



Ms. Betty Philip

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Teaching Philosophy

For me, teaching challenges for students include using various newer methods to bring the students down to the course basics. It includes developing a basic design approach without throwing their primary interest from the higher-levels of discussion. I found allowing topics of students interest in their assignments, improved their learning curves. I make use of examples and help motivate ideas by placing them in the background of their applications. My favorite is an interactive teaching style mixing lectures with problem sessions. This way the student's applicability towards the ideas they are learning increases.

Position: Lecturer

Qualification: Master of Pharmacy

Area of Specialization: Pharmaceutics

Research interest: My research interest lies in developing microspheres, solid dispersions and complexation products of API's. These formulation techniques provide a challenging recourse to some of the issues faced by conventional drug delivery systems.

Award: i. Research Council Funding ~ 70,000 OMR/- (~182,000 \$)

ii. Gold medal for the best poster in the Ministry of Health Conference

Research Activities

- Publications

Article:

1. Betty Samuel, Syed Naim, Bhaskar Chauhan, Anant Paradkar. Effect of potassium chloride drug on swelling, erosion and release from kappa- carrageenan matrices., AAPS PharmSciTech, 2004, 5(2), 25
2. Betty Samuel, Syed Naim, Bhaskar Chauhan, Anant Paradkar, K.R. Mahadik. Preparation and characterization of lamda-carrageenan and metformin hydrochloride complexes., Indian Drugs, 2004.
3. Betty Samuel, Anil Philip, Kamla Pathak, Devender Pathak. Preparation and evaluation of gastroretentive delivery system of flurbiprofen., Ind. Pharm., 2006. Vol. 45(5), 77-79
4. Betty Samuel, Anil Philip. Importance of statistical method in decision making: Role of ``P value``., Pharma times, 2007, Vol 39.No.4. 14-19
5. Betty Philip, Shabnam Parveen, Kamla Pathak. Preformulative assesment of inclusion complexes of gemfibrozil with cyclodextrin., PDA Journal of Pharmaceutical Sciences, 2008 62(4):300-8
6. Betty Philip, Farheen Sami. Effect of auxillary substances on the complexation efficiency of gemfibrozil -beta- cyclodextrin complexes, .AAPS PharmSciTech, 2010, 11(1):27-35
7. Kamlesh Kumari, Vijay Sharma, Betty Philip, Kamla Pathak. Preparation and evaluation of binary and ternary inclusion complex of Itraconazole, , Der Pharmacia Lettre, 2010, 2(4): 144155
8. Yatendra Kumar, Betty Philip, Kamla Pathak. High efficiency loading and controlled release of highly water-soluble drug, pravastatin sodium by use of cross- linked beta Cyclodextrin. , Int J Pharm Inv. 2011, 1(1): 10-16.
9. Harjeet Singh, Betty Philip, Kamla Pathak. Preparation, Characterization and Pharmacodynamic evaluation of fused dispersions of simvastatin using PEO-PPO block copolymer., Iranian J Pharm Sci, 2012, 119 (2), 433-445.

10. Philip AK, Philip B. Asymmetric membrane capsule: A means for controlled drug release even with a membrane defect., *Tablets and Capsules*, 2010, July 7th.
11. Philip AK, Philip B. Phase transited and vapor induced dual capsular system (DCS) for achieving delayed and osmotic release of cefadroxil., *Pharmaceutical Development and Technology*, 2010; 16(5): 457-65.
12. Philip AK, Philip B. Phase transited asymmetric membrane capsule: A means for achieving delayed and controlled osmotic flow., *Current Drug Delivery*, 2010: 7(3): 230-237.
13. Philip AK, Philip B. In-situ phase transited asymmetric membrane capsule: A means for achieving delayed and osmotic release for pH solubility dependant drugs., *PDA Journal of Pharmaceutical Science and Technology*, 2011; 65(1): 32-41.
14. Philip AK, Philip B. Colon targeted drug delivery systems: A review on primary and novel approaches. , *Oman Medical Journal*, 2010; 25 (2): 68-76.
15. Philip AK, Philip B. Chornopharmaceuticals:, Hype or future of pharmaceutics. *Current Pharmaceutical Design*, 2011;17(15):1512-6.
16. Philip B, Al Salmi A, Al Abri I, Al Azri, A, Philip AK. In-situ fiber optics analysis of microparticles of a poorly water soluble drug. *International , Journal of Pharmaceutical and Biological Archives*, 2014; 5(3): 53 – 57.
17. Philip AK, Philip B, Al Senani H. Application of modified USP apparatus I and in situ fiber optic analysis for drug release from ibuprofen nanospheres. , *International Journal of Pharmacy and Pharmaceutical Sciences*, 2014; 6 (9): 527-30
18. Philip AK, Philip B. Direct-path and dip-probe fibre optics as alternatives for analysing controlled drug release, *Tablets and Capsules*, Topic:Medical sciences, Vol:8, Iss:8, pp:123, 2016-08-16, CSC publishing, U.S.A
19. Philip AK, Philip B. Fiber optics in dissolution testing, *Tablets and Capsules*, Topic:Engineering and Technology, Vol:1, Iss:28, pp:1, 2019-01-28, CSC Publishing, USA

