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Lecturer of Pharmaceutics and Industrial Pharmacy

Summary

10 years of experience as a teaching assistant and researcher. Comprehensive knowledge of drug delivery through biological barriers, derived from extensive graduate training in UCL School of Pharmacy and Beni Suef University. Multi-year of research has focused on skin and buccal drug delivery. Research has provided pivotal information in understanding biological barriers characteristics and strategies to deliver drugs through these barriers. Key research expertise areas include: nanotechnology, buccal delivery, skin delivery, and cosmetics. Professional Training includes: Permeation studies, Chromatography, and In vivo studies.

Experience

Faculty of Pharmacy, Beni Suef University, Beni Suef, Egypt 2005 to 2009

Demonstrator

Experimental demonstration of:

- 1- Dosage formulations;
- 2 -Physical Pharmacy;
- 3- Pharmacokinetics;
- 4- Industrial Pharmacy.

UCL School of Pharmacy, London, UK

2010 to 2011

Visiting Scientist

Working on PhD project under supervision of Prof. Jonathan Hadgraft and Dr. Majella Lane at the Pharmaceutics Department, UCL School of Pharmacy. The research project was focusing on the buccal delivery of a variety of drugs and the effect of different solvents on the permeation of the drugs through buccal mucosa

Poster presentation at Skin Forum 2011

Faculty of Pharmacy, Beni Suef University, Beni Suef

2010 to 2013

Assistant Lecturer

Experimental demonstration of:

- 1- Dosage formulations;
- 2 -Physical Pharmacy;
- 3- Pharmacokinetics;
- 4- Industrial Pharmacy.

Faculty of Pharmacy, Beni Suef University., Beni Suef, Egypt

2013 to Present

Lecturer of Pharmaceutics

Education

Faculty of Pharmacy, Cairo University, Beni Suef Bachelor of Science, BSc. in Pharmaceutical Sciences	2003
Faculty of Pharmacy, Cairo University, Cairo Master of Science, MSc. in Pharmaceutical Sciences (Pharmaceutics)	2009
Faculty of Pharmacy, Beni Suef University, Beni Suef Ph.D., Ph.D. in Pharmaceutics	2013

Skills

- HPLC
- Drug Delivery
- Formulation Development
- Laboratory Techniques
- Skin Care
- In Vivo Studies
- Permeability
- University Teaching
- Nanotechnology

Articles and Publications

"Preparation and characterization of mosapride citrate inclusion complexes with natural and synthetic cyclodextrins." Pharmaceutical Development and Technology. December 2011.

"Comparative pharmacokinetic study of two prokinetic drugs in the form of buccal gels against their market products." International Journal of Drug Delivery. January 2014.

"Development and characterization of ketorolac tromethamine osmotic pump tablets." Journal of Drug Delivery Science and Technology, 23 (3). May 2013, 275-281.

"Oral transmucosal drug delivery—current status and future prospects" International journal of pharmaceutics, 2014

"A novel controlled release microsponges containing Albendazole against Haemonchus contortus in experimentally infected goats" Journal of Drug Delivery Science and Technology, 2018

"Formulation Development of Self-Nanoemulsifying Drug Delivery System of Celecoxib for the Management of Oral Cavity Inflammation" Journal of Liposome Research, under publication

"Formulation Design and Optimization of Novel Soft Glycerosomes for Enhanced Topical Delivery of Celecoxib and Cupferron by Box-Behnken Statistical Design" Drug Development and Industrial Pharmacy, under publication

"Effect of Lead Titanate and Titanate as Shielding Agents for Skin Against Harmful UV Radiation" Beni-Suef University Journal of Basic and Applied Sciences, under publication

Projects

- STDF funded project titled "Preparation of surface modified novel nanoparticles for the treatment of mycobacterium infection" – ongoing (Co-PI)
- STDF funded project titled "Environmental effect of different nanoparticles on bacterial flora" – Ongoing (Team member)
- STDF (US-Egypt) funded project titled "Targeting EphA3 using modulated nanoliposomes peptides as cancer therapeutics" – Ongoing (Co-PI)

Courses

EPS XXXI Conference of Pharmaceutical Sciences, The Egyptian Pharmaceutical Society, Cairo, Egypt, 2008

Skin Forum 12th Annual Meeting (Penetrating the Stratum Corneum - Measurement, Modulation and Modelling), Skin Forum- APV, the Campus Westend, Frankfurt, Germany, 2011. Participated with poster titled:

"Applications of Cyclodextrins in Drug Delivery"

FUE International Conference on Pharmaceutical Sciences, Future University in Egypt, Cairo, Egypt, 2013

Teambuilding for Team Leaders, DAAD Kairo Akademie, Beni Suef, Egypt, 2013

Self-Marketing, DAAD Kairo Akademie, Beni Suef, Egypt, 2013

Honors and Awards

Award of excellence and first of Class 2003, Faculty of Pharmacy, Cairo University (Beni Suef Branch), Beni Suef, Egypt, 2003

Short term scholarship for PhD lab work, Ministry of Higher Education, Missions Sectors, UCL School of Pharmacy, London, UK, 2010 to 2011. Worked as visiting scientist in Skin Research group.

Volunteer Work

Egypt Scholars Inc., US

2013 to Present

Webinar Moderation Team Leader

Supervising and conducting moderation for scientific webinars in a variety of subjects addressing fresh graduates and scholars.