**Name :** Azza Ahmed  
**Title :** Professor



Professor Azza A. Mahmoud, Ph.D., is currently serving as the Dean of the Faculty of Pharmacy at Future University in Egypt (FUE). She holds a Professor Degree in Pharmaceutics since 2018 and has served the institution as the Vice Dean for Postgraduate Studies and Research Affairs from 2021 to 2025. She earned her Ph.D. in Pharmaceutics from Cairo University (2008). Her dedication to scientific governance is highlighted by her role as a Member in the Drug Research Counselling at the Egyptian Academy of Scientific Research and Technology for consecutive terms (2018-2021, 2021-2024, and 2025-2027). Professor Mahmoud has received considerable recognition for her scientific contributions, being consistently named among the top 2% scientists worldwide by Stanford University studies for four consecutive years (2021-2024). Her major awards include the State Excellence Award in Advanced Technological Sciences (2024), the State Encouragement Award (2016), the Pioneer Award in Pharmaceutical Sciences (2016), and a Silver Medal at the Geneva International Innovations Exhibition (2021). Her research focuses on advanced pharmaceutical formulations, specifically nanotechnology-based drug delivery systems and scaffolds for tissue engineering. Her academic output is substantial, encompassing numerous high-impact international scientific articles, two accepted patents, and participation in over 15 major financed research projects. Her editorial service is highlighted by her role as Editor-in-Chief of the Future Journal of Pharmaceutical Sciences (FJPS), building on her experience as Deputy Editor-in-Chief (2021-Present) and Associated Editor (2015-2021).

## Education:

Certificate	Major	University	Year
PhD			2008
Masters			2006
Bachelor			2002

## Teaching Experience:

Name Of Organization	Position	From Date	To Date
FUE	Dean	01/09/2025	Current
Department of Pharmaceutical Technology, National Research Center	Research Staff Member	01/01/2003	06/05/2014

## Researches / Publications :

Spray freeze-dried doxycycline nanoparticles for macrophage-targeted lung delivery

Sildenafil-chitosan nanocomplexes in rosemary-infused smart emulgel: Sustainable drug delivery with improved hair regeneration efficacy

Development of a Highly Sensitive Electrochemical Sensor for Detecting the Antipsychotic Agent Cariprazine in Pharmaceutical Capsules and Biological Fluids Using Boron Nitride Quantum Dots

Impact of a short-term pharmacy study abroad Program: student outcomes and program evaluation

PLGA and PDMS-based in situ forming implants loaded with rosuvastatin and copper-selenium nanoparticles: a promising dual-effect formulation with augmented antimicrobial and cytotoxic activity in breast cancer cells

Nanofibrous Polycaprolactone Membrane with Bioactive Glass and Atorvastatin for Wound Healing: Preparation and Characterization

Risedronate-loaded aerogel scaffolds for bone regeneration

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Merits and advances of microfluidics in the pharmaceutical field: design technologies and future prospects

Nanofibrillated cellulose/glucosamine 3D aerogel implants loaded with rosuvastatin and bioactive ceramic for dental socket preservation
Cyclodextrin stabilized freeze-dried silica/chitosan nanoparticles for improved terconazole ocular bioavailability
An in vitro/in vivo release test of risedronate drug loaded nano-bioactive glass composite scaffolds
Safety of inhaled ivermectin as a repurposed direct drug for treatment of COVID-19: A preclinical tolerance study
Formulation and optimization of sildenafil citrate-loaded PLGA large porous microparticles using spray freeze-drying technique: A factorial design and in-vivo pharmacokinetic study
Development and evaluation of polyvinyl alcohol stabilized polylactide-co-caprolactone-based nanoparticles for brain delivery
Polymer-Free Injectable In Situ Forming Nanovesicles as a New Platform for Controlled Parenteral Drug Delivery Systems
3D printing: An appealing route for customized drug delivery systems
Spray-Dried Rosuvastatin Nanoparticles for Promoting Hair Growth
An in-situ forming chitosan implant-loaded with raloxifene hydrochloride and bioactive glass nanoparticles for treatment of bone injuries: Formulation and biological evaluation in animal model. I
Rapid Lysostaphin Production Approach and a Convenient Novel Lysostaphin Loaded Nano-emulgel; As a Sustainable Low-Cost Methicillin-Resistant Staphylococcus aureus Combating Platform.
Long Lasting in-situ forming implant loaded with raloxifene HCl: An injectable delivery system for treatment of bone injuries
Long lasting in-situ forming implant loaded with raloxifene HCl: An injectable delivery system for treatment of bone injuries.
Fabrication Strategies of Scaffolds for Delivering Active Ingredients for Tissue Engineering
Design and evaluation of novel inhalable sildenafil citrate spray-dried microparticles for pulmonary arterial hypertension
Flexible nano-sized lipid vesicles for the transdermal delivery of colchicine; in vitro/in vivo investigation
Design and characterization of emulsified spray dried alginate microparticles as a carrier for the dually acting drug roflumilast.
Bioavailability Enhancement of Aripiprazole Via Silicosan Particles: Preparation, Characterization and In vivo Evaluation
Etodolac transdermal cubosomes for the treatment of rheumatoid arthritis: ex vivo permeation and in vivo pharmacokinetic studies.
Determination of cytocompatibility and osteogenesis properties of in situ forming collagen-based scaffolds loaded with bone synthesizing drug for bone tissue engineering.
Design of novel injectable in-situ forming scaffolds for non-surgical treatment of periapical lesions: In-vitro and in-vivo evaluation.
Antiinflammatory sunscreen nanostructured lipid carrier formulations.
PLGA Nanoparticles as subconjunctival injection for management of glaucoma.
Design and in vitro/in vivo evaluation of ultra-thin mucoadhesive buccal film containing fluticasone propionate.
Bioactive/natural polymeric scaffolds loaded with ciprofloxacin for treatment of osteomyelitis.
Nanostructured lipid carriers as semisolid topical delivery formulations for diflucortolone valerate.
Formulation of risperidone in floating microparticles to alleviate its extrapyramidal side effects
Formulation of risperidone in floating microparticles to alleviate its extrapyramidal side effects
Brinzolamide loaded-polymeric nanoparticles
Nano spray drying technique as a novel approach to formulate stable econazole nitrate nanosuspension formulations for ocular use
Design and in-vitro/in-vivo evaluation of ultra-thin mucoadhesive buccal film containing fluticasone propionate
Bioactive/natural polymeric scaffolds loaded with ciprofloxacin for treatment of osteomyelitis
Nanostructured lipid carriers as semisolid topical delivery formulations for diflucortolone valerate
Norflloxacin-loaded collagen/chitosan scaffolds for skin reconstruction: Preparation, evaluation and in-vivo wound healing assessment
A novel method for preparing surface-modified fluocinolone acetonide loaded PLGA nanoparticles for ocular use: in vitro and in vivo evaluations

Diflucortolone valerate loaded solid lipid nanoparticles as a semisolid topical delivery system

A novel method for preparing surface-modified fluocinolone acetonide loaded PLGA nanoparticles for ocular use: in vitro and in vivo evaluations

Rapid pain relief using transdermal film forming polymeric solution of ketorolac. Ammar, H.O., Ghorab, M. and Mahmoud, A.A., Makram, T.S. and Noshi, S.H., Pharm. Dev. Technol., 18, 1005

Enhancement of human oral bioavailability and in vitro antitumor activity of rosuvastatin via novel spray dried self-nanoemulsifying. Kamel, A. O. and Mahmoud, A. A., JBN, 9, 1

ISACB6 Nantes France

4th Scientific Conference, Faculty of Pharmacy, Cairo University, Cairo, Egypt

3rd Scientific Conference, Faculty of Pharmacy, Cairo University, Cairo, Egypt

UKICRS Symposium

4th International Conference of Pharmaceutical and Drug Industries Research

Women in work exchange program between women in NENA and the UK

Women in work exchange program between women in NENA and the UK

4th International Conference of Pharmaceutical and Drug Industries Research Division

1st International Conference on Materials Science & Nanotechnology (Future challenges)

British Pharmaceutical Conference

XIII International Cyclodextrin Symposium

65th Congress of Pharmaceutical Sciences of FIP

### **Awards:**

<b>Award</b>	<b>Donor</b>	<b>Date</b>
Certificate of appreciation for excellence in research output for 2011 from the National Center for Research	National Research Center	01/01/2011
Scientific Engorgement Award in Science of Pharmacy from the National Research Center for 2011.	National Research Center	01/01/2011