Basic Information :

Name :	AZZA AHMED MOHAMED MAHMOUD
Title :	Professor

Dr. Azza Ahmed Mahmoud; Professor of Pharmaceutical Technology at Pharmaceutics and Pharmaceutical Technology Department. She holds MSc and PhD degrees in Pharmaceutics from Faculty of Pharmacy, Cairo University (Egypt) as well as Associate Professor degree from the National Research Center (Egypt). Azza received the Scientific Engorgement Award in Science of Pharmacy from the National Research Center for 2011 and got a certificate of appreciation for excellence in research output for 2011 from the National Research Center. Azza's research is focused on the development of advanced drug delivery systems, such as biodegradable nanoparticles, transfersome, liposomes, chitosan nanoparticles, solid-lipid nanoparticles, liquid crystal nanoparticles, nanoemulsion and self-nanoemulsifying drug delivery systems. She co-authored 20 articles published in international journals and her work has been presented in more than 12 international conferences and workshops. She has guided 4 MSc students successfully and 7 candidates are registered under her supervision.

Education:

Certificate	Major	University	Year
PhD			2008
Masters			2006
Bachelor			2002

Teaching Experience:

Name Of Organization	Position	From Date	To Date
FUE	Acting as Vice Dean	01/09/2012	Current
Department of Pharmaceutical Technology, National Research Center	Research Staff Member	01/01/2003	06/05/2014

Researches / Publications :

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
Å 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
Å A 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

Copyright É 2013 [Future University in Egypt]. All rights reserved.

Å 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
Lamotrigine loaded poly-ὐ-(d, l-lactide-co-caprolactone) nanoparticles as brain delivery system
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
Norfloxacin-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

Copyright É 2013 [Future University in Egypt]. All rights reserved.

1st International Conference on Materials Science & Nanotechnology (Future challenges)
British Pharmaceutical Conference
XIII International Cyclodextrin Symposium
65th Congress of Pharmaceutical Sciences of FIP

Awards:

Award	Donor	Date
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

Copyright É 2013 [Future University in Egypt]. All rights reserved.