


<b>Name</b>	: Jyothikrishna P	
<b>Department</b>	: Pharmacy Practice	
<b>Contact Address</b>	: Research Scholar Department of pharmacy Practice JSS College of Pharmacy, Ooty TamilNadu, India	
<b>Email ID</b>	: jyothikrishna1020@gmail.com	

**Educational Qualification** : M. Pharm

**Year of Registration** : 01.07.2018

**Project Supervisor** : Dr. Arun KP, Asst. Professor, Department of Pharmacy Practice, JSS College of Pharmacy, Ooty.

### **Research Abstract**

Many of the antibiotics, though were developed several decades ago, the optimal dosage regimen of these antibiotics that includes the dose per se, the dosing interval and total duration of treatment is still not have been well defined. This ambiguity in antibiotic dosage regimen paved way for a seriouth threat to the medical fraternity across the globe called bacterial resistance to anti microbial agents. Such resistance resulted in the treatment failure of many of the commercially available antibiotics at the clinically tolerable doses. The differences in the use, irrational and or misuse of antibiotics among regions and countries result in different types of bacterial resistance to such agents at different degrees. In these contexts, the present study is proposed with the general aim of developing pharmacokinetic (PK) and pharmacokinetic-pharmacodynamic (PK-PD) models, to characterize the interactions of antibiotics with bacterial growth, killing, and resistance .

### **Awards&Scholarships**

Senior Research Fellowship of the Indian Council of Medical Research (ICMR).

### **Way Forward:**

To reach a challenging position as a Research Proffessional, And widen my horizons by the process of learning, developing and implementing my creative and innovative ideas in the field of research.