

## Alamdar Hussain, Ph.D.

Assistant Professor  
Department of Pharmaceutical Sciences  
College of Pharmacy  
University of Oklahoma Health Sciences Center

### Contact Information:

E-mail: [alamdar-hussain@ouhsc.edu](mailto:alamdar-hussain@ouhsc.edu)

Phone: 405-271-6593 ext. 47472

Office: Rm 316, College of Pharmacy Building, 1110 N Stonewall, Oklahoma City, OK 73117

### Education:

2000: B.S., Pharmacy, Kakatiya University, India

2005: Ph.D., Pharmaceutics, Texas Tech University, TX

### Academic Appointments:

2001-2005: Research Assistant, Texas Tech University School of Pharmacy, TX

2006-2010: Assistant Professor, University of Louisiana College of Pharmacy, LA

2010- present: Assistant Professor, University of Oklahoma College of Pharmacy, OK

### Awards and Honors:

2004: Houston Endowment Award, Texas Tech University School of Pharmacy, TX

2006: Outstanding Graduate Student, Convocation - Graduate School of Biomedical Sciences, Texas Tech University, TX

2007: Rho Chi Teacher of the Year, presented by 2nd Yr. Pharmacy Students, University of Louisiana College of Pharmacy, LA

2007: Mortar Board Outstanding Faculty Award, presented by Mortar Board Pharmacy Students, University of Louisiana, LA

### Research Support:

#### Selected Publications:

1. Hussain A, Yang T, Zaghoul AA, Ahsan F (2003). Pulmonary absorption of insulin mediated by tetradecyl- $\beta$ -maltoside and dimethyl- $\beta$ -cyclodextrin. *Pharmaceutical Research*, 20(10):1551-1557.
2. Youan BBC, Hussain A, Nguyen NT (2003). Evaluation of sucrose esters as alternative surfactants in microencapsulation of proteins by the solvent evaporation method. *AAPS PharmSci.*, 5(2): article 22 (<http://www.pharmsci.org>).
3. Zaghoul AA, Hussain A, Khan MA, Ahsan F (2003). Development of a HPLC method for the determination of cyclosporin-A in rat blood and plasma using naproxen as an internal standard. *Journal of Pharmaceutical and Biomedical analysis*, 31(6):1101-1110.
4. Hussain A, Arnold JJ, Khan MA, Ahsan F (2004). Absorption enhancers in pulmonary protein delivery. *Journal of Controlled Release*, 94(1):15-24.
5. Yang T, Hussain A, Paulson J, Abbruscato TJ, Ahsan F (2004). Cyclodextrins in nasal delivery of low molecular weight heparins: in vivo and in vitro studies. *Pharmaceutical Research*, 21(7):1127-1136.
6. Hussain A, Ahsan F (2005). State of insulin self association does not affect its absorption from the pulmonary route. *European Journal of Pharmaceutical Sciences*, 25(2-3):289-298.
7. Hussain A, Ahsan F (2005). The vagina as a route for systemic drug delivery. *Journal of Controlled Release*, 103(2):301-313.
8. Hussain A, Majumder QH, Ahsan F (2006). Inhaled insulin is better absorbed when administered as a dry powder compared to solution in the presence or absence of alkylglycosides. *Pharmaceutical Research*, 23(1):138-147.

9. Hussain A, Ahsan F (2006). Indication of transcytotic movement of insulin across human bronchial epithelial cells. *Journal of Drug Targeting*, 14(4):181-90.
10. Yang T, Hussain A, Bai S, Khalil IA, Harashima H, Ahsan F (2006). Positively charged polyethylenimines enhance nasal absorption of the negatively charged drug, low molecular weight heparin. *Journal of Controlled Release*, 115(3):289-297.
11. Rawat A, Yang T, Hussain A, Ahsan F (2008). Complexation of a poly-L-arginine with low molecular weight heparin enhances pulmonary absorption of the drug. *Pharmaceutical Research*, 25(4):936-948.