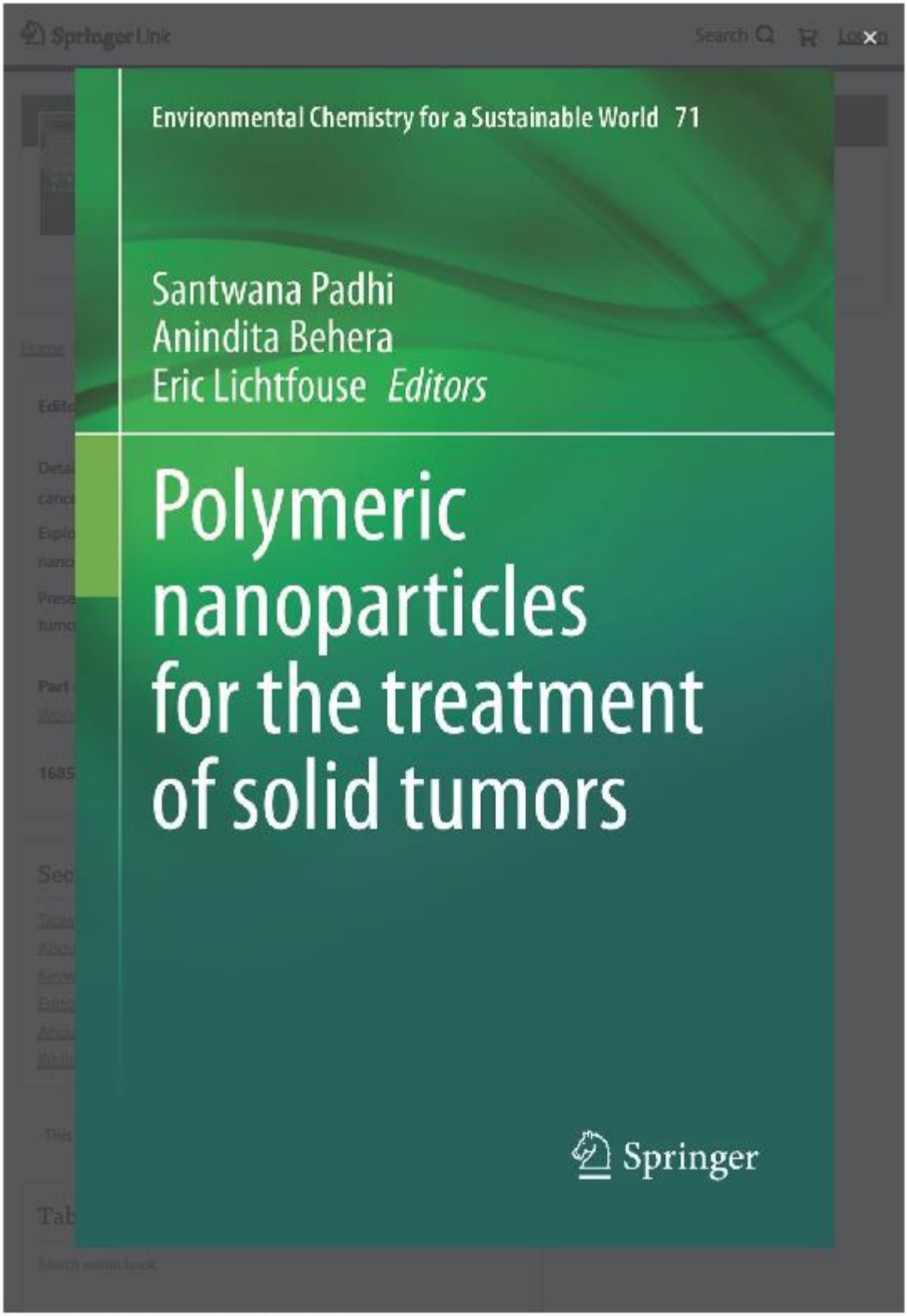
DETAILS OF BOOKS/CHAPTERS PUBLISHED

ACADEMIC YEAR 2021-22

Sr. No.	Name of the teacher	Title of the book/chapters published	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Mahesh P. More Prashant K Deshmukh	Passive and Active Targeting for Solid Tumors	Internatinal	2022	978-3-031-14848	Dr Rajendra Gode College of Pharmacy Malkapur	Springer Nature
2	Mahesh P. More, Prashant K. Deshmukh	Polymer-Based Nanoplatforms for Targeting Breast Cancer	Internatinal	2022	978-3-031-14847-7	Dr Rajendra Gode College of Pharmacy Malkapur	Springer Nature
3	Mahesh P. More, Prashant K Deshmukh	Polymeric Nanoplatforms for the Targeted Treatment of Prostate Cancer	Internatinal	2022	978-3-031-14847-7	Dr Rajendra Gode College of Pharmacy Malkapur	Springer Nature
4	Dr. Gautam D. Mehetre, R. R. Thenge, Amar Patel	Chapter-Nanocrystals in the drug delivery system,	Internatinal	2022	978-0-323-89839-3	Dr Rajendra Gode College of Pharmacy Malkapur	Elsevier

Dr. Rajendra Gode College of Pharmacy Malkapur

Principal,
Rajendra Gode College
Pharmacy, Malkapur
Dist. Buldana.



Chapter 14
Polymer-Based Nanoplatforms for Targeting Breast Cancer

Rahul Shankar Tade, Pravin Onkar Patil, Sopan Namdev Nangare, Ashwini Ghanshyam Patil, Mahesh Prabhakar More, Prashant Krishnarao Deshmukh, Zamir Gaffar Khan, Abhijeet Pandey, Sai Boddu, Dilip R. Patil, Srinivas Mutalik, Arun M. Patil, Sharad Wakode, and Sanjaykumar Baburao Bari

14.1 Introduction

Breast cancer remains the utmost feared disease among women with the highest mortality rate. It impacts about 2.1 million lives each year (DeSantis et al. 2019). Researchers speculate that soon breast cancer will be the major disease of concern in the health care system. Clinicians describe or classify by staging or grading systems. The systematic classification helps to find suitable or available treatment options along with the forecasting of treatment strategies (Harwansh and Deshmukh 2020; Tade and Patil 2020). The molecular as well as histological indications

R. S. Tade · P. O. Patil (✉) · S. N. Nangare · Z. G. Khan · S. B. Bari
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist- Dhule, Maharashtra, India

A. G. Patil · D. R. Patil · A. M. Patil
R. C. Patel Arts, Science and Commerce College, Shirpur, Maharashtra, India

M. P. More · P. K. Deshmuk
Dr. Rajendra Gode College of Pharmacy, Malkapur, Maharashtra, India

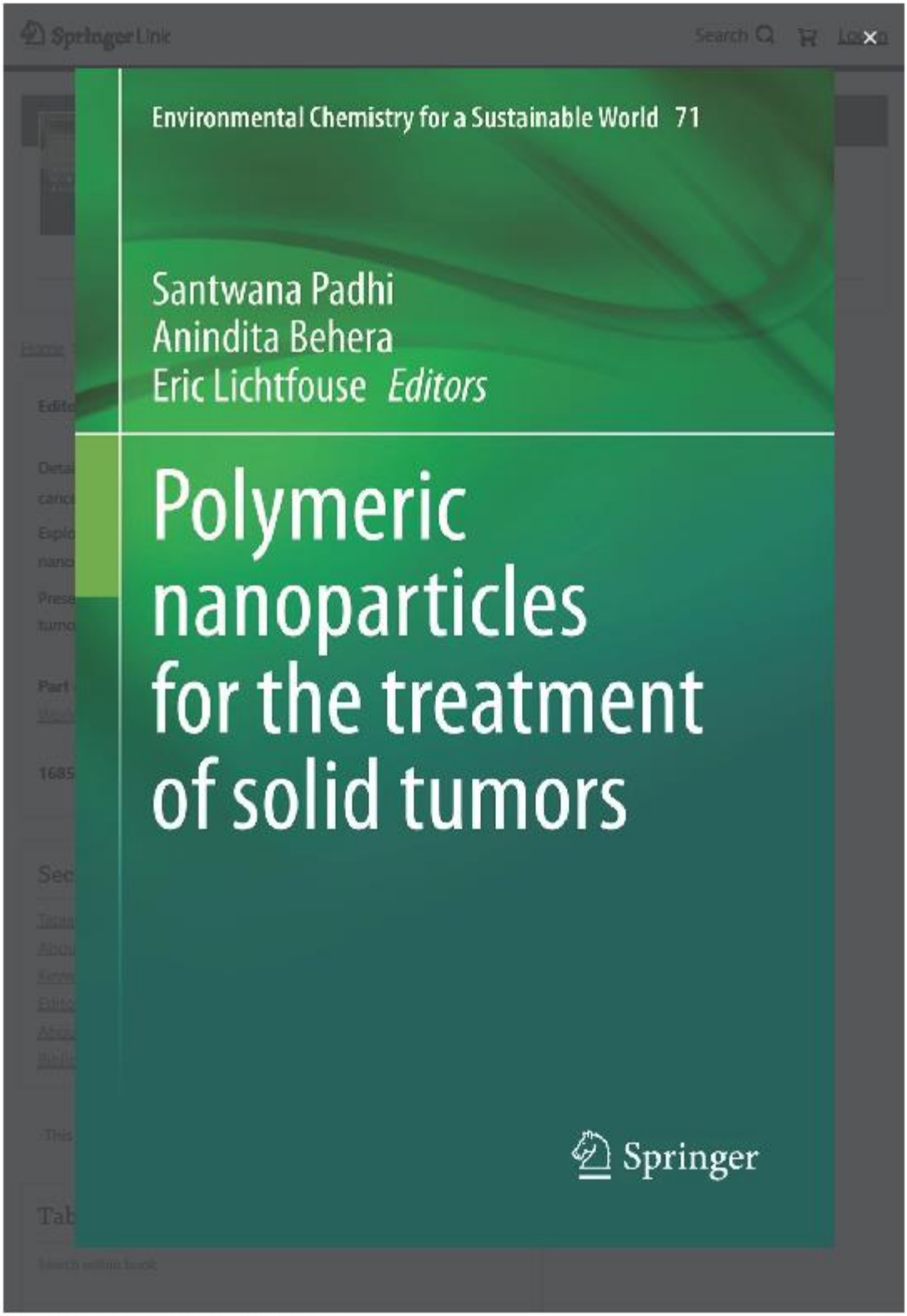
A. Pandey · S. Mutalik
Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Research, Manipal, Karnataka, India

S. Boddu
Department of Pharmaceutical Sciences, College of Pharmacy and Health Sciences, Ajman University, Ajman, UAE

Center of Medical and Bio-allied Health Sciences Research, Ajman University, Ajman, UAE

S. Wakode
Delhi Pharmaceutical Sciences & Research University, New Delhi, India

S. Patki et al. (eds.), *Polymeric nanoparticles for the treatment of solid tumors*, Environmental Chemistry for a Sustainable World 71,
https://doi.org/10.1007/978-3-031-14848-4_14



Chapter 5
Passive and Active Targeting for Solid Tumors

Mahesh P. More, Prashant K. Deshmukh, Pravin O. Patil, Sopan N. Nangare, Rahul S. Tade, Ashwini G. Patil, Abhijeet Pandey, Srinivas Mutalik, Prashant B. Patil, Zamir G. Khan, and Vivek B. Borse

5.1 Introduction

Cancer is a disease condition where abnormally mutated cells are divided in an uncontrolled way which leads to complex malignancy, if untreated (Padhi et al. 2015). The associated complexities potentially affect every organ of human body. Cancer is the most devastating disease as more than seven million deaths are reported each year. The conventional chemotherapeutic approaches are unable to provide a sufficient recovery rate due to inherent drawbacks. In addition to chemotherapy, solid tumors are also being treated using surgery or laser therapy, or a combination thereof (Thakar et al. 2021).

Conventional approaches have their own limitations in terms of side effects, dosing level, dosing interval, patient safety, etc. There is a constant need to develop an economical approach for the delivery of the drugs to the targeted sites. The current developments in nanotechnology supports better preclinical or laboratory results but did not reach to the clinical or commercial level. The nanotechnology based

M. P. More · P. K. Deshmukh (✉)
Dr. Rajendra Gode College of Pharmacy, Malkapur, Buldhana, Maharashtra, India

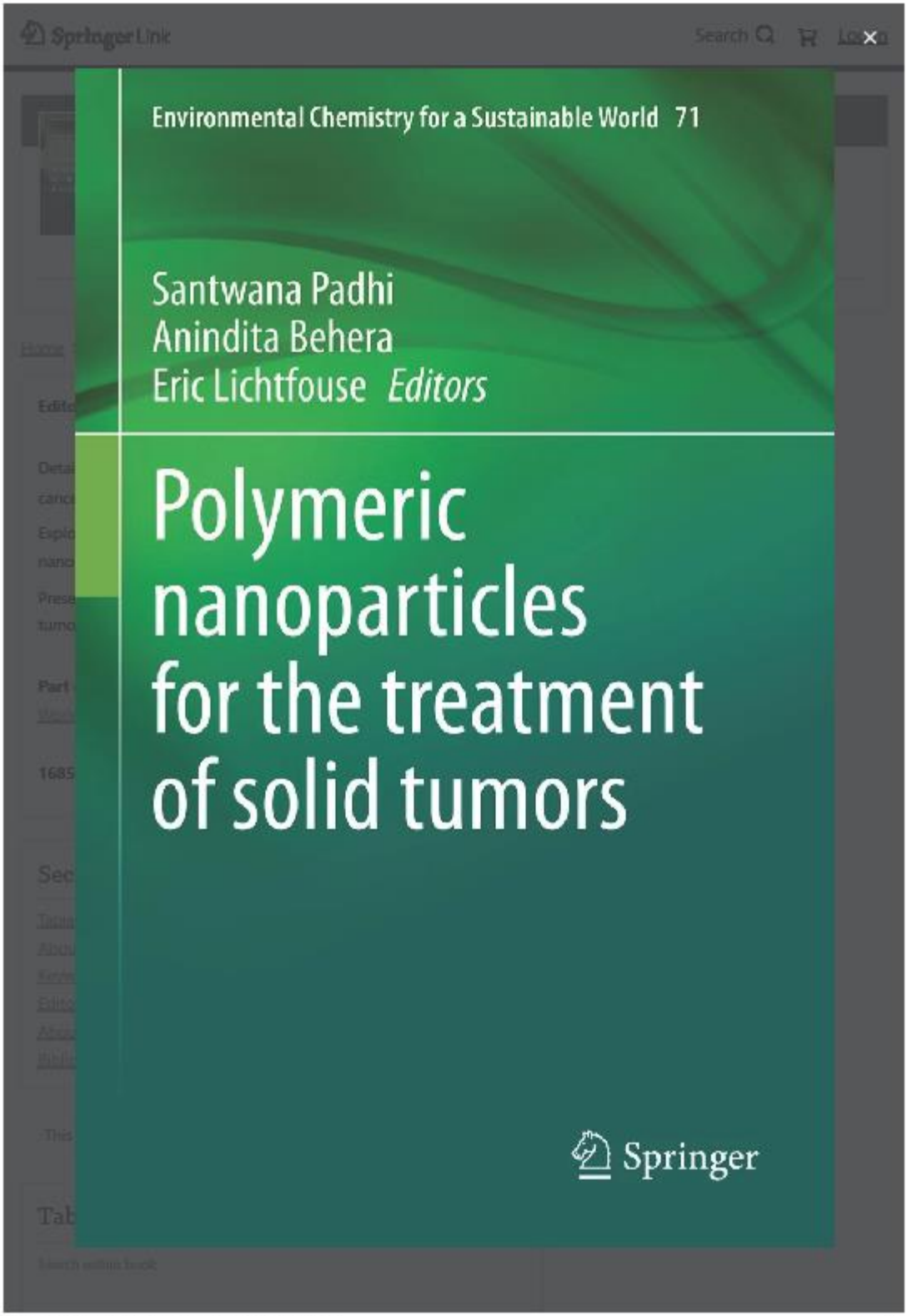
P. O. Patil · S. N. Nangare · R. S. Tade · P. B. Patil · Z. G. Khan
H. R. Patel Institute of Pharmaceutical Education and Research, Karvand Naka, Shirpur, Dhule, Maharashtra, India

A. G. Patil
R. C. Patel Arts, Science and Commerce College, Shirpur, Maharashtra, India

A. Pandey · S. Mutalik
Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Research, Manipal, Karnataka, India

V. B. Borse
Department of Medical Devices NIPER Hyderabad, Hyderabad, Telangana, India

S. Padhi et al. (eds.), *Polymeric nanoparticles for the treatment of solid tumors*, Environmental Chemistry for a Sustainable World 71,
https://doi.org/10.1007/978-3-031-14848-4_5



Chapter 16
Polymeric Nanoplatforms for the Targeted Treatment of Prostate Cancer

Sopan Namdev Nangare, Pravin Onkar Patil, Rahul Shankar Tade, Ashwini Ghanashyam Patil, Prashant Krishnarao Deshmukh, Abhijeet Pandey, Zamir Gaffar Khan, Srinivas Mutalik, Namdeo Ramhari Jadhav, Jayvadan Kantilal Patel, Mahesh Prabhakar More, and Sanjaykumar Baburao Bari

16.1 Introduction

Cancer is one of the world's principal public health problems (Fitzmaurice et al. 2015; Padhi and Behera 2020). It is the second-largest consequence of patient deaths and is accountable for seven million deaths annually (12.5% worldwide) (Crive et al. 2005; Siegs et al. 2014). Followed by cardiovascular disease, cancer in the United States is the second most frequent cause of death with a total of 1,665,540 new cancer cases and 585,720 deaths in 2014 (Siegs et al. 2014). More particularly, as per american cancer statistics evidence (2014), prostate cancer (233,000), female breast cancer (235,030), lungs/bronchus cancer (224,210), colon/rectum cancer (136,830) seems to be the most common forms of cancer (Salaam et al. 2018; Siegs

S. N. Nangare · P. O. Patil (✉) · R. S. Tade · Z. G. Khan · S. B. Bari
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Maharashtra, India

A. G. Patil
R. C. Patel Arts, Science and Commerce College, Shirpur, Maharashtra, India

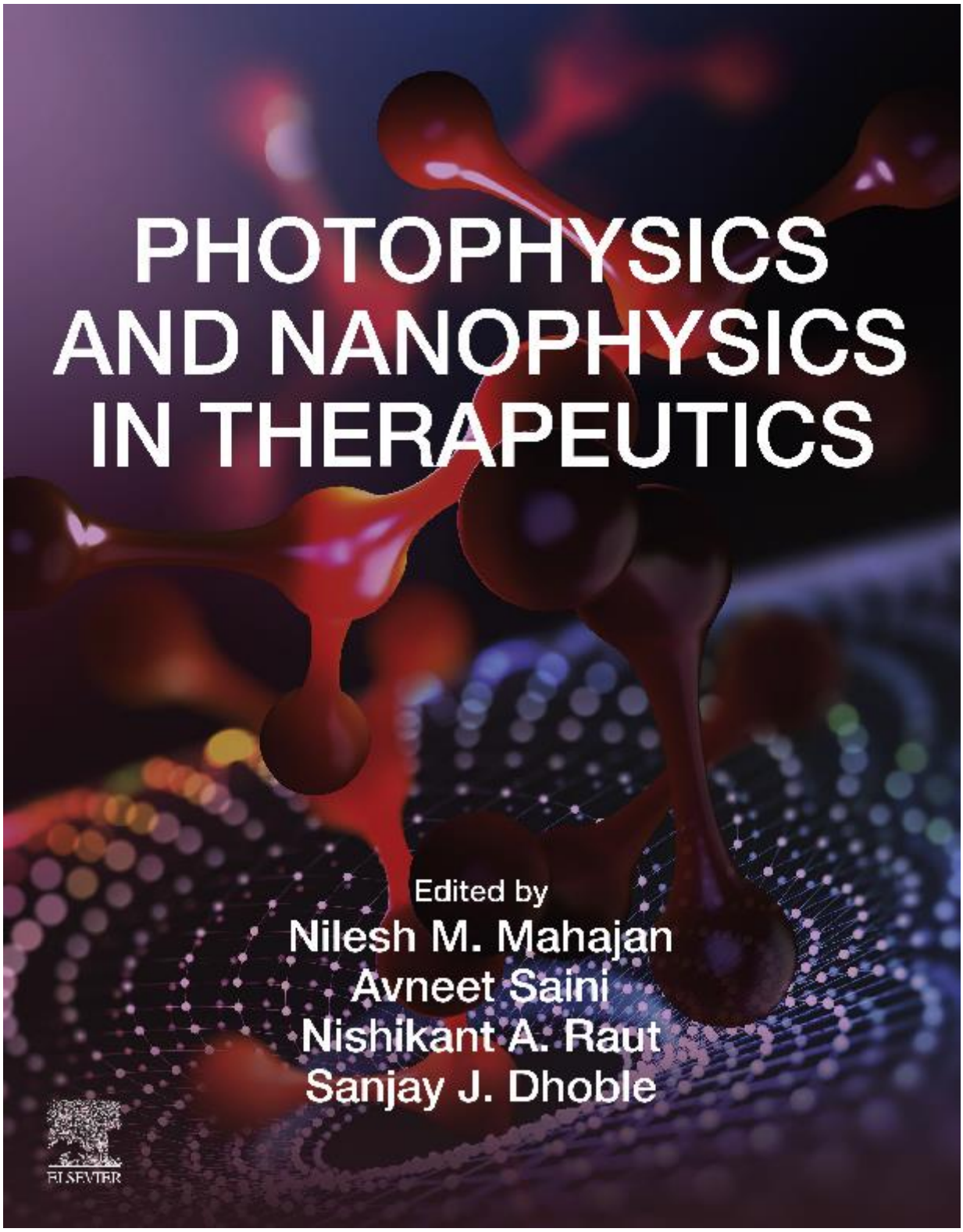
P. K. Deshmukh · M. P. More
Dr. Rajendra Gode College of Pharmacy, Malkapur, Maharashtra, India

A. Pandey · S. Mutalik
Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Research, Manipal, Karnataka, India

N. R. Jadhav
Bharati Vidyapeeth College of Pharmacy, Kolhapur, Maharashtra, India

J. K. Patel
Nootan Pharmacy College, Dean, Sankalchand Patel University, Visnagar, Gujarat, India

S. Padhi et al. (eds.), *Polymeric nanoparticles for the treatment of solid tumors*, Environmental Chemistry for a Sustainable World 71,
https://doi.org/10.1007/978-3-031-14848-4_16



ScienceDirect

Photophysics and Nanophysics in Therapeutics
2022, Pages 443-454

Chapter 22 - Nanocrystals in the drug delivery system

Raju Ramesh Thenge [a], Amar Patel [b], Gautam Mehetre [a]

[a] Dr. Rajendra Gode College of Pharmacy, Malkapur, Buldana, MS, India
[b] Bristol Myers Squibb, New Jersey, USA

Available online 6 May 2022, Version of Record 6 May 2022.

Abstract

Drug nanocrystals are a versatile option for drug delivery purposes. They have mostly been utilized for improving poor solubility properties of drugs, but there are also controlled release applications. Nanosuspensions are colloidal dispersions of nanosized drug particles stabilized by surfactants. They can also be defined as a biphasic system consisting of pure drug particles dispersed in an aqueous vehicle in which the diameter of the suspended particle is less than 1 1 μm in size. The nanosuspensions can also be lyophilized or spray dried and the nanoparticles of nanosuspension can also be incorporated in a solid matrix. The nanocrystals were prepared using various methods such as top down and bottom up technology. The nanocrystals are evaluated for various characteristics by analytical methods such as Sem, TEM, XRPD, DSC, FT-IR, Zeta potential, and dissolution testing. The nanocrystals of drugs are being used as drug delivery system viz. oral delivery system, parenteral delivery, pulmonary drug delivery, ophthalmic drug delivery, dermal drug delivery, and targeted drug delivery. Thus nanocrystals are being used as drug delivery system.

Previous Next

Keywords

Bottom up technology; Drug delivery system; Homogenization; Nanocrystals; Nanosuspension

ACADEMIC YEAR 2020-21

Sr. No.	Name of the teacher	Title of the book/chapters published	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Gautam D. Mehetre	Concise Course in Cosmetic Science,	National	2021	978-1543344714	Dr Rajendra Gode College of Pharmacy Malkapur	PeeVee Publication
2	Prashant K Deshmukh	Vesicular Carriers for Direct Nose to Brain drug delivery	International	2021	978-0-12-822522-6	Dr Rajendra Gode College of Pharmacy Malkapur	Elsevier
3	Prashant K. Deshmukh	Pharmacokinetics of Drug-in-Polymer Matrix-Based Nanoparticulate Drug Delivery System	International	2021	978-3-030-833947	Dr Rajendra Gode College of Pharmacy Malkapur	Elsevier
4	Mukesh W. Babhulkar	Chapter: Dos and Donts in Group Discussion "SOF-10" e-book on Soft Skill Development an Official Publication of SGBAU, Amravati	National	2021	E-Book	Dr Rajendra Gode College of Pharmacy Malkapur	SGBAU Amravati
5	Vaibhav Adhao	Chapter: First Impression in "SOF-10" e-book on Soft Skill Development an Official Publication of SGBAU, Amravati	National	2021	E-Book	Dr Rajendra Gode College of Pharmacy Malkapur	SGBAU Amravati

6	Raju Thenge	Chapter: Structure of Interview in "SOF-10" e-book on Soft Skill Development an Official Publication of SGBAU, Amravati	National	2021	E-Book	Dr Rajendra Gode College of Pharmacy Malkapur	SGBAU Amravati
7	Pramod Burkale, Suresh Sudke, Manish bhise, Vishal patond	Concise Course in Pharmacovigilance	National	2021	97815-43344-39-4	Dr Rajendra Gode College of Pharmacy Malkapur	Everest Publishing House
8	Vishal Patond, Pramod Burkale, Manish bhise, Suresh Sudke	Hospital and Clinical Pharmacy	National	2022	978-9-394-68318-1	Dr Rajendra Gode College of Pharmacy Malkapur	Everest Publishing House

Concise Course in

COSMETIC SCIENCE

Strictly As Per Syllabus Prescribed For B. Pharmacy, Semester-VIII
By
Pharmacy Council of India, New Delhi

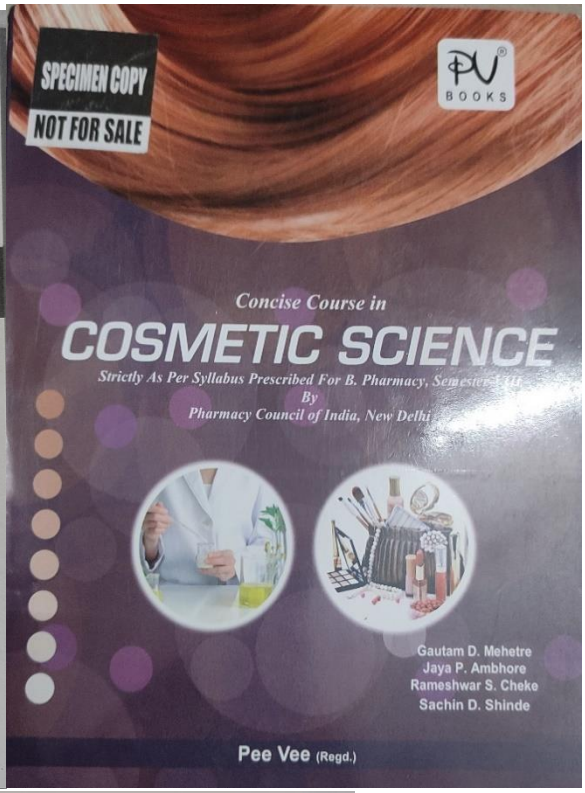
Gautam D. Mehetre
M.Pharm, (PhD)
Assistant Professor
Dr. Rajendra Gode College of Pharmacy, Malkapur
Dist Buldhana, Maharashtra, India

Jaya P. Ambhore
M.Pharm
Assistant professor
Dr. Rajendra Gode College of Pharmacy, Malkapur
Dist Buldhana, Maharashtra, India

Rameshwar S. Cheke
M.Pharm
Assistant Professor
Dr. Rajendra Gode College of Pharmacy, Malkapur
Dist Buldhana, Maharashtra, India

Sachin D. Shinde
M.Pharm
Assistant professor
Shri. R. D. Bhakt College of Pharmacy
Jalna, Maharashtra, India

S.VIKAS AND COMPANY (MEDICAL PUBLISHERS)



An Imprint of

S.VIKAS AND COMPANY (MEDICAL PUBLISHERS)

ADMIN : ND-106, BIKRAMPURA, JALANDHAR CITY-144 008 (PUNJAB), INDIA
SALES : ND-227, TANDA ROAD, JALANDHAR CITY-144 008 (PUNJAB), INDIA
PRODUCTION : ND-226, TANDA ROAD, JALANDHAR CITY-144 008 (PUNJAB), INDIA
PHONES : 094786-64645, 0181-5014275, 0181-3811125
CUSTOMER CARE : For any queries, please contact - 094786-14148
EMAIL : pv_books@yahoo.com
Online Shop : www.pvbooks.in
Also Buy at www.amazon.in

ISBN 97815-43344-71-4

TradeMark No. 1350444

Edition 2021

PRICE ₹ **499/-**

Illustrators : **Aakriti Jain**
Printed and bound in India
By Rahul Art and Press

Exclusively marketed and distributed by **PV books**
For sale only in India, Nepal, Bangladesh, Sri Lanka and U.A.E.

Principal,
Dr.Rajendra Gode College
of Pharmacy,Malkapur.
Dist.Buldana.

DIRECT NOSE-TO-BRAIN DRUG DELIVERY

Mechanism, Technological Advances, Applications, and Regulatory Updates

Edited by
CHANDRAKANTSING V. PARDESHI
ELIANA B. SOUTO

Chapter 11

Vesicular carriers for direct nose-to-brain drug delivery

Prashant K. Deshmukh[a], Swapnil N. Jain[b], Pravin O. Patil[c], and Chandrakantsing V. Pardeshi[d]

[a]Department of Pharmaceutics, Dr. Rajendra Gode College of Pharmacy, Malkapur, Maharashtra, India, [b]Department of Pharmaceutics, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Maharashtra, India, [c]Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Maharashtra, India, [d]Department of Pharmaceutics and Pharmaceutical Technology, R. C. Patel Institute of Pharmaceutical Education and Research, Shirpur, Maharashtra, India

Abbreviations

AD	Alzheimer's disease
AFM	atomic force microscopy
aMCI	amnestic mild cognitive impairment
BBB	blood-brain barrier
bFGF	basic fibroblast growth factor
CNS	central nervous system
CSF	cerebrospinal fluid
CTL	cytotoxic T lymphocytes
DCP	dicetyl phosphate
DLS	dynamic light scattering
DSPC	1,2-distearyl-sn-glycero-3-phosphocholine
FFF	field-flow fractionation
GI	gastrointestinal
HLB	hydrophilic-lipophilic balance
OL	odorranalectin
PC	phosphatidylcholine
SDS	sodium deoxycholate
TEM	transmission electron microscope
TP	tripalmitin
TS	tristearin
WHO	World Health Organization

11.1 Introduction

The nasal route of delivering the drug has significant historical background for achieving local effects. It was the time of early 1980s, which witnessed the emergence of nasal route as an important systemic delivery system and alternative to the conventional drug delivery routes available at that time. The oral route is one of the most promising and suited routes of administration for many drugs. But, there are some consequences like reduced bioavailability, first-pass effect, and gastric irritation, which forced the researchers to hunt for the alternative routes [1, 2].

The central nervous system (CNS) is one of the most complex systems of human body that assures the normal functioning of the human body such as of breathing, walking, talking, and thinking [3]. Nose-to-brain delivery route improves the specific targeting of drugs and dilutes the systemic side effects. The important feature of nose-to-brain delivery is that it bypasses the blood-brain barrier (BBB) and targets the drug to the brain via olfactory and trigeminal neural pathways [4, 5]. BBB is the dense network of blood vessels with tightly packed endothelial cells. BBB distinguishes the brain from circulatory system. It shields the brain from harmful substances viz. bacteria and toxins [6].

Nasal Nose-to-Brain Drug Delivery. https://doi.org/10.1016/B978-0-12-822522-1.00010-2

Jayvadan K. Patel
Yashwant V. Pathak *Editors*

Pharmacokinetics and Pharmacodynamics of Nanoparticulate Drug Delivery Systems

Springer

Pharmacokinetics of Drug-in-Polymer Matrix-Based Nanoparticulate Drug Delivery System

9

Sopan Nangare, Prashant Patil, Ashwini Patil, Prashant Deshmukh, Trupti Powar, Jidnyasa Pantwalawalkar, Zamir Khan, Rahul Tade, Jayvadan K. Patel, and Pravin Patil

Contents

Abstract

The application of nanotechnology in drug delivery is gaining much attention from researchers due to their plethora of benefits especially in the improvement of pharmacokinetics as compared to conventionally available dosage forms. In this line, numerous advanced approaches have been adopted that demonstrated excellent applicability in the drug delivery systems. Despite this, they are lacking the foremost limitations related to absorption, distribution, metabolism, and excretion of the drug that affect the therapeutics of the active. Noteworthily, polymeric materials

Prashant Patil contributed equally with all other contributors.

S. Nangare · P. Patil · Z. Khan · R. Tade · P. Patil (✉)
Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Karvand Naka, Shirpur, Maharashtra, India

A. Patil
Department of Microbiology, R. C. Patel Arts, Science, and Commerce College, Karvand Naka, Shirpur, Maharashtra, India

P. Deshmukh
Department of Pharmaceutics, Dr. Rajendra Gode College of Pharmacy, Malkapur, Maharashtra, India

T. Powar
Department of Pharmaceutics, Smt. Kashibai Navale College of Pharmacy, Kondhwa, Maharashtra, India

J. Pantwalawalkar
Department of Pharmaceutics, Bharati Vidyapeeth College of Pharmacy, Kolhapur, Maharashtra, India

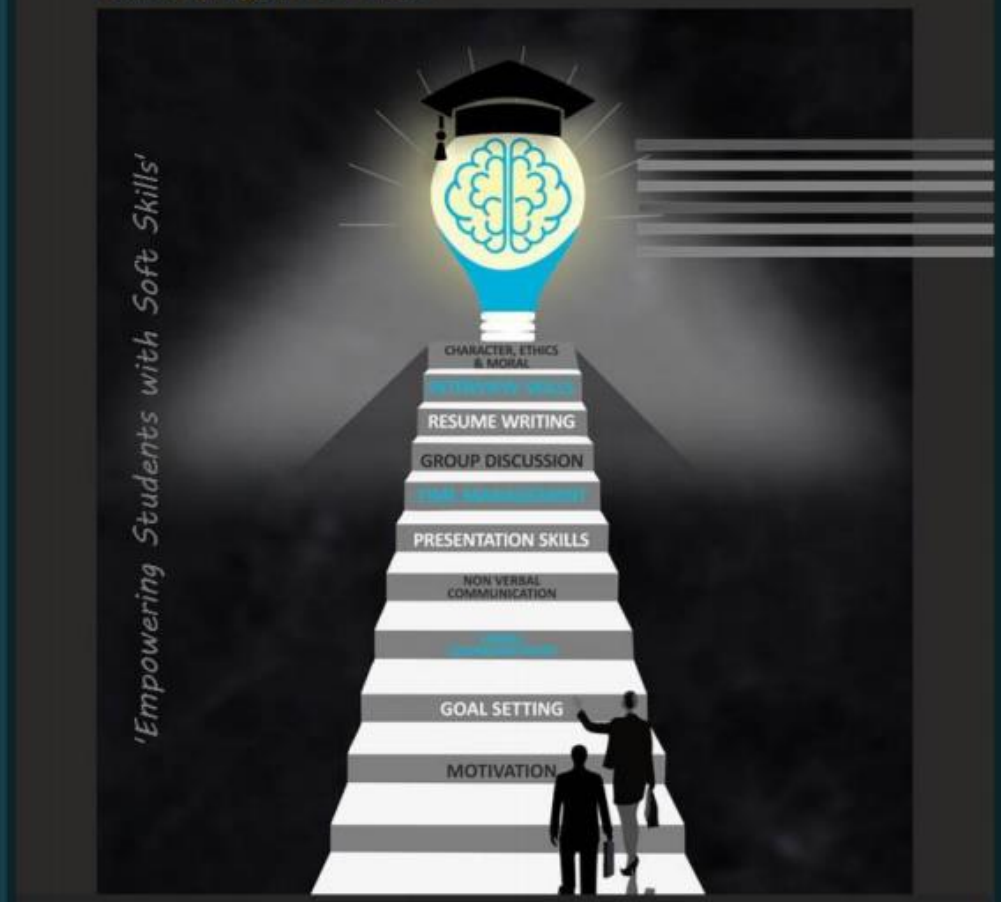
J. K. Patel
Nootan Pharmacy College, Faculty of Pharmacy, Sankalchand Patel University, Visnagar, Gujarat, India

J. K. Patel, Y. V. Pathak (eds.), *Pharmacokinetics and Pharmacodynamics of Nanoparticulate Drug Delivery Systems*, https://doi.org/10.1007/978-3-030-83395-4_9

SOF 10

E-BOOK

Stand on your own feet…



SANT GADGE BABA AMRAVATI UNIVERSITY
AMRAVATI (MS)

Certified Trainer

Prof. Mukesh W. Babhulkar
B. Pharm., M. Pharm.,
Assistant Professor,
Dr. Rajendra Gode College of Pharmacy, Malkapur (MS)
E-mail:- mukeshbabhulkar@gmail.com

ABOUT AUTHOR

Author has 13 years of teaching experience in professional field of Pharmacy. He has published many research papers in reputed journals in Pharmaceutical sciences. He is life member of Association of Pharmaceutical Teachers of India. He is working on various capacities at institute level to serve quality education through the technical and soft skill enhancement. He is coordinating various events and activities for the welfare of students. He always keen to focus on quality pharmacy education to be there for every student.

Chapter 31

DOS & DON'TS IN GROUP DISCUSSION

Introduction:

Group discussion is one of important steps in selection process either for job or in admission for higher education, So aspirant must aware about what to do and what not at time of group discussion, That's why we are going to discuss about Dos and Don'ts in GD.

The following common rules regarding dos in group discussion are most important to success in Group Discussion.

- You must take care as you enter in group discussion because first impression is last impression so make sure your first entry is well planned with certain approach.
- If you are well aware with subject then initiate the discussion and give the direction to the discussion.
- You must be appropriate to the issue that means discussion must revolve around the subject.
- During group discussion make original points and support them with significant proof such as with reference to news paper or data by various agencies.
- Do listen to others participants very carefully and actively by nodding or simple smile.
- While making your point you must speak with a logical flow with few examples which support your point.

Certified Trainer

Dr. Vaibhav S. Adhao
B.Pharm, M.Pharm, Ph.D.,
Associate Professor
Dr. Rajendra Gode College of Pharmacy, Malkapur (MS)
E-mail:- adhao.vaibhav@gmail.com

ABOUT AUTHOR

Author has 12 Years of experience in pharmacy stream and he is presently working as Associate Professor. He is the Life Member of Association of Pharmaceutical Teachers of India (APTI). He has guided about 15 PG students' projects. He has more than 30 papers in reputed peer reviewed national and international journals. He is author of 02 books in Pharmacy discipline. He has also guided more than 30 students of B.Pharm and currently involved in research on Co-crystal engineering, Molecularly Imprinted Polymer and Analytical Method Development.

Chapter 16

FIRST IMPRESSION

First impressions matter – a lot! It's time to change the well known proverb "First Impression is Last Impression" to new "First Impression is Best Impression". First impressions are all initial judgments supported by nonverbal communication signals. First impression is that event when one person first encounters another person and forms a picture of that person. Impression accuracy varies counting on the observer and therefore the target (person, object, scene, etc.) being observed. First impression are supported an honest range of characteristics like- age, race, culture, language, gender, physical appearance, accent, posture, voice, number of people present, economic status, and time allowed to process. The first impressions that individuals give to others could greatly influence how they're treated and viewed in many contexts of lifestyle.

Making an excellent first impression is imperative to become an influential leader. You only get round to form a primary impression. While the studies don't agree on one specific number – they all agree that you have less than 30 seconds to impress someone. Some studies even state that you have only seven seconds before someone makes a judgement. You have got a lot to pack into those seven seconds to make your impression a positive one. A person must prove they are an honest, genuine, trustworthy person with nonverbal communication in one tenth of a second or interaction won't continue. One example of the

Dr. Rajendra Gode College of Pharmacy Malkapur

Principal,
Dr.Rajendra Gode College
of Pharmacy,Malkapur.
Dist.Buldana.

Certified Trainer

Dr. Raju R. Thenge
B. Pharm., M. Pharm., Ph.D.
Assistant Professor
Dr. Rajendra Gode College of Pharmacy, Malkapur (MS)
E-mail:- rajuthenge11@gmail.com

ABOUT AUTHOR

Author has 12 years of experience in diversifies field of Pharmacy. He is member of various organizations such as Controlled Release Society Indian Chapter, Association of Pharmaceutical Teachers in India. He has guided more than 15 post graduate students of Pharmacy. He has more than 40 research articles in reputed National and International journals to his credit. He has presented several papers in National and International conferences.

Chapter 39

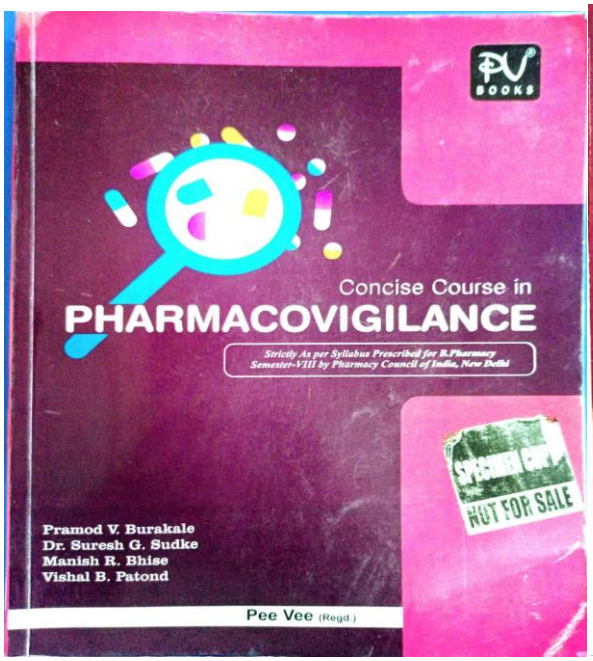
STRUCTURE OF INTERVIEW

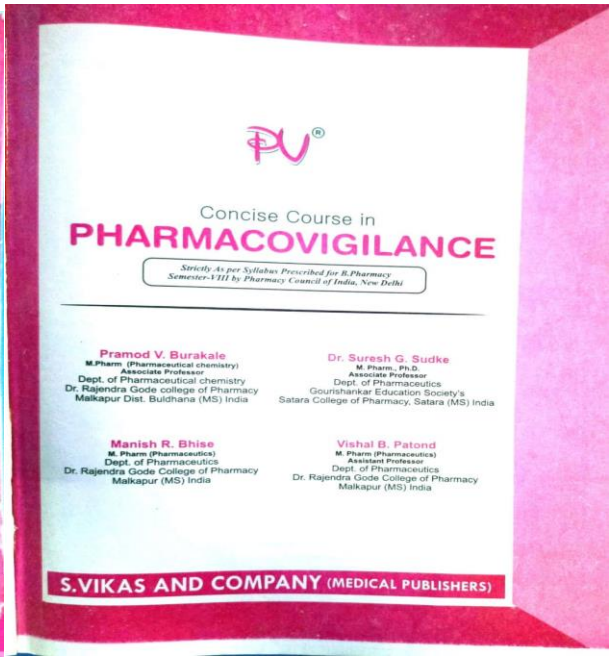
Structured Interviews

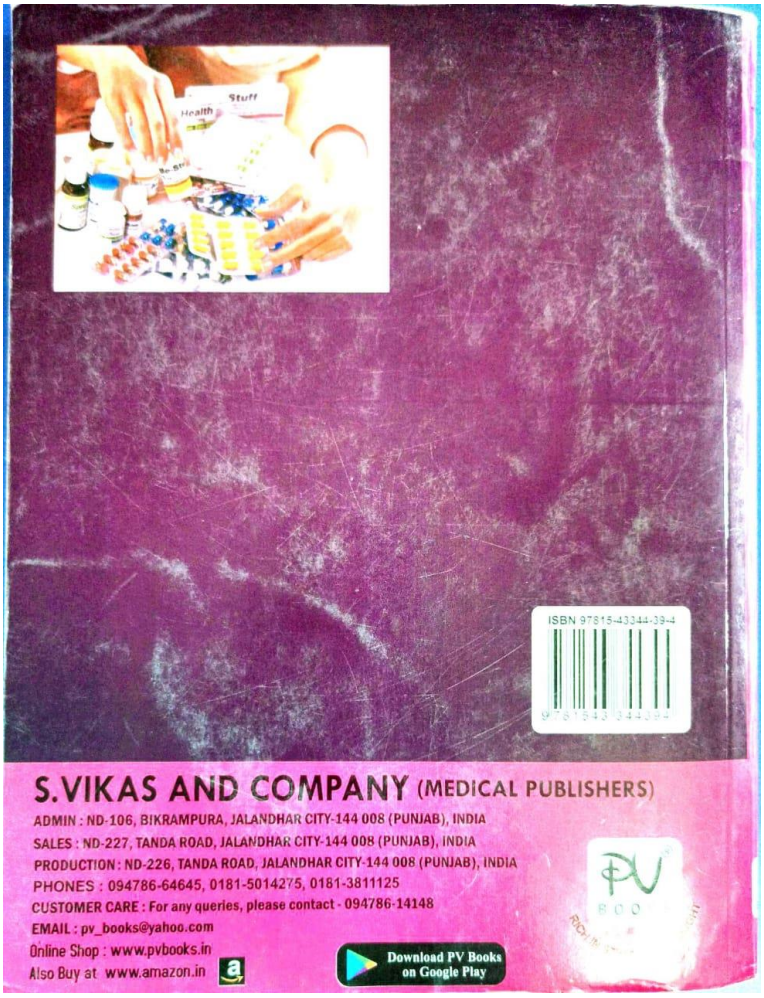
What is a structured interview? In structured interviews, questions are planned and created beforehand. All candidates are asked equivalent questions within the same order. Since in structured interviews all the candidates are asked equivalent questions, it's easy to match their answers and hire the proper applicant. Candidates will be evaluated in an objective and fair way, which also makes structured interviews more legally defensible. On the opposite hand, structured interviews are harder and more complicated to develop. You've got to check them and confirm interviewers follow them precisely. You furthermore may risk your interview questions leaking out, which suggests future candidates can come prepared. Moreover, a one-size-fits-all interview can seem a touch cold and impersonalised, making it harder to actually get to understand the candidate.

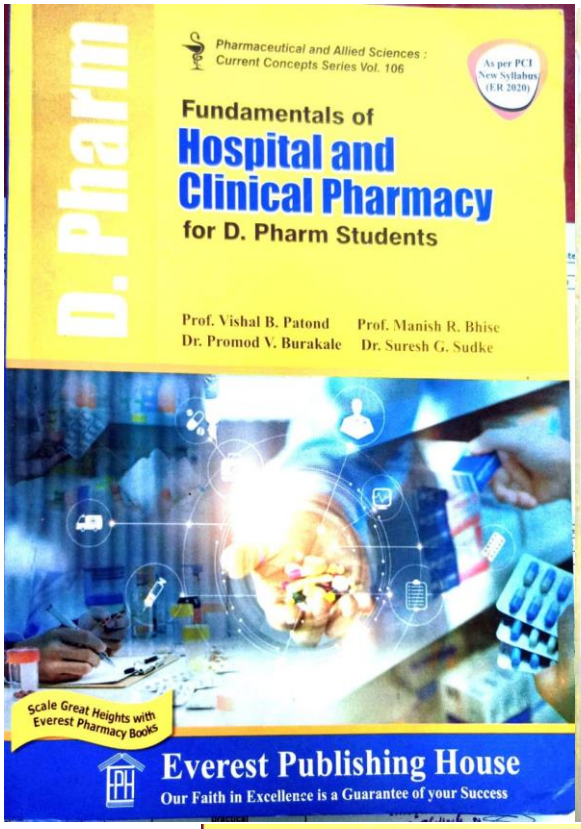
Unstructured Interviews

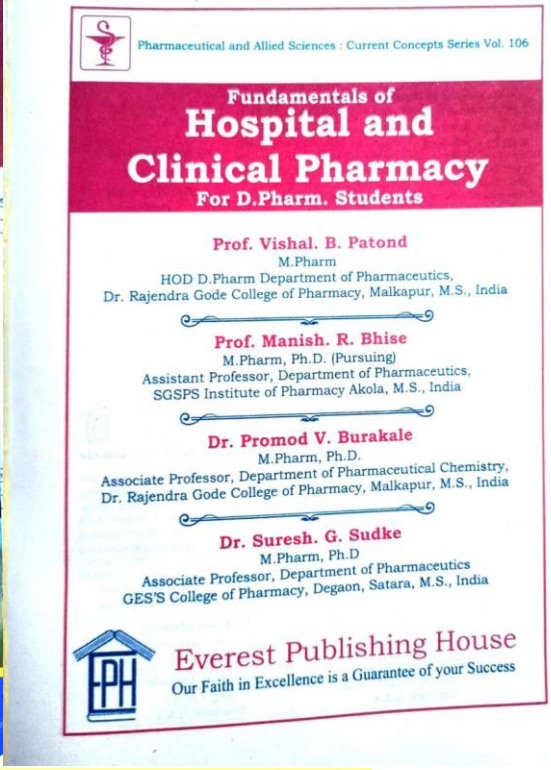
An unstructured interview may be a sort of interview during which the interviewer asks questions which aren't prepared beforehand. Instead, questions arise spontaneously during a free-flowing conversation, which suggests that different candidates are asked different questions. The main advantage of an unstructured interview is its personalized approach. This is often especially useful for technology roles where the experience of candidates can vary dramatically. Additionally, since unstructured interviews leave a free-flowing conversation, they feel more casual, which puts the candidates comfortable, leading to a more natural and honest







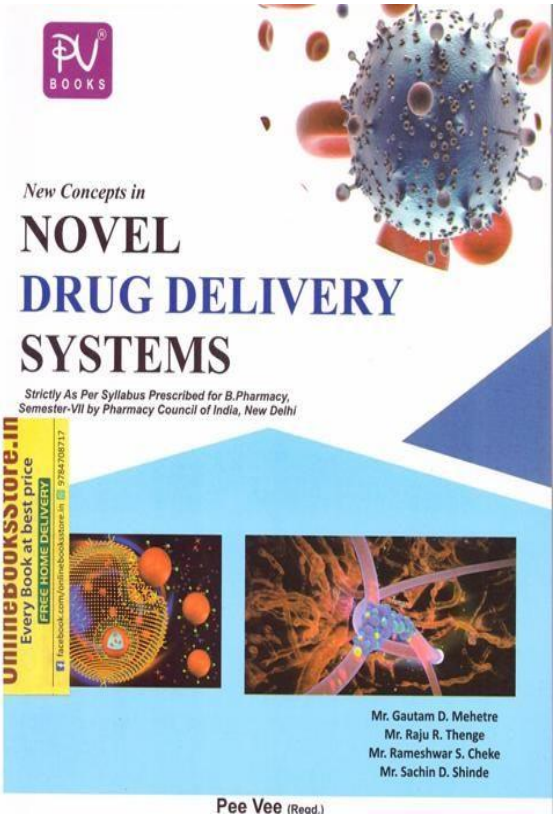




ACADEMIC YEAR 2019-20

Sr. No.	Name of the teacher	Title of the book/chapters published	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Gautam D. Mehetre, Raju R. Thenge, Rameshwar S. Cheke, Sachin D. Shinde	Novel drug delivery system	National	2020	ISBN- 97815-43344-08-0	Dr. Rajendra Gode College of Pharmacy, Malkapur	PeeVee Publication
2	Vishal Patond, Raju Thenge, Mahesh Narkhede	Preparation and Characterization of Cocrystals of Diacerin	International	2020	ISBN-10: 9783330650824 ISBN-13: 978-3330650824	Dr. Rajendra Gode College of Pharmacy, Malkapur	Scholars Press Publication
3	Dr. Vaibhav Adhao, R.S. Cheke, S.D. Shinde, R.R. Narkhede	Instrumental Methods of Analysis	National	2020	97815-43344-13-4	Dr. Rajendra Gode College of Pharmacy, Malkapur	PeeVee Publication
4	Manish Bhise, Pramod Burkale, Vishal Patond	Mosquito repellent Emulgel using Polyherbs	International	2020	978-620-2-67023-4	Dr. Rajendra Gode College of Pharmacy, Malkapur	Lambert Publication
5	Sachin D. Shinde, Dr. Pankaj M. Chaudhari, Rameshwar S. Cheke And Pradip S. Shingane	Practical Book of Pharmacology-III	National	2020	978-1543343656	Dr. Rajendra Gode College of Pharmacy, Malkapur	PeeVee Publication

6	Sachin D. Shinde, Rameshwar S Cheke And Dr. Vittal Gajanan Kuchake	New Concept in Pharmacology III	National	2020	978-1543343755	Dr. Rajendra Gode College of Pharmacy, Malkapur	PeeVee Publication
7	Sachin D. Shinde, Umesh D. Laddha, Rameshwar S Cheke Praful Tathe	Quality Control and Standardization of Hebals	National	2020	9781-543344417	Dr. Rajendra Gode College of Pharmacy, Malkapur	PeeVee Publication



Contents

About the Authors

Mr. Gautam D. Mehetre

Mr. Gautam D. Mehetre completed his graduation from Anuradha College of Pharmacy, Chikhali (SGBAU, Amravati) in 2006 and Post Graduation in Pharmaceutics from K.M. College of Pharmacy, Madurai (The Tamil Nadu Dr.M.G.R. Medical University, Chennai) in 2009. Presently, he is working as Assistant Professor in Dr. Rajendra Gode College of Pharmacy, Malkapur, Dist. Buldana. He has 11 years of teaching experience. He has taught Biopharmaceutics and Pharmacokinetics, Biotechnology and Bioinformatics, Pharmaceutical Microbiology and Biotechnology at Post Graduate as well as at Under Graduate level. He has published 15 research articles in international and national level journals.

Mr. Raju R. Thenge

Mr. Raju R Thenge had completed his B. Pharm from Shree Gurudatta Shikshan Prasarak Sansthas, Institute of Pharmacy, Akola and M. Pharm from Sankarlingam Bhuvneswari College of Pharmacy Sivakasi affiliated to The Tamilnadu Dr. M. G. R Medical University, Chennai, Tamilnadu. He is presently working as Assistant Professor at Dr. Rajendra Gode College of Pharmacy, Malkapur. He is member of various organizations such as Controlled Release Society Indian Chapter, Association of Pharmaceutical Teachers in India. He has guided more than 15 post graduate students of Pharmacy. He has more than 40 research articles in repute National and International journals to his credit. He has presented several papers in National and International conferences.

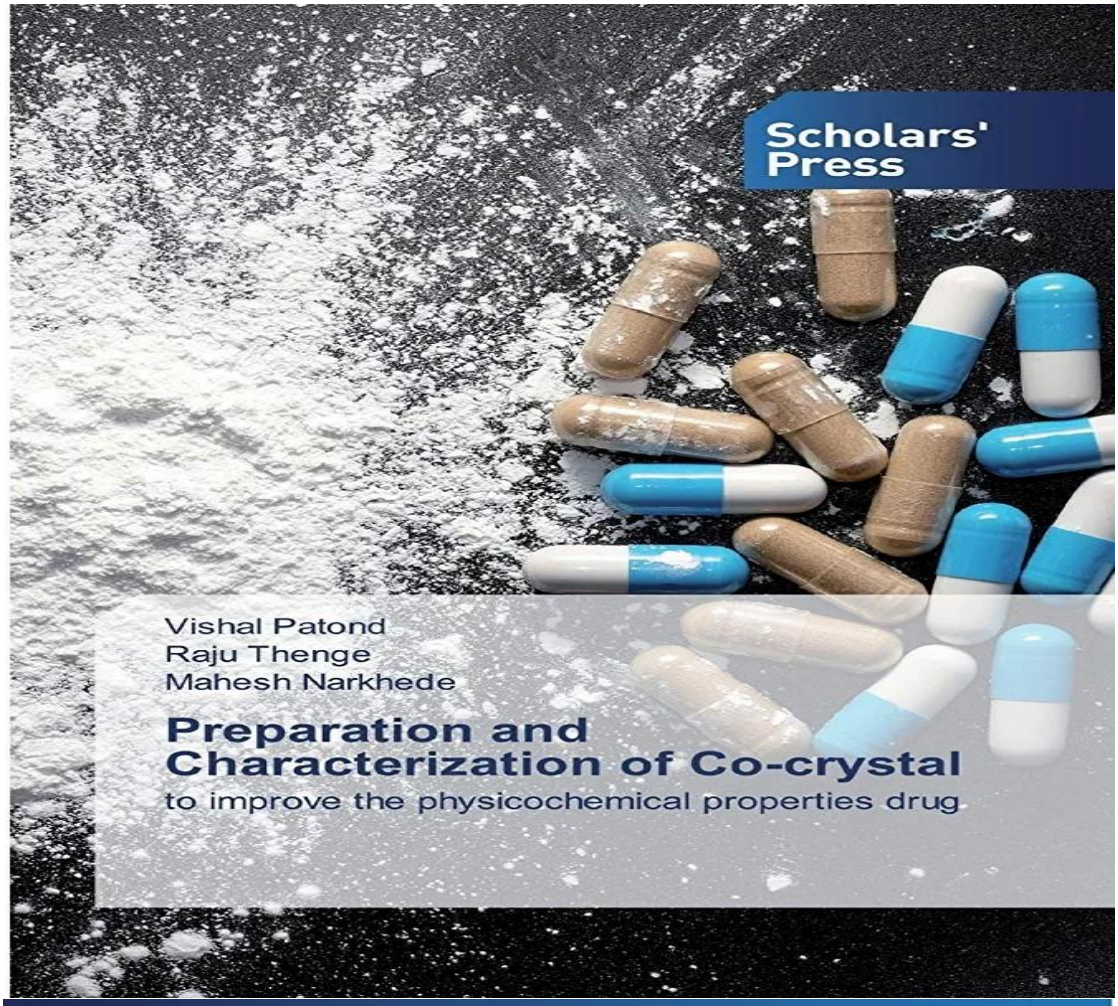
Mr. Rameshwar S. Cheke

Mr. Rameshwar S. Cheke is currently working as assistant professor (Pharmaceutical Chemistry) at Dr. RGCOP Malkapur. He has done his graduation from Anuradha college of Pharmacy, Chikhli and Post Graduation from R C Patel Institute of Pharmaceutical Education and Research, Shirpur, in KBCNMU, Jalgaon Maharashtra. He has 3 year experience in Academics. He has published 8 research papers in different national and international peer review journals with 5 books. He currently involved in research on various heterocycles as anticonvulsants and antitubercular.

Mr. Sachin D. Shinde

Mr. Sachin D. Shinde is currently working as Assistant professor in Pharmacology Department at Shri. R. D. Bhakt College of Pharmacy, Jalna. Qualified two times GPAT exam. He has completed his graduation from Anuradha College of Pharmacy, Chikhali and Post Graduation from R C Patel Institute of Pharmaceutical Education and Research, Shirpur. He has 3 year experience in academics. He has delivered many lectures on GPAT. He has published 14 research papers in different national and international journals and 5 Books.

ISBN 97815-43344-08-0

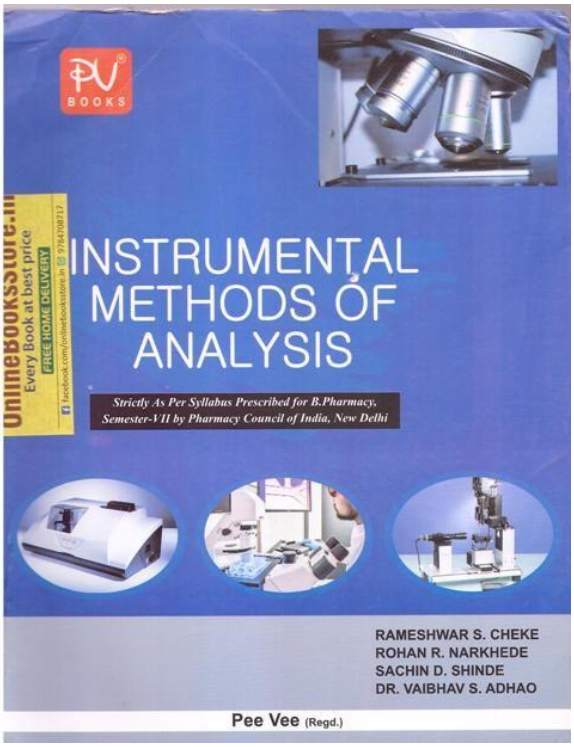


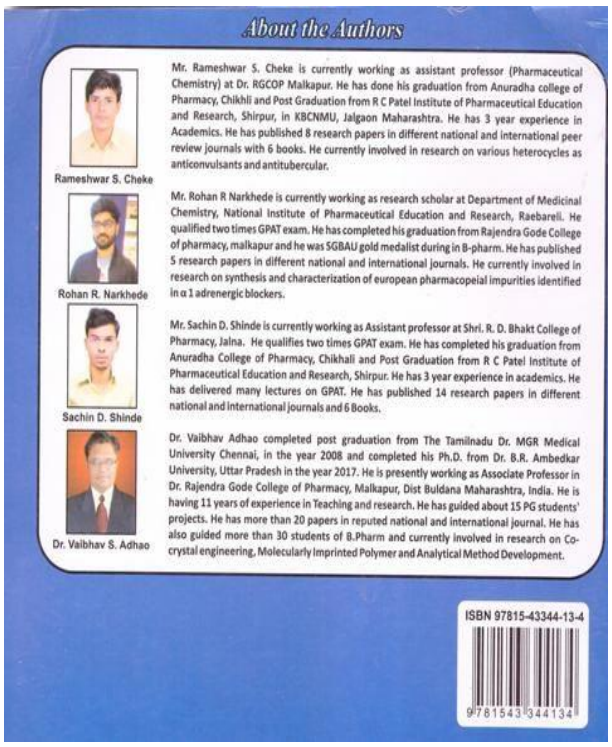
Preparation and Characterization of Co-crystal

A co-crystal might be the expected outcome of a co crystallization experiment in which the final crystal contains at least two distinct species connected by intermolecular forces.
Pharmaceutical co-crystals draw closer the fields of crystal engineering and pharmaceutical sciences. A pharmaceutical co-crystal is a single crystalline solid that incorporates two neutral molecules, one being an API and other a co-crystal former
The basic physiochemical properties of co-crystal can usually be characterized by :
A. Fourier transport Infrared spectroscopy [FTIR] ;
B. Differential scanning calorimetry [DSC] ;
C. X-ray diffraction [XRD].

Prof Vishal B Patond, M. Pharm., Assistant Professor
Prof Raju R Thenge, M. Pharm., (Ph.D) Associate Professor
Prof Mahesh B Narkhede, M. Pharm., (Ph.D) Associate Professor
Dr Rajendra Gode College of Pharmacy
Malkapur-443 101 Dist. Buldana (MS), India.

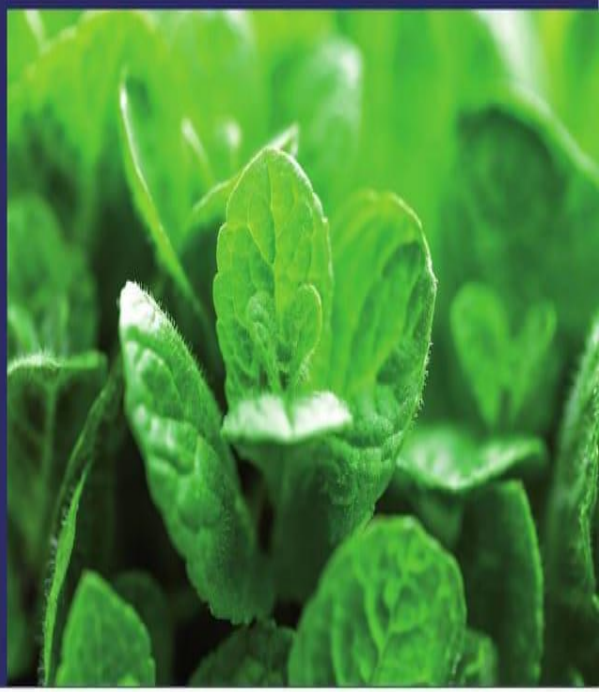
978-613-8-92655-9





CONTENTS

Nepeta cataria (Catnip oil) belonging to family Lamiaceae (mints). is a wide spread throughout the world, growing under a wide range of climatic conditions. Traditionally it has been used to treat Repellency Cymbopogon nardus L. (citronella oil) Family: Poaceae (grasses)is a perennial, herbaceous, plant attaining a height of 40-45cms. Leaves are useful in Repellency antimicrobial activity. The objective of present investigation was to study the larvicidal and mosquito repellent activities of catnip oil and citronella oil formulation at low conc. The catnip oil, and citronella oil were collected from Rakesh industries, Kanpur.Five Emulgels of catnip oil and citronella oil where formulate in various conc and evaluate for larvicidal and mosquito repellency, pH, Color, viscosity, Spreadability, Extrudability, Skin irritation, Drug content, Drug diffusion. The results of larvicidal activity showed that Formulation F4 better larvicidal activity compared other 4 Against Aedes aegypti And Culex quinquefasciatus. Formulation F4 shows the highest mosquito repellency against Aedes aegypti, And Culex quinquefasciatus. The effective repellency against Aedes aegypti and Culex quinquefasciatus.



Manish Bhise
Promad Burakle
Vishal Patond

Mosquito Repellent Emulgel Using Poly-Herbs

Prof. Manish R.Bhise (Associate Professor), Dr. Rajendra College Gode of Pharmacy, Malkapur.
Prof. Promad V. Burkale (Associate Professor), Dr Rajendra College Gode of Pharmacy, Malkapur.
Prof .Vishal B. Patond (Assistant Professor), Dr Rajendra College Gode of Pharmacy, Malkapur.

978-620-2-67023-4

LAMBERT Academic Publishing

A Practical Book of

PHARMACOLOGY-III

Strictly As Per Syllabus Prescribed for B.Pharmacy, Semester-VI by Pharmacy Council of India, New Delhi

Sachin D. Shinde
Dr. Pankaj M. Chaudhari
Rameshwar S. Cheke
Pradip S. Shingane

Pee Vee (Regd.)

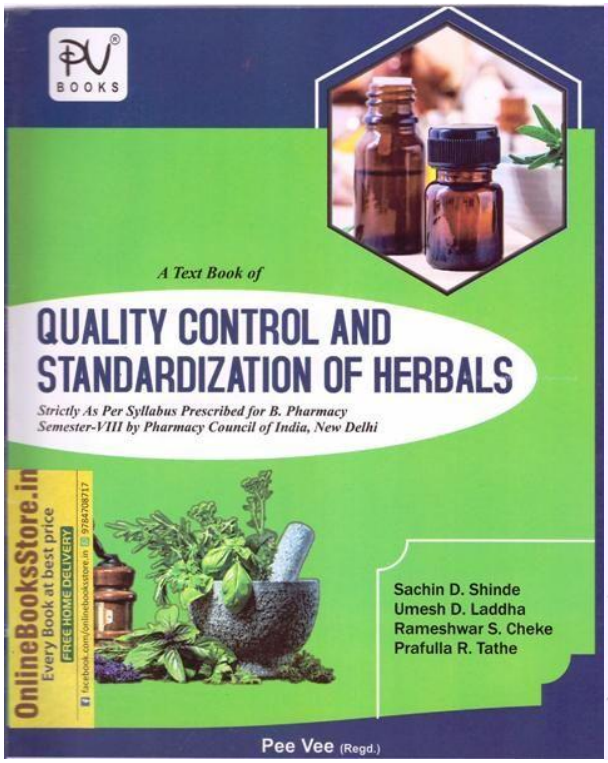
New Concepts in

PHARMACOLOGY-III

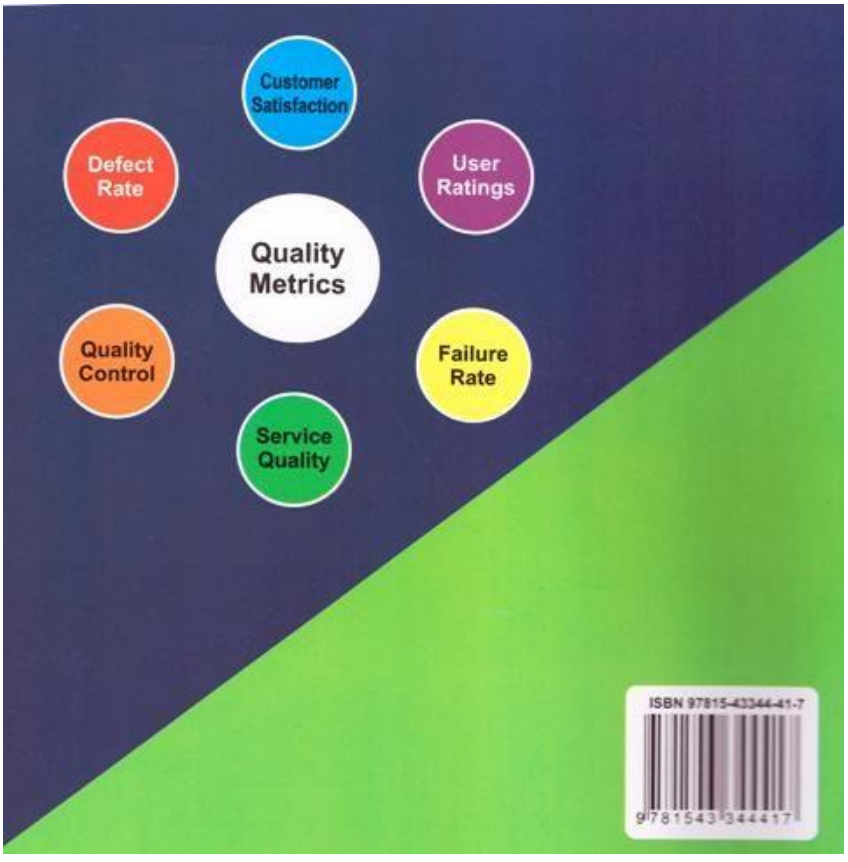
Strictly As Per Syllabus Prescribed for B. Pharmacy, Semester-VI by Pharmacy Council of India, New Delhi

SACHIN D. SHINDE
RAMESHWAR S CHEKE
DR. VITTHAL GAJANAN KUCHAKE

Pee Vee (Regd.)



CONTENTS



ISBN 97815-43344-41-7

ACADEMIC YEAR 2018-2019

Sr. No.	Name of the teacher	Title of the book/chapters published	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Sarin A. Chavhan, Sushilkumar A. Shinde	A Guide to chromatograohy techniques	National	2019	ISBN- 978-16-4678-36-01	Dr. Rajendra Gode College of Pharmacy, Malkapur	Xpress publication
3	Rameshwar S. Cheke, Sachin D. Shinde, Vaibhav S. Adhao, Gautam D. Mehetre	Practical book of Inorganic chemistry	National	2019	ISBN-978-93-88672-36-8	Dr. Rajendra Gode College of Pharmacy, Malkapur	SARA book publication
4	Rameshwar S. Cheke, Jaya P Ambhore, Sachin D. Shinde, Pavan P Chinchole	Practical Book of Medicinal Chemistry - III	National	2019	ISBN- 97815-43343-83-0	Dr. Rajendra Gode College of Pharmacy, Malkapur	PeeVee Publication
5	Dr. Sandip Sapkal	Solubility and dissolution enhancement of some BCS class II drugs	Internatinal	2018	ISBN-10: 9783659814037 ISBN-13: 978-3659814037	Dr. Rajendra Gode College of Pharmacy, Malkapur	LAP LAMBERT

6	Mr. Sushilkumar A Shinde, Miss. Sarin A. Chavhan	Skin Disorders and Herbs	International	2018	ISBN-10: 9786138389576 ISBN-13: 978-6138389576	Dr. Rajendra Gode College of Pharmacy, Malkapur	LAP LAMBERT
7	Mr. Sushilkumar A Shinde, Mr. Nilesh Bhopale	Pharmacognosy	National	2018	ISBN-13: 978-93-8559-08-5	Dr. Rajendra Gode College of Pharmacy, Malkapur	Vallabh Prakashan

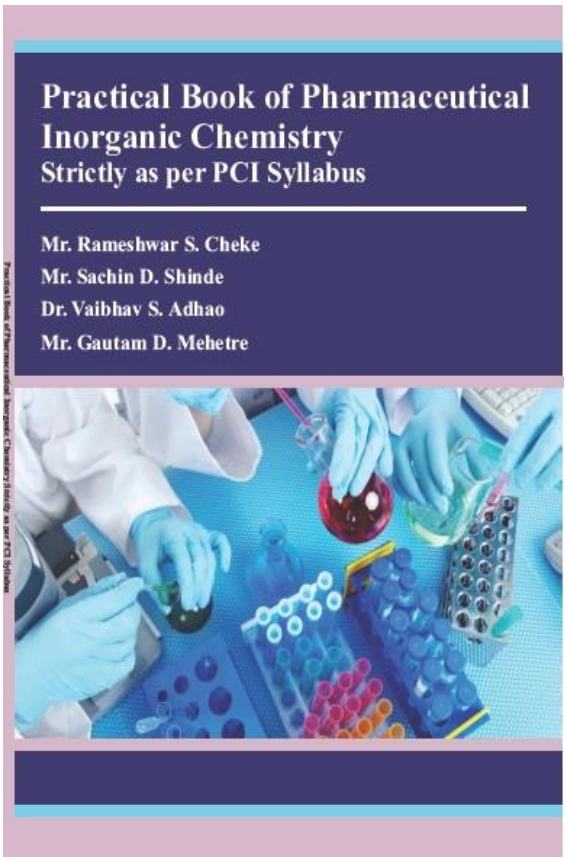
Dr. Rajendra Gode College of Pharmacy ★ Malkapur

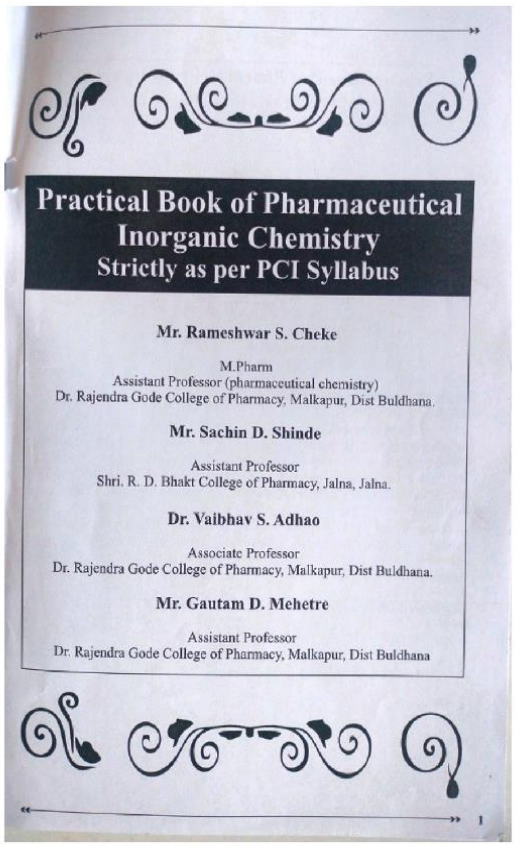
Principal,
Dr.Rajendra Gode College
of Pharmacy,Malkapur.
Dist.Buldana.

A GUIDE TO CHROMATOGRAPHY TECHNIQUES

PROF. SARIN A. CHAVHAN

PROF. SUSHILKUMAR A. SHINDE





Practical Book of Pharmaceutical Inorganic Chemistry
Strictly as per PCI Syllabus

Mr. Rameshwar S. Cheke

M.Pharm
Assistant Professor (pharmaceutical chemistry)
Dr. Rajendra Gode College of Pharmacy, Malkapur, Dist Buldhana.

Mr. Sachin D. Shinde

Assistant Professor
Shri. R. D. Bhakt College of Pharmacy, Jalna, Jalna.

Dr. Vaibhav S. Adhao

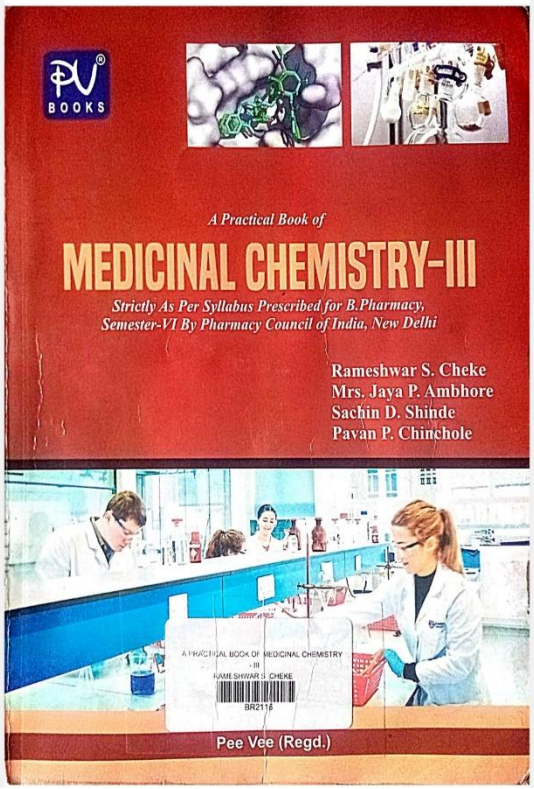
Associate Professor
Dr. Rajendra Gode College of Pharmacy, Malkapur, Dist Buldhana.

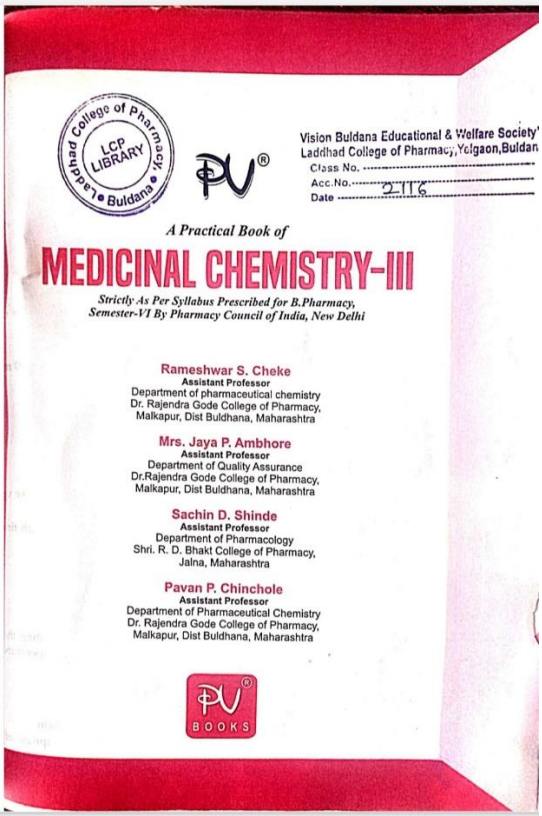
Mr. Gautam D. Mehetre

Assistant Professor
Dr. Rajendra Gode College of Pharmacy, Malkapur, Dist Buldhana

1

CONTENTS





An Imprint of
S.VIKAS & COMPANY (Medical Publishers) INDIA
ND-106, BIKRAMPURA, TANDA ROAD, JALANDHAR CITY-144008 (Pb.)
PH : 094786-64645, 094786-14148
Website : www.pvbooks.in email : pv_books @yahoo.com

ISBN 97815-43343-83-0

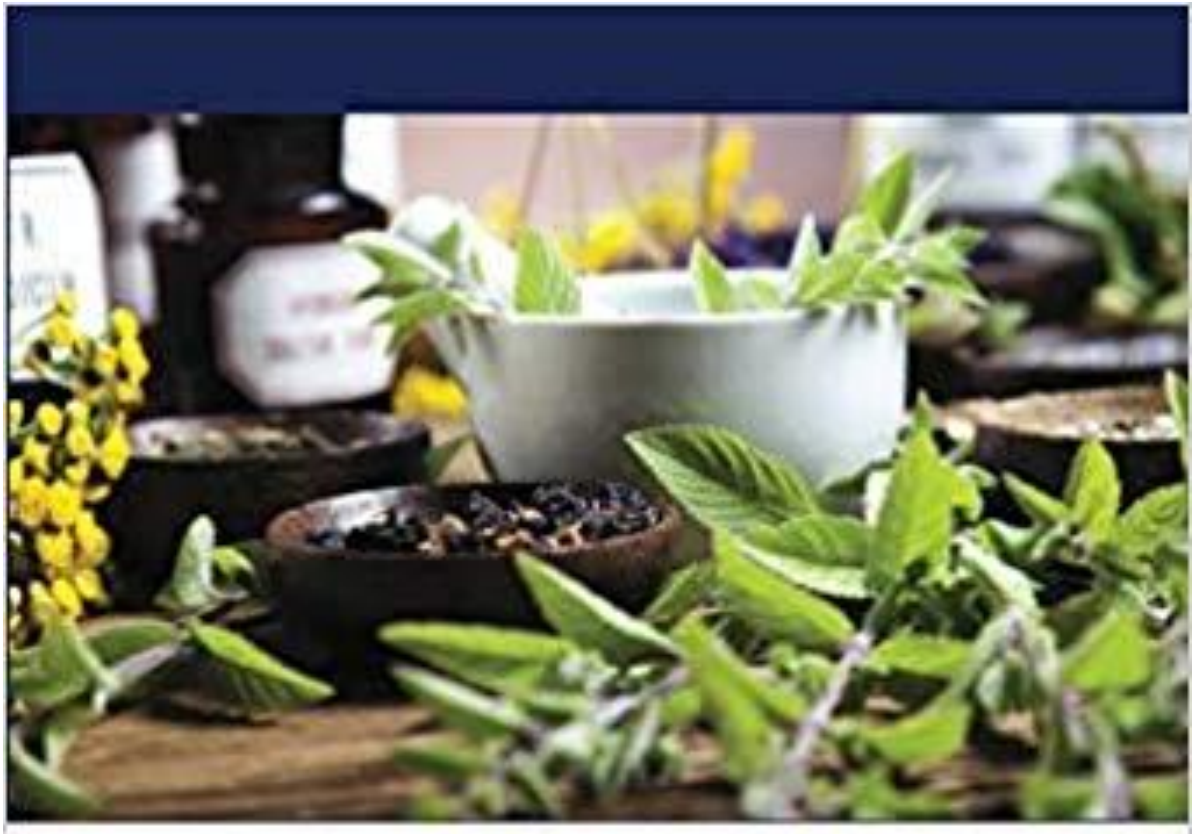
TradeMark No. 1350444

Edition 2020

PRICE : ₹ 195/-

Illustrators : Jack Watson
Printed and bound in India
by Rahul Art & Press

Exclusively marketed and distributed by PV books
For sale only in India, Nepal, Bangladesh, Sri Lanka and U.A.E.



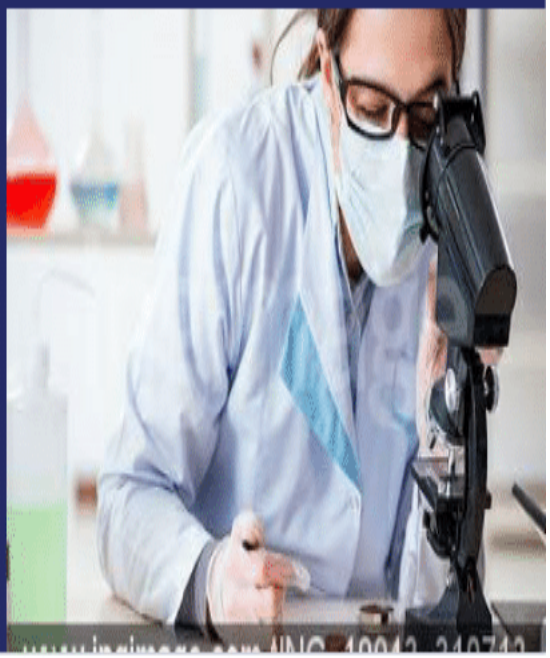
Sushilkumar A. Shinde
Sarin A. Chavhan

Skin Disorders and Herbs

LAP LAMBERT Academic Publishing

The book entitled "Solubility and Dissolution enhancement of Some BCS Class II drugs by solid dispersion technique using natural polymer" is research topic of my PhD work. Its my great pleasure to introduce this work to readers and research scholar. I sure this book is warmly accepted by students of pharmacy post graduates which will create interest in the subject. The readers are requested to provide necessary feedback information for further improvement of the book which will be duly acknowledged. My sincere thanks to my colleagues, teachers and students who have encouraged and inspired me for this work. My special thanks My Mother, Father and Wife- Minal.

Solubility and dissolution study



Sandip Sapkal

Solubility and dissolution enhancement of some BCS class II drugs

Sandip Sapkal currently works as Head of Department at IBSS Dr. Rajendra Gode college of Pharmacy, Malkapur. Sandip does research in Pharmacy. He has industrial and Academic experience of 12 years. About 20 research paper published in international journals.

978-3-659-81403-7

Sapkal

LAP LAMBERT Academic Publishing

Pharmacognosy

Sushilkumar A. Shinde
Nilesh M. Bhopale

ACADEMIC YEAR 2017-2018

Sr. No.	Name of the teacher	Title of the book/chapters published	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Shivshankar D Mhaske, Mahesh Narkhede , Vinayak N. Shrikhande	Antioxidant effect of Trolox in diabetic rat: Pharmacological evaluation	Internatinal	2017	ISBN-10: 9783330650824 ISBN-13: 978-3330650824	Dr Rajendra Gode College of Pharmacy Malkapur	Scholar's Press
2	Shivshankar D Mhaske, Mahesh Narkhede , Sumedh Moharil	Novel drug combination for treating hypertension and dyslipidemia: Atenolol and Atorvastatin	Internatinal	2017	**ISBN-10:** 9783330046603 **ISBN**-13: 978-3330046603	Dr Rajendra Gode College of Pharmacy Malkapur	LAP LAMBERT
3	Mahesh B Narkhede, Shivshankar D Mhaske, Vinayak N Shrikhande	Antidiabetic and antioxidant activity-Pharmacological screening	Internatinal	2017	ISBN-10: 333097253X ISBN-13: 978-3330972537	Dr Rajendra Gode College of Pharmacy Malkapur	Noor Publishing

Dr. Rajendra Gode College of Pharmacy Malkapur

Principal,
Dr.Rajendra Gode College
of Pharmacy,Malkapur.
Dist.Buldana.

"To Study Effectiveness of Novel Drug Combination Containing Atenolol and Atorvastatin for Simultaneously Treating Hypertension and Dyslipidemia" Hypertension and dyslipidemia are two of the most commonly co-occurring cardiovascular risk factors. In a recent study utilizing data from various clinical studies, it was estimated that almost 15% of adults have both hypertension and dyslipidemia. It was also shown that more than 64% of patients with hypertension also have dyslipidemia; conversely, approximately 47% of patients with dyslipidemia have hypertension. These two risk factors together cause an increase in coronary heart disease-related events that is more than simply additive for anticipated event rates with each disease. This study was undertaken to find out the physical and pharmacological compatibility of atenolol and atorvastatin so that both drug can be incorporated in one doses form like tablet or capsule. Because of such study patient adherence to therapy will be increased and definitely lower the cost of treatment.

Novel Drug Combination

Shivshankar Mhaske
Mahesh Narkhede
Sumedh Moharil

Novel Drug Combination for Treating Hypertension and Dyslipidemia

Atenolol and Atorvastatin

Dr. Shivshankar D. Mhaske has completed his Ph.D from Pacific Academy of Higher Education and Research, University Udaipur and M. Pharmacy Pharmacology from SGBAU, Amravati. He has published various research papers in national/international journals. Prof. MAHESH B. NARKHEDE received M in Pharmacology. Prof. Sumedh N. Moharil obtanined M in Pharm.

978-3-330-04660-3

Mhaske, Narkhede, Moharil

LAP LAMBERT Academic Publishing

Antioxidant effect of Trolox in diabetic rat

The present study was undertaken to evaluate effect of trolox on antioxidant status in STZ induced diabetic rats. All animals were divided into four groups and diabetes was induced by STZ (45 mg/kg, i.p) in all groups. Animals received trolox 10 mg/kg and 20 mg/kg respectively for seven days. After 48 hrs of administration of STZ blood glucose levels was estimated. Animals having blood glucose levels more than 200 mg/dl were selected for study. On 8th day, blood was withdrawn by puncturing retro orbital sinus and centrifuged at 3000 rpm for 10 min to separate serum which was used for determination of antioxidant enzymes, lipid peroxidation (MDA) and uric acid level. Our present study revealed that antioxidant enzymes like SOD, CAT and peroxidase were reduced significantly in diabetic rats as compared to normal control rats. Lipid peroxidation and uric acid levels were significantly increased as compared to normal control animals. Administration of trolox (10 mg/kg and 20 mg/kg, i.p) for seven days could significantly elevated reduced activities of SOD, CAT and peroxidase and decreased elevated levels of MDA and uric acid. It is concluded that trolox can possess antioxidant activity.

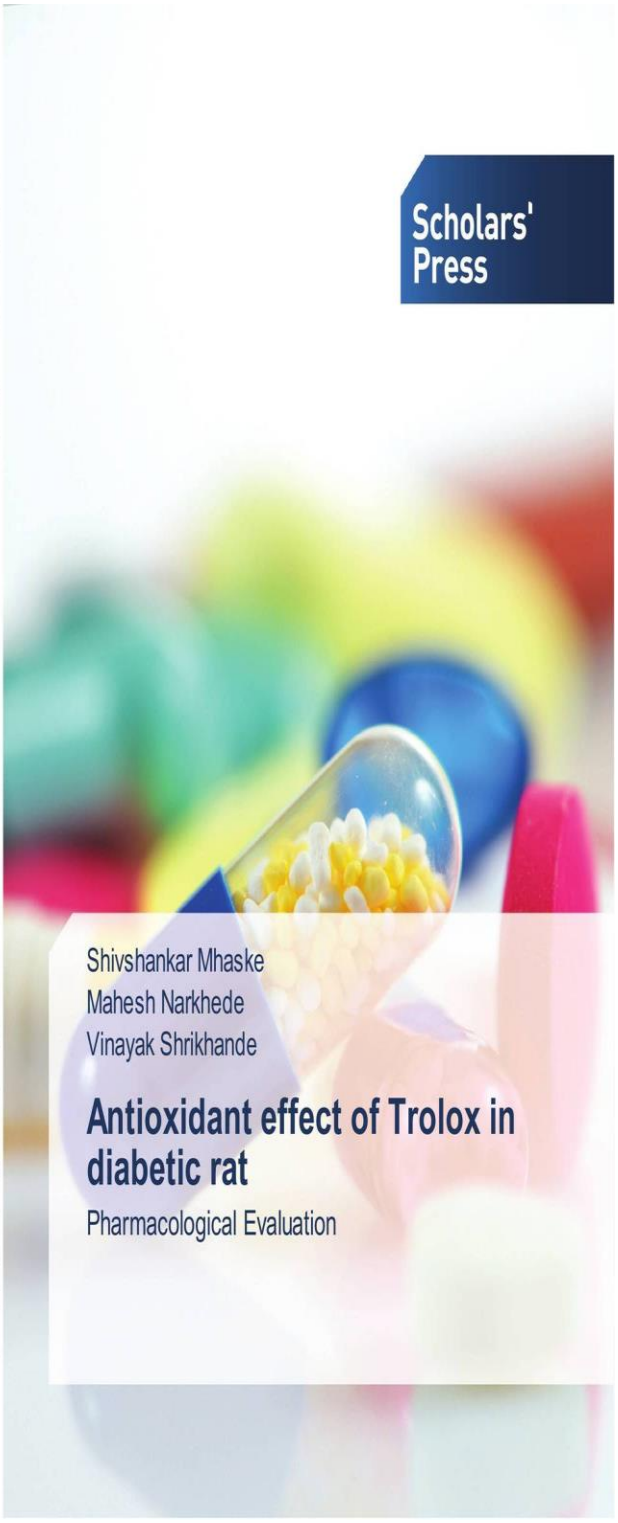
Dr. SHIVSHANKAR D MHASKE M. Pharm., PhD, Asst Prof, PROF. MAHESH B NARKHEDE M. Pharm., Asst Prof, Dr. VINAYAK N SHRIKHANDE M. Pharm., PhD., Principal, IBSS DR RAJENDRA GODE COLLEGE OF PHARMACY, MALKAPUR 443101 (INDIA).

978-3-330-65082-4

Antioxidant effect of Trolox

Mhaske, Narkhede, Shrikhande

Scholars' Press



Shivshankar Mhaske
Mahesh Narkhede
Vinayak Shrikhande

Antioxidant effect of Trolox in diabetic rat

Pharmacological Evaluation

Antidiabetic and Antioxidant Activity- Pharmacological Screening

Antidiabetic and antioxidant activity- Pharmacological screening The selected medicinal plants from the Indian Ayurvedic system with known hypoglycemic or antidiabetic activity, in an attempt to screen for in vitro α-amylase and α-glucosidase inhibitors and antioxidant activity. Extract mixture of leaves of C. dactylon, M. paniculata, and O. sanctum, T. indica, were selected for in vitro α-amylase and α-glucosidase inhibitors and antioxidant activity.

Prof Mahesh B Narkhede is working as Asst. Professor at Department of Pharmacology, Dr. Rajendra Gode College of Pharmacy, Malkapur (India), He has 09 years' experience of teaching and research in pharmacy. He has coauthor of 02 international research book published by Scholar's press and LAP Lambert academic publishing, Germany.

Mahesh B Narkhede
Shivshankar D Mhaske
Vinayak N Shrikhande

Antidiabetic and Antioxidant Activity- Pharmacological Screening

NOOR PUBLISHING

978-3-330-97253-7