SSPM'S Shramjivi College of Pharmacy, Omerga

Rohit Babshetty

Basic Information

Mother Name	Premlata	Middle Name	Basavraj	City	Khajuri, Aland
Date of Birth	31-07-1994	Marital Status	Married	Employee Code	-
Highest Qualification		Post-Graduation		Pincode	585314
State	Karnataka	Address	At. post Khajuri Tq.Aland Dist.Kalburgi	Emergency Contact Number	8010165638

Qualification

1.

Course	Pharmacy	University	Rajiv Gandhi University of Health Sciences Banglore
Qualification	Post-Graduation	Status	Completed
Institute	HKE'S Matoshree Taradevi RampureCollege of Pharmacy Kalaburgi	Completion Date	01 May, 2019

2.

Course	Pharmaceutical Sciences	University	Madhav University,P.O.-Bharja,Abu Rod,Pindwara,Rajasthan-307026
Qualification	Ph.D	Status	Pursuing
Institute	Department of Pharmacy Madhav University Pindwara	Completion Date	-

Certification Program

1.

Course Name	Clinical Research	University	DBAMU,Aurangabad,Maharashtra.
Institute	Shri Balaji Shikshan Prasarak Mandal's B.Pharmacy College Ambajogai	Start Date	01 Oct, 2023
Completion Date	04 Oct, 2023		

Professional Experience

1 .

Designation	Assistant Professor	Experience Status	Currently associated
Department	Pharmaceutics	Joining Date	17 Jun, 2019
Last Working Date	-	Key Areas of Expertise	-

Achievements / Awards

1 .

Achievements / Awards	This is to certify that, MR.ROHIT BABSHETTY of SSPM'S SHRAMAJIVI COLLEGE OF PHARMACY co-ordinated in conducting the Intellectual Property Awareness program under National Intellectual Property Awareness Mission on February 23,2022

2 .

Achievements / Awards	You are awarded this certificate for participating in the "National Level Educational Innovation Competition-2023"based on Innovative Practice in School Education, Your contribution to quality in education is exceptional.

Seminars / Workshops / Conferences / Presentation / Poster Presentation

1.

Event	Conferences	Event Type	Attended	Event Status	International
Title	17TH INDO-MALAYSIAN INTERNATIONAL CONFERENCE	Your Role	Participant		
From Date	23 Sep, 2022	To Date	23 Sep, 2022		

Organizing Body	Association of Pharmacy Professional Maharashtra State Branch and APP Malaysian and West Indies	Coordinator	Dr.Mrunal K.Shirsat	Speaker	Dr.Sunita Dahiya	
Details	-					
2.						
Event	Workshops		Event Type	Attended	Event Status	National
Title	Skill Development		Your Role	Resource Person		
From Date	14 Oct, 2022		To Date	14 Oct, 2022		
Organizing Body	OPEX ACCELERATOR PVT.LTD.	Coordinator	Mr.Babshetty Rohit Basavraj	Speaker	Mr.Sachin Komboje	
Details	-					
Books / Monographs						
1.						
Book Title	Pathophysiology		Book Status	National		
Publisher	Brilliant Publication		Date of Publication	19 May, 2023		
Author	Mr.Babshetty R.B.		Co - authors	Dr.Vishnu S.Neharkar,Dr.Nandu R.Kayande & Ms.Gokula P.Adhao		
Details	This book is titled "Text Book of Pathophysiology" for B.Pharmacy 2nd Semester(as per PCI regulations). Pathophysiology is the bridge between anatomy, physiology and pharmacology. Adequate insight into pathophysiology will be useful for a better understanding of pharmacology. This book will be useful from an academic point of view especially for pharmacy students as this subject has been introduced recently. We have tried to provide as much current and updated information as possible and we have also sincerely tried to create a perfect blend of reference and investigation book. With this in mind, we aim to provide a comprehensive pathophysiology text through plain language diagrams, flowcharts and tables whenever necessary. Other features include a brief introduction to the system along with a question bank and university question set.						
2.						
Book Title	Pharmaceutical Engineering		Book Status	National		
Publisher	Brilliant Publication		Date of Publication	19 May, 2023		
Author	Mr.Babshetty Rohit Basavraj		Co - authors	Mr.Ravindra Ashokrao Sarkate,Ms.Anita Ashok Yadav & Mr.Mahesh D.Kolhe		
Details	This book is titled "Text Book of Pharmaceutical Engineering" (as per PCI regulations)for B.Pharmacy 3rd semester. This book is designed to provide a basic understanding of art and science various unit operations used in the pharmaceutical industry. To Pharmaceutical engineering deals with the study of the industrial processes required to convert raw materials into value-added pharmaceuticals such as drugs and excipients. It is an important subject for both industrial pharmacists and university students.					
3.						
Book Title	Physical Pharmaceutics-II		Book Status	National		
Publisher	Brilliant Publication		Date of Publication	19 May, 2023		
Author	Mr.Ravi Kurhade		Co - authors	Mr.Babshetty Rohit Basavraj,Mr.Ravi Pimpale,Mr.Sakhare Vishal		
Details	This book is titled "Text Book of Physical Pharmaceutis-II" for B.Pharmacy 4th semester (as per PCI regulations). This book is designed to provide a proper and detail understanding.					
4.						
Book Title	Industrial Pharmacy-I		Book Status	National		
Publisher	Brilliant Publication		Date of Publication	01 Jan, 2024		
Author	-		Co - authors	Mr.Babshetty Rohit Basavraj		
Details	This book is titled "Text Book of Industrial Pharmacy-I" (as per PCI regulations). This book is designed to provide a basic understanding.					
5.						
Book Title	Industrial Pharmacy-II		Book Status	National		
Publisher	Brilliant Publication		Date of Publication	01 Jan, 2024		
Author	Mr.Babshetty Rohit Basavraj		Co - authors	Mrs.Hemalata Sagar Wadkar,Dr.Ashish Bhagwantrao Navghare,Mr.Ravindra Ashokrao Sarkate		
Details	This book has been written for the students of Pharmaceutical Sciences & Technology, especially for B. Pharm 4th year 7th semester students. The contents of the book are strictly as per the new syllabus as prescribed by the Pharmacy Council of India. All topics and sub-topics of each unit are explained in fairly simple language to make it accessible to the student. The author's extensive experience during classroom instruction was also incorporated to represent the work.					
Patents Granted / Filed						
1.						
Status	Published		Level		Application Number	202321014201

Date (Granted / Filed)	18 Mar, 2023	Date of Details	“MODULATING THE SOLUBILITY AND PHYSICOCHEMICAL CHARACTERIZATION OF ITRACANAZOLE VIA COCRYSTALS” The present invention relates to modulate solubility and study the physicochemical characteristics of Itraconazole (ITZ), Cinnamic Acid (Ci), Caffeine (Ca) cocrystal by using Liquid assisted grinding and Neat grinding method. Cocrystals are prepared by using Liquid assisted grinding method and Neat grinding method by using different proportions i.e 1:1 and 1:2 proportion. Physicochemical characterizations are performed using powder X-ray diffraction (PXRD), differential scanning calorimetry, Fourier transform infrared (IR) spectroscopy, scanning electron microscope (SEM), and dissolution test and stability studies. The study concluded that cocrystals of ITZ-Ci are successfully formed using Liquid assisted grinding method and cocrystals of ITZ-Ca are successfully formed using Neat grinding method. The formed cocrystals of ITZ-Ci and ITZ-Ca exhibited different physicochemical characteristics as compared to the constituent materials. The formed cocrystals prepared by ITZ-Ci have a high intensity of diffraction peak on X-ray diffraction and the highest dissolving efficiency at lowest time interval. All the batches of ITZ-Ci and ITZ-Ca is stable during the different temperature.
2.			
Status	Published	Level	Application Number
Date (Granted / Filed)	19 Apr, 2024	Date of Details	TITLE: ULTRASONICATOR APPARATUS FOR SYNTHESIS OF NIOSOME Niosomes, being non-ionic surfactant vesicles, have gained immense attention in the field of drug delivery due to their biocompatibility, stability, and versatility. The synthesis of niosomes involves various methods, among which ultrasonication stands out as a prominent technique for its efficiency and versatility. Ultrasonication involves the application of high-frequency sound waves (>20 kHz) to agitate particles in a medium, leading to the formation of cavitation bubbles. These bubbles undergo rapid expansion and collapse within the liquid, generating intense shear forces and microjets. This phenomenon causes the disruption of lipid bilayers, leading to the formation of smaller vesicles or unilamellar niosomes. The mechanical energy imparted by ultrasonication facilitates the dispersion of lipid components and aids in the encapsulation of therapeutic agents within the vesicles.
Extension Activities			
1.			
Title	Pharmacist Day	Role	Coordinator
Start Date	25 Sep, 2019	End Date	25 Sep, 2019
Details			
2.			
Title	Mahindra Pride Classroom	Role	Coordinator
Start Date	01 Feb, 2023	End Date	03 Feb, 2023
Details			
Publications			
1.			
Publication Type	Research Publications	Publication Status	National
Indexed In	Scopus	Published Date	01 Feb, 2023
Title	THE IN-VITRO ANTIOXIDANT ACTIVITY OF POLYHERBAL DRUG AND IN COMBINATION USING DPPH METHOD	Journal Name	Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery
Main Author	Ranajit Damodhar Tijare	Co-Authors	Dipali A. Rathod Rohit B. Babshetty Sushil D.Patil Sushmita S.Chavan Vijay D. Wagh Suchita L. Shetkar Abhijeet Pohekar Chanbas S. Shetgar Kshitija P. Deshmukh
ISSN	1001-1781	Page Numbers	2578
Issue	2,2023	Volume	27
Publication Year	2023	Details	The present study deal with the study of aqueous alcohol extract of Allium sativum (bulb), Phyllanthus emblica (fruits) and Curcuma longa (rhizomes) were used for relative analysis of antioxidant activity. Antioxidant activity was determined by DPPH (1,1-dipharyl- 2-picrylhydrazyl) method and expressed with comparison to ascorbic acid. It was found that Phyllanthus emblica, Trigonella foenum graecum and Curcuma longa had more potent antioxidant activity than the Allium sativum. In combination, all four herbal drugs were used in combination for the screening of In vitro antioxidant activity which showed the significant radical scavenging potential. In vitro screening used for the study and evaluation of herbal drug for antioxidant activity in combination or individually also.
2.			
Publication Type	Research Publications	Publication Status	National

Indexed In	Scopus	Published Date	20 Feb, 2023
Title	STUDIES ON ANTIMICROBIAL & ANTIOXIDANT PROPERTIES OF WITHANIA SOMNIFERA L. IN MAHARASHTRA REGION	Journal Name	Journal of Clinical Otorhinolaryngology
Main Author	Babshetty Rohit Basavraj	Co-Authors	Shetgar Chanbas Shivshankar Shah Rutuja Rajendra Chopne Kiran Dayanand Patil Akash Shrikrishna Patil Sandhya Dharamveer Wagh Vijay Dhondiram Korke Pooja Basavaraj
ISSN	1001-1781	Page Numbers	2588
Issue	2, 2023	Volume	27
Publication Year	2023	Details	In the current study, we evaluate the antibacterial study of Ashwagandha [Withania somnifera L. (Solanaceae; root and leaves), which is an traditional medicinal plant which is used in the treatment of the pathogenic bacteria. to possess strong antibacterial activity against a range of bacteria, as revealed by in vitro Agar Well Diffusion Method, we have used Aqueous as well as alcoholic extracts of the plant (root as well as leaves) were found. The methanolic extract was further sub-fractionated using various solvents and the butanolic sub-fraction was found to possess maximum inhibitory activity against a spectrum of bacteria including Salmonella typhimurium. Moreover, in contrast to the synthetic antibiotic (viz. chloramphenicol), these extracts did not induce lyses on incubation with human erythrocytes, advocating their safety to the living cells. Finally, the antibacterial efficacy of the extracts isolated from plant (both root and leaves) was determined against experimental salmonellosis. Oral administration of the aqueous extracts successfully obliterated salmonella infection which also revealed by increased survival rate as well as less bacterial load in various vital organs of the treated animals. Key word: Withania somnifera L., Antimicrobial, Antioxidant
3.			
Publication Type	Research Publications	Publication Status	International
Indexed In	Scopus	Published Date	01 Jul, 2024
Title	Formulation and evaluation of chronotherapeutic beads using antiasthamatic agent Montelukast Sodium.	Journal Name	Library Progress International
Main Author	first author	Co-Authors	N. D Hembade, N. S. Gallani, Patil Akash Shrikrishna, Shetgar Chanbas Shivshankar, Chopne Kiran Dayanand, Patil Sandhya Dharmveer, Chandanshive Arti Hanumant
ISSN	0970-1052	Page Numbers	2
Issue	03	Volume	44
Publication Year	2024	Details	This study explores the development of oral controlled release systems for Montelukast sodium aimed at treating nocturnal asthma. Utilizing multiparticulate systems like chitosan and sodium alginate beads, the formulations maintain therapeutic drug concentrations over extended periods. Characterization confirmed the drug's integrity through melting point, UV scanning, and FTIR spectroscopy. Beads were created with varying drug-to-polymer ratios, achieving encapsulation efficiencies of 25.17% to 78.28%. Chitosan-based formulations exhibited superior mucoadhesion due to its positive charge. In vitro drug release studies demonstrated sustained release with a lag time of up to 6 hours in Eudragit S-100 coated beads, following zero-order kinetics. Stability studies indicated formulations remained stable at 40C and 75% humidity for three months. The results indicate that these chronotherapeutic beads effectively deliver Montelukast sodium, optimizing drug release for patients with nocturnal asthma and enhancing therapeutic efficacy and compliance.
Core Competency Areas			
1.			
Competency Area	Administrative	Details	Administrative related work
2.			
Competency Area	Research	Details	Research Scholar Of Ph.D
3.			
Competency Area	Academics	Details	Overall Academic knowledge