

Basic Information :

Name : Dalia Samuel
Title : Professor of Pharmaceutical Sciences



Prof. Dr. Dalia Samuel, professor of Pharmaceutics at Pharmaceutics and Pharmaceutical Technology Department. her doctoral research was performed at the University of Utah, USA with (distinguished) Prof. William I. Higuchi on transdermal drug delivery. Her post doctorate research was conducted at Oregon State University, Corvallis, Oregon, USA, on transdermal vaccines.

Education :

Certificate	Major	University	Year
PhD	Pharmaceutical Sciences	Helwan University - Faculty of Pharmacy	2003
Masters	Pharmaceutical Sciences	Helwan University - Faculty of Pharmacy	2000
Bachelor	Pharmaceutical Sciences	Cairo University - Faculty of Pharmacy	1994

Teaching Experience :

Name Of Organization	Position	From Date	To Date
FUE, Cairo, Egypt	Professor of Pharmaceutics	01/01/2013	01/01/2016
Dept. of Pharmaceutics, Oregon State University, Corvallis, Oregon, USA	Post doctorate candidate	01/01/2006	01/01/2007
Dept. of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, Salt Lake City, Utah, USA	PhD student	01/01/2000	01/01/2002
Faculty of Pharmacy, Dept. of Pharmaceutics, Helwan University, Cairo, Egypt	TA, Lecturer then Associate Professor of Pharmaceutics	01/01/1995	01/01/2013

Research :

In Vitro and In Vivo evaluation of combined time and pH- dependent oral colonic targeted prednisolone Microspheres.

In-vitro skin permeation and biological evaluation of lornoxicam monolithic transdermal patches.

Attenuated Mycobacterium marinum protects zebrafish against mycobacteriosis

Nasal immunization with the mixture of PA63, LF and a PGA conjugate induced strong antibody responses against all three antigens.

A thermo-sensitive polymeric gel containing a gadolinium (Gd) compound encapsulated into liposomes significantly extended the retention of the Gd in tumors

Silicone elastomer uptake method for determination of free 1- alkyl-2-pyrrolidone concentration in micelle and hydroxy- β -cyclodextrin systems used in skin transport studies

In-vitro skin permeation and biological evaluation of lornoxicam monolithic transdermal patches.

Cellular uptake, cytotoxicity and in-vivo evaluation of Tamoxifen citrate loaded niosomes

Guar gum and hydroxy propyl methylcellulose compressed coated tablets for colonic drug delivery: in vitro and in vivo evaluation in healthy human volunteers

Evaluation of mucoadhesive hydrogels loaded with diclofenac sodium-chitosan microspheres for rectal administration.

In Vitro and In Vivo evaluation of combined time and pH- dependent oral colonic targeted prednisolone Microspheres.

Comparative studies on dissolution and bioavailability of Tamoxifen citrate loaded binary and ternary solid dispersions.

Bioavailability and hypocholesterolemic effect of proniosomal simvastatin for transdermal delivery.

In-situ injectable thermosensitive gel based on poloxamer as a new carrier for Tamoxifen citrate.

Comparative studies on dissolution and bioavailability of Tamoxifen citrate loaded binary and ternary solid dispersions

Learning from viruses: The necrotic bodies of tumor cells with intracellular synthetic dsRNA induced strong anti-tumor immune responses.

Novel approach for determination of binding constant and thermodynamic activity of lipophilic drugs in cyclodextrins inclusion complexes.

Mechanistic study of chemical permeation enhancers with different polar and lipophilic functional groups

Mechanistic studies of the effect of hydroxypropyl- β -cyclodextrin on in-vitro transdermal permeation of corticosterone through hairless mouse skin.

In situ thermosensitive Tamoxifen citrate loaded hydrogels: an effective tool in breast cancer loco-regional therapy.

Enhanced Transdermal Permeability of Terbinafine through Novel Nanoemulgel Formulation; Development, In vitro and In vivo Characterization

Development of novel delivery system for nanoencapsulation of catalase: Formulation, characterization and in vivo evaluation using oxidative skin injury model.

Butoconazole nitrate vaginal sponge: Drug release and antifungal efficacy

Conference :

In-vitro skin permeation and anti-inflammatory effect of Lornoxicam transdermal patches using rat paw edema model

Optimization of Declofinac sodium loaded chitosan-microspheres prepared by a modified coacervation method

Novel approach for determination of binding constant and thermodynamic activity of lipophilic drugs in cyclodextrins inclusion complexes

Design and Evaluation of a New Ophthalmic Delivery System for Treatment of Corneal Infection

Mechanistic Studies of the Effect of Cyclodextrins on the in-vitro Transdermal Permeation of Corticosterone through Hairless Mouse Skin

Silicone polymer uptake method ones concentration in micelle systems used in skin transport studies,

Novel approach for determination of binding constant and thermodynamic activity of lipophilic drugs in cyclodextrins inclusion complexes.

Optimization of Declofinac sodium loaded chitosan-microspheres prepared by a modified coacervation method

Formulation and Pharmacotechnical evaluation of transdermal delivery patches of Lornoxicam.

In-vitro skin permeation and anti-inflammatory effect of Lornoxicam transdermal patches using rat paw edema model

loco-regional breast cancer therapy through in situ thermosensitive Tamoxifen citrate niosomal gels.

Novel Approaches for Promoting Drug and Gene Transdermal Permeation

In-Vitro Cellular Uptake and Cytotoxicity of Tamoxifen Citrate Niosomes.

Topically applied liposomal DNA for transcutaneous immunization"

Development of novel immobilized catalase delivery system through nanoencapsulation in Brij® niosomes.

Awards :

Award	Donor	Date
Editorial Board member of Future Journal of Pharmaceutical Sciences, Elsevier	FUE	01/01/2015
AAPS membership	AAPS organization, USA	01/01/2000

