



KRUPANIDHI COLLEGE OF PHARMACY

(NAAC 'A+' Accredited | PCI | AICTE Approved | RGUHS University)

DEPARTMENT OF PHARMACEUTICS

DEPARTMENT VISION, MISSION



VISION

Our vision is to conduct innovative research across broad spectrum of Pharmaceuticals and transfer the knowledge to external partners



MISSION

Our mission is to recognize as centre of excellence in drug delivery



DEPARTMENT OF PHARMACEUTICS



- **M.Pharm 2004, PhD 2008**
- **Well-equipped PG pharmaceuticals lab and machine room**
- **Well-spaced 3 UG labs**

The department strives for excellence by encouraging students to participate, present and publish in national and international level conferences and journals



OUR TEAM



Dr. PREETHI SUDHEER
Professor & Head

25+ Years of academic & industry experience



Dr. ESWAR GUPTA MADDI
Professor

25+ Years of academic experience



Dr. SAYANI BHATTACHARYA
Associate Professor

20+ Years of academic experience



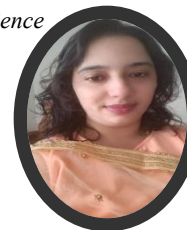
Mrs. LITHA THOMAS
Assistant Professor

10 Years of academic experience



Mrs. ASHWINI ALLUR
Assistant Professor

5+ Years of academic experience



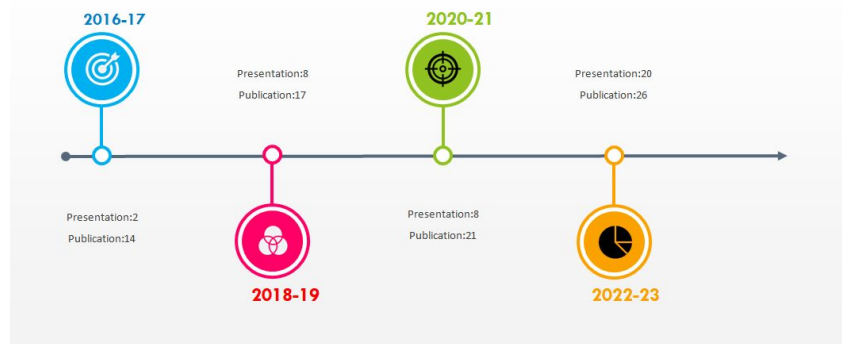
Mrs. B. SARAH PRIYANKA
Assistant Professor

4+ Years of academic experience

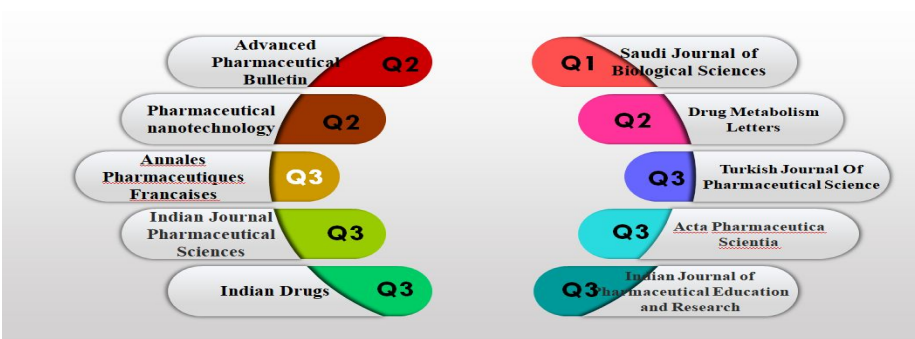


RESEARCH

PUBLICATIONS AND PRESENTATIONS



Publications:77
Scopus:44
WOS: 12
Presentations:38



Journal list- Paper Published

Presentations in conference



SELECTED RESEARCH PUBLICATIONS

Research Publication	
Sudheer, P. and Ramachandra, D.P. (2023) "Self-micro emulsifying drug delivery via intestinal lymphatics: A lucrative approach to drug targeting," <i>Pharmaceutical Nanotechnology</i> .	Q2 journal
Bhattacharyya, S. and Nanjareddy, L. (2022) "Assessment of nano lipid carrier loaded transdermal patch of rizatriptan benzoate," <i>Drug Metabolism and Bioanalysis Letters</i> .	Q2 journal
Litha Thomas et al. , (2022) "Formulation and in-vitro characterization of fast-disintegrating herbal extract sublingual immunotherapy tablet for peanut-induced allergic asthma," <i>Saudi Journal of Biological Sciences</i> .	Q1 journal
Sudheer, P. , Shrestha, S. and Narayana, K.A. (2021) "Amorphous solid dispersion based oral disintegrating film of Ezetimibe: Development and Evaluation," <i>Drug Metabolism Letters</i> .	Q2 journal
Bhattacharyya, S. et al. (2020) "Experimental Design supported liposomal aztreonam delivery: <i>in Vitro</i> studies," <i>Advanced Pharmaceutical Bulletin</i> .	Q1 journal



BOOK CHAPTERS

Book Chapters

Sudheer P, Darshan PR.(2023) Fast dissolving films-An innovative approach in delivering nutraceuticals, Industrial application of fundamental food, ingredients and nutraceuticals

Bhattacharyya, S., Si, A. and Ray, S. (2022) “Liposomes as a skin delivery system for Cosmeceuticals,” Nanocosmeceuticals

Bhattacharyya, S. et al. (2020) “Advances in pulmonary nanomedicine for therapeutic management of respiratory diseases,” Nano Medicine and Nano Safety



RESEARCH GRANTS

Bioavailability Enhancement of Aripiprazole by Nano Formulation Approaches *Dr. Preethi Sudheer (Rs.2.15 L)*

Influence of Serratiopeptidase on the Bioavailability of any New Anti Tubercular Drug *Dr. Arti Mohan (Rs.1.5L)*

Development and Optimization of Intranasal Delivery System of Frovatriptan Loaded Chitosan Nanoparticle for Brain Targeting
Ms. Litha Thomas (Rs.15000/-)

The Effect of Mesoporous silica as a Novel Adsorbent in Liquid Solid Compact of Lumefantrine.

Dr. Sayani Bhattacharya (Rs.15000/-)

Development and Evaluation of Gellan Gum Based Micro Particles of Nizatidine for Management of Gastrointestinal Ulcers *Dr. Preethi Sudheer (Rs.15000/-)*

Formulation and Evaluation of Poly Micelles of Telmisartan for Oral Delivery- *In-Vitro* and *Ex-Vivo* Studies *Dr. Sayani Bhattacharya (Rs.15000/-)*

Development and Evaluation of Valociclovir in situ Vaginal gel for the management of Genital Herpes *Dr. Preethi Sudheer (Rs.15000/-)*

Formulation and Evaluation of a Solid Novel Microemulsion of Lamivudine- an attempt to reduce the associated toxicity Studies *Dr. Sayani Bhattacharya (Rs.15000/-)*



ACCOLADES

2023



2022



Cash prize: Rs 7500/-

Cash prize: Rs 10000/-

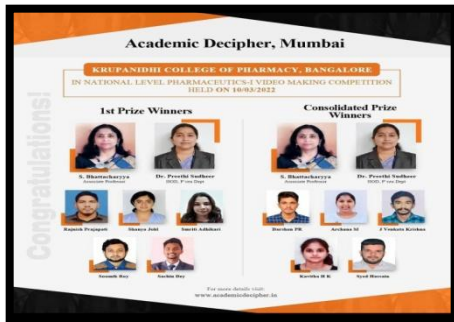
Cash prize: Rs 10000/-



ACCOLADES



2021



Cash prize: Rs 7500 and Rs 1500



Cash prize: Rs 10000



PARTICIPATION



Dr. Sayani attended FDP by Biocon



Dr. Preethi Sudheer - Resource Person for Pharmadisha



Dr. Arti Mohan attended Residential Training Program on Nanotechnology by IISc



FACILITIES / ACTIVITIES



FACILITIES

ICT ENABLED CLASSROOM



DEPARTMENTAL
LIBRARY



FACILITIES

Well equipped labs with sophisticated instruments



**Lyophilizer
(RPS funded)**



Spray Dryer



Deep freezer



Rotary Evaporator



Overview of machine room



Dissolution Apparatus



WORKSHOPS/SEMINARS ORGANIZED

SPONSORED WORKSHOP

Pharmacokinetic(PK)/Pharmacodynamic (PD) Modeling using Certara™ Phoenix WinNonlin® Software: Concepts, Applications and Hands on Training

A One Day Workshop on Pharmacokinetic (PK)/Pharmacodynamic (PD) Modeling using Certara™ Phoenix WinNonlin® Software: Concepts, Applications and Hands on Training.
September 7th, 2016
Registration Form

Organizing Committee:
 Convenor: **Dr. Bharani S Sogal**, M.Pharm, PhD, Professor & HOD, Department of Pharmacokinetics
 Coordinator: **Mr. Anshul Basheer Khan**, M.Pharm, Associate Professor
 Organizing members: **Mr. Praveen M Pham**, Professor, **Mrs. Kavitha M. M Pham**, Associate Professor, **Ms. Ruchi Agrawal**, M.Pharm, Asst. Professor, **Ms. Deepthi V. M Pham**, Asst. Professor, **Ms. Ananya M Pham**, Asst. Professor, **Mrs. Latha Thomas**, M.Pharm, Asst. Professor

Schedule:
 9.00-9.30: Inauguration
 9.30-10.15: How to design a good PK study?
 10.15-11.00: Tea-break
 11.00-12.30: PK/PD PK models: Compartmental, NonPK/PD
 12.30-13.15: Lunch break
 13.15-14.45: Biopharmaceutics & bioequivalence testing: in vivo-in vitro correlation models
 14.45-16.00: Tea break
 16.00-16.30: Feedback followed by Valedictory

Venue:
 Krupanidhi College of Pharmacy, 12/1, Chikka Betanahalli, Carmelaram Post, Varthur-Hoal, Bangalore-560035
www.pharmwww.krupanidhi.edu.in

Chief Patron:
 Dr. Sunil Nagappa, Founder & Chairman, RAJYU UNIVERSITY OF HEALTH SCIENCES, KARNATAKA
Patron:
 Dr. Ramon Dang, Principal, Krupanidhi College of Pharmacy

About the Institute:
 Krupanidhi College of Pharmacy (KCP) was established in 1985, and continues to expand by creating the "Perfect Pharmacy". KCP is located in Bangalore city, near Carmelaram railway station in a lush, 11 acres green campus. KCP is ISO 9001:2008 certified and is accredited by NAAC, UGC.

About the Workshop:
 The workshop has been planned to review and extend key pharmacokinetic (PK) and pharmacodynamic (PD) concepts, and to apply them to basic PK/PD data analysis. In particular, it will cover and emphasize the validity, installation, interpretation and usefulness of different approaches to PK data analysis during drug development, i.e. compartmental PK/PD modeling and parameter estimation using nonlinear regression programs, non-compartmental PK analysis, and fundamentals of physiologically-based PK modeling (PBPK). The program entails extensive hands-on computer-based analysis of PK and PD data using Software Products on industry standard Phoenix® WinNonlin® Platform. Hence, participants are expected to have basic understanding about pharmacokinetics.

Who Should Attend?
 Our interactive hands-on workshop will be especially useful to the faculty, postgraduate and research scholars of Pharmaceutical Sciences. Participants are required to bring their own laptops for this workshop. One month before the registration participants one week prior to the commencement of the workshop.

System and Hardware Requirements:
 Phoenix WinNonlin® is supported for both 32- and 64-bit versions of Windows® 7, 8, Windows 10 (Windows 10 is not compatible).

Minimum Hardware requirements:
 Processor Intel Core™ 2 Duo™ or a CPU of EQUIVALENT processing Power
 2 Gigabytes of RAM and hard drive free space 300 megabytes

Specific objectives of the workshop:
 How to design a good PK study? (Pharmacokinetics)
 Non-Compartmental Methods - Plasma and Urine PK/PD Data Analysis - Compartmental modeling
 Assessment of bioequivalence
 Pharmacodynamic Modeling
 PK/PD PK/PD and PK/PD Correlations

Resource Person:
 Dr. Venkateshwar Murthukrishnan, Senior Scientist, Consultant, Pharmagrip Products, Certara™, USA.

Registration Details:
 Only 10 Participants will be available for the workshop.
 Registration fees: 1000/- (Cash/Research Scholars Rs. 500/-)
 (Includes Lunch and Registration Fee)

Last date of Registration:
 20th August, 2016

Two day workshop on Computer Aided Drug Delivery System (PCI Sponsored)

KRUPANIDHI COLLEGE OF PHARMACY, BANGALORE

Two day workshop on "Computer Aided Drug Delivery System"

DATE 31/03/2016 & 01/04/2016
 VENUE: KRUPANIDHI COLLEGE OF PHARMACY, BANGALORE

SPONSORED BY:
 PHARMACY COUNCIL OF INDIA.

In association with
RAJYU GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA.



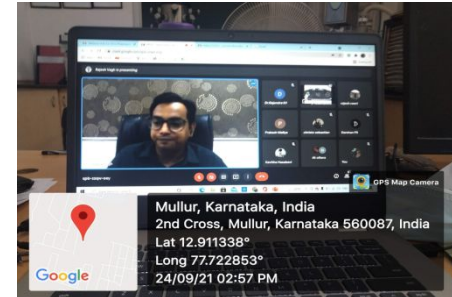
Session by Mr. Sudheer Babu



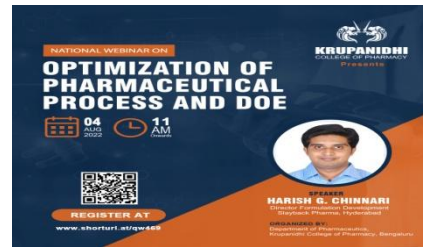
WORKSHOPS/SEMINARS ORGANIZED

WEBINAR

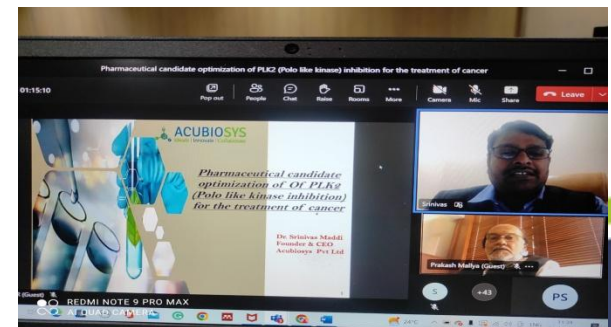
ARTIFICIAL INTELLIGENCE IN PHARMACEUTICALS



OPTIMIZATION OF PHARMACEUTICALS PROCESS AND DOE



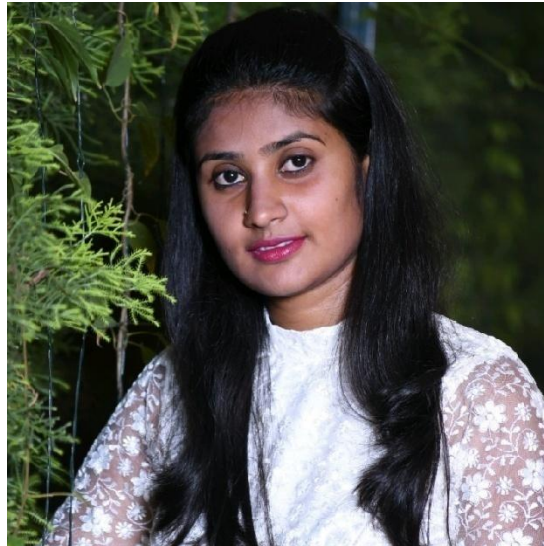
PHARMACEUTICALS CANDIDATE OPTIMIZATION OF PLK2



UNIVERSITY RANKHOLDERS



Mr. Sangam Shresta
Rank 10 (2017-18)



Ms. Priyanka Reddy
Rank 9(2018-19)



Ms. Joslin J
Rank 10(2018-19)



Future focus



