Edited Book

Recent Advances In Pharmaceutical Sciences

(Volume 5)

Dr. Arun Kumar Pandey and Dr. Harshita Jain

Publisher



Innovare Academic Sciences Pvt Ltd

T-8, Mahaveer Apartment, Near SIRT College, Ayodhya Bypass, Bhopal 462041, MP, India. **Phone:** +91 425108574

Email: info@innovareacademics.in | https://innovareacademics.in/

Edited Book: Recent Advances in Pharmaceutical Sciences (Volume 5)

Publication Year: Feb. 2022

MRP: INR 500

© Innovare Academic Sciences Pvt Ltd

ISBN: 978-81-952065-2-0

Publisher and address:

Innovare Academic Sciences Pvt Ltd

T-8, Mahaveer Apartment, Near SIRT College, Ayodhya Bypass, Bhopal

462041, MP, India. Phone: +91 9425108574

Email: info@innovareacademics.in | https://innovareacademics.in/

Printer: Innovare Academic Sciences Pvt Ltd

About the Book

Pharmaceutical sciences include broad range of multidisciplinary subject seeking to foster the integration of areas of knowledge that focus on all facet of drug and therapies. Pharmaceutical sciences ranges from identification and control of organism causing disease, design of drug, formulation, clinical trial, metabolism, quality control and audit of drugs, manufacturing, plant-based source of medicines, food sciences, public, to environmental health for improving the quality of human life.

The Chapter of the compiled edited book contains advanced knowledge and the updated research outcomes to update the readers. It touched on addressing the recent advancement of pharmaceutical sciences through the different approaches with the aim for the betterment of society and health of well-being. Additionally, its multidisciplinary nature in pharmaceutical sciences contributes valuably to other research areas like medical, biological, and chemical sciences.

The edited book aims to bring authors to one platform with the different subjects of Pharmaceutical sciences and share their knowledge for further research.

We hope that this book may interest a broad readership for upgrading and acquiring the latest information for the extension of the study.

Its continuous volume will come one by one to share more information and knowledge on recent advancements in pharmaceutical science.

<u>Index</u>

Chapter No.	Title	Author(s)	Page No.
1.	PRODUCTION OF BETALAINS FROM HAIRY ROOT CULTURE OF BETA VULGARIS AND ITS USE IN PARACETAMOL SYRUP AS A NATURAL COLOURANT	Ashoka Babu VL	1-11
2.	SARS-CoV2 INFECTION: MANIFESTATIONS, MANAGEMENT & RECOMMENDATIONS	Neha Ghiloria, Vaibhav walia	12-21
3.	ISOLATION AND IN VITRO ANTIOXIDA ACTIVITY OF FLAVONOID FROM <i>LINDERI</i> <i>CRUSTACEA</i> (L) F. MUELL	Smriti Rekha Chanda Das, Abdul Baquee Ahmed, Dibyendu Shil, Indranil Chanda	22-36
4.	PHYSIOLOGY OF AGING AND VARIOUS NOVEL ANTI-AGING THERAPIES	G. Sridevi, R. Gayathri Devi	37-47
5.	ENHANCEMENT OF SOLUBILITY AND DISSOLUTION RATE OF ACETYLSALICYLIC ACID VIA CO-CRYSTALLIZATION TECHNIQUE: A NOVEL ASA-VALINECOCRYSTAL	Shanthala H.K, Dr. Jayaprakash H.V	48-62
6.	DESIGNING AND OPTIMIZATION OF NAPROXEN SODIUM DEFORMABLE VESICULAR SYSTEMS THROUGH FACTORIAL DESIGN: BOX BEHENKEN MODEL	Dr. Naveen gupta, Dr. Neeraj sharma, Dr. Bhaskar Kumar Gupta, Ankita Shukla	63-81
7.	NOSE-TO-BRAIN DRUG DELIVERY: AN UPDATE TO THE ALTERNATIVE PATH TO SUCCESSFUL TARGETED ANTI- MIGRAINE DRUGS	Souvik Chattopadhyay, Sujit Das, Koushik Narayan Sarma, Dipan Roy, Souvik Biswas, Suhasis Bhattacharya, Subhas Chandra Maity	82-110
8.	EVALUATION OF ANTIDIABETIC, ANTIHYPERLIPIDEMIC AND ANTIBIOFILM ACTIVITY OF PIPER CHABA ROOT EXTRACTS ON WISTER ALBINO RATS	Sultana Rajia, Khadiza Khana Umme Farhana, Sohanur Rahman, Rashidul Haque'	111-127
9.	INFLUENCE OF TOTAL NECK LENGTH AND ANTEROPOSTERIOR DIAMETER OF THE HEAD ON TOTAL HEAD EXCURSION - A PROSPECTIVE STUDY	Vrindha Baroor, Gayathri Raj, Michael Raj S, Dheeraj Lamba	128-140
10.	FORMULATION, IN VITRO, AND IN VIVO EVALUATION OF TASTE-MASKED ORAL DISINTEGRATING TABLETS OF FEXOFENADINE HYDROCHLORIDE USING SEMISYNTHETIC AND NATURAL SUPERDISINTEGRANTS	Dr Nagadani Swarnalatha, Dr Vidyavathi Maravajhala	141-166
11.	STERILITY TESTING OF OPHTHALMIC OCUSERT ACICLOVIR USED FOR TREATING HERPES SIMPLEX VIRUS	S.Valarmathi, K.Malarvizhi, M.Abdul Nazeer	167-171
12.	MATRIX METALLOPROTEINASES 2 AND 9 IN AVOCATION OF MULTITUDINAL	Stellaa Robertson	172-192

	COMPLICATIONS IN EXPLICITLY TO CARCINOMA: REVIEW		
13.	DIAGNOSIS AND TREATMENT PLANNING FOR DENTAL IMPLANTS – A REVIEW	Saransh, Yasir S. Khan, Nikita Jain, Divya Dubey	193-205
14.	NIOSOMES: A PROMISING DRUG DELIVERY SYSTEM IN TRANSDERMAL DRUG DELIVERY (TDDS)	Vibhavari M. Chatur, Shashikant N. Dhole	206-222
15.	SELF EMULSIFYING DRUG DELIVERY SYSTEM AS A NOVEL APPROACH TO ENHANCE ORAL BIOAVAILABILITY OF POORLY SOLUBLE DRUGS	Dr. Preeti P.Mehta	223-237
16.	ANALYTICAL METHOD DEVELOPMENT, VALIDATION AND STABILITY STUDIES BY RP-HPLC METHOD FOR SIMULTANEOUS ESTIMATION OF ANDROGRAPHOLIDE AND CURCUMIN IN CO-ENCAPSULATED NANOSTRUCTURED LIPID CARRIER DRUG DELIVERY SYSTEM	Asit Kumar De, Tanmoy Bera	238-264