



LIST OF BOOKS AND BOOK CHAPTERS PUBLISHED BY FACULTY IN AY 2024-25

Sr. No.	Name of the teacher	Title of the book/chapters published	Year of publication	ISBN number of the proceeding	Name of the publisher
1	Mr. Gadgul A. B	Journey of quinolones from Antibacterial to Anticancer Agents.	2025	978-93-49970-55-7	BP International publisher
2	Dr. Lohiya G. V.	Introduction to analytical techniques used in herbal drug technology.	2024	978-93-5747-680-5	Futuristic Trends in Pharmacy and Nursing, IIP Series
3	Ms. Shinde S.S. Ms. Kolsure J.S.	Pharmaceutical inorganic chemistry	2025	97815-43348-53-8	PV books.
4	Ms. Shinde S.S.	Pharmacology-1	2025	978-93-6175-317-6	JEC Publications
5	Mr. Sarda R.R.	Economic Benefits of Natural products in Modern Drug Discovery in the Twenty-First Century	2024	978-981-97-4600-2	Springer, Singapura
6	Dr. Yelmate A.A & Dr. Satpute K.L	Best from Agriculture Waste: Formulation and evaluation of Herbal Mosquito Repellent Dhoop Batti for Cattle's	2025	978-81-983860-5-2	Amigo International Publisher
7	Dr. Yelmate A.A & Dr. Satpute K.L	"Menstrual Disorders in females: A google form questionnaire-Based study.	2025	978-81-983860-5-2	Scientific Knowledge Publisher
8	Dr. Yelmate A.A	Promising Anti-mycobacterial potentiality of Indian Noteworthy plant Argemone Mexicana Linn.	2024	978-93-49473-33-1	BP International publisher



Dayanand Education Society's

DAYANAND COLLEGE OF PHARMACY

Barshi Road, Latur (Maharashtra) Pin - 413531 PH-(02382)-223299, 223199

Website: www.dayanandpharmacy.org E-mail : dayanandpharmacy@rediffmail.com

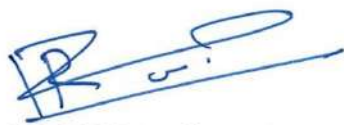
DTE CODE -2156, PCI CODE- PCI-408 principaldcop@gmail.com

Accredited NAAC "A+" Grade CGPA 3.35, I Cycle

List of Books and book chapters published by faculty 2023-24

Sr. No.	Name of the teacher	Title of the book/chapters published	Year of publication	ISBN number of the proceeding	Name of the publisher
01	Mr. Lohiya G. V	Communication and skill development	2023	978-81-19140-80-0	RK Publication
02	Mr. Waghmare R. S	Social and preventive pharmacy.	2023	878-15-43347-53-1	PV books.
03	Dr. Syed S.M	Novel Drug Delivery System	2023	978-91-96356-712	Brilliant Publication
04	Mr. Shivnechari. P.M Dr. Satpute K. L. Dr. Syed S. M.	Lab Manual of Pharmaceutics	2024	978-93-5735-525-4	Pritam Publication Jalgaon
05	Dr. Satpute K. L Mr. Shaikh T. A Mr. Shivnechari. P.M Dr. Sonvane S. M	Lab Manual of Pharmaceutical Chemistry	2024	978-93-5735-648-0	Pritam Publication Jalgaon
06	Dr. Satpute K. L Ms. Shetkar S. L	Lab Manual of Pharmacognosy	2024	978-93-5735-444-8	Pritam Publication Jalgaon
07	Ms. Swami D. M Dr. Satpute K. L Mr. Shivnechari. P.M	Lab Manual of Human Anatomy and Physiology	2024	978-93-5735-447-9	Pritam Publication Jalgaon
08	Ms. Sabne A. A Dr. Satpute K. L	Lab Manual of Social Pharmacy	2024	978-93-5735-997-9	Pritam Publication Jalgaon
09	Dr. Satpute K. L Ms. Warad T. A	Lab Manual of Pharmacology	2024	978-93-5735-339-7	Pritam Publication Jalgaon
10	Mr. Shaikh T. A Dr. Satpute K. L	Lab Manual of Community Pharmacy and Management	2024	978-93-5735-597-1	Pritam Publication Jalgaon
11	Ms. Warad T. A	Lab Manual of Biochemistry Clinical	2024	978-93-5735-473-8	Pritam Publication Jalgaon

	Dr. Satpute K. L	Pathology			
12	Ms. Shetkar S. L Dr. Satpute K. L	Lab Manual of Pharmacotherapeutics	2024	978-93-5735-346-5	Pritam Publication Jalgaon
13	Dr. Satpute K. L Ms. Swami D. M Mr. Shivnechari. P.M	Lab Manual of Hospital and Clinical Pharmacy	2024	978-93-5735-323-6	Pritam Publication Jalgaon
14	Dr. Yelmate A.A & Dr. Satpute K.L	Chapter 1: Design, Development and evaluation of Herbal soap against bacterial skin infections.	2024	978-93-6252-241-2, 3(12) part 2.	Futuristic Trends in Pharmacy and Nursing, IIP Series
15	Ms. Ingle P.V.	Practical Book of Human Anatomy and Physiology-I & II	2024	978-93-5735-965-8	Pritam Publication
16	Mr. Sadat S.K & Dr. Satpute K.L	A Text book of Pharmacological & Toxicological Screening Methods-II	2024	978-93-5735-994-8	Pritam Publication


IQAC Co-ordinator
Dayanand College Of Pharmacy
LATUR




Principal
Dayanand Education Society's
Dayanand College of Pharmacy
LATUR-413531

A Text Book of
**Communication
and Soft Skill
Development**



Dr. Vandana Bajaj (PES-1) is M.A. in English, UGC-NET, and Ph.D. Her area of interest, research and specialisation is Indian Writing in English, Indian Poetics and Communication studies. Currently, she is serving as Sr. Assistant Professor in Department of English at S.R. Govt. College for Women, Amritsar, Punjab. She has a total of twenty-one years of teaching experience to her credit. In addition, she has published articles in refereed journals and also presented papers in various national as well as international conferences. A diligent and enthusiastic educator, she has been fulfilling all her academic and professional responsibilities very competently.



Dr. Alka Sharma, B.A. (Hons.) in Political Science, Postgraduate Diploma in Textile Designing and Printing from D.E.I., Dyalbagh University, Agra, M.A. (English) from Agra College, Agra and obtained her Ph.D in English Literature from Dr. Bhim Rao Ambedkar University, Agra. Presently, serving as an Assistant Professor of English at Dyal Singh College, University of Delhi. She has more than seventeen years of teaching experience in several colleges. She has published two books. She has several scholarly publications to her credit in reputed journals. She has been invited as a resource person and presented papers in various National and International Seminars and Conferences. She is a member of various Academic Committees of National Academic Bodies.



Dr. Bhavani Sushma Garlapati, Assistant Professor of English at KL Deemed to be University (Koneru Lakshimiah Education Foundation), Hyderabad has 14 years of vast teaching experience in various prestigious institutions in Tamil Nadu and Telangana states. Received Gold Medal for M.Phil. & Ph.D. Qualified SET Lectureship, Honoured with Best Faculty Award 2022 by Novel Research Academy, Puducherry, Tamil Nadu. Received Best Paper Presenter Award by International Journal of Research at National College, Tamilnadu. Published More than 15 papers in National and International Journals, also published Chapters and Articles in Scopus Indexed Journals and Web of Science Journals. Participated in various conferences and have 2 patents. Associate Editor for IJRAR & IJCRT Journals. Acted as a guest speaker for various colleges like SRM University, AIMAN & Cauvery college & also qualified SWAYAM-NPTEL.



Mr. Gopal Lohiya, M.Pharmacy (Quality Assurance) is an Assistant Professor in the Department of Pharmaceutical Chemistry at Dayanand College of Pharmacy, Latur, Maharashtra. He has 12 years of teaching experience at UG & PG level. He has published 3 research papers in national & international journal & registered 1 Indian patent. He is life member of Association of pharmaceutical Teachers of India. He has given various poster & oral presentations in national & international conferences. He has worked as a Co-chairman for a social media committee at the Indian Pharmaceutical Congress 2023 held at Nagpur. He has awarded prize for poster presentations at various national & international conferences. He has attended 72 National & international conferences/seminars/workshops/Faculty development programs/continuing education program.



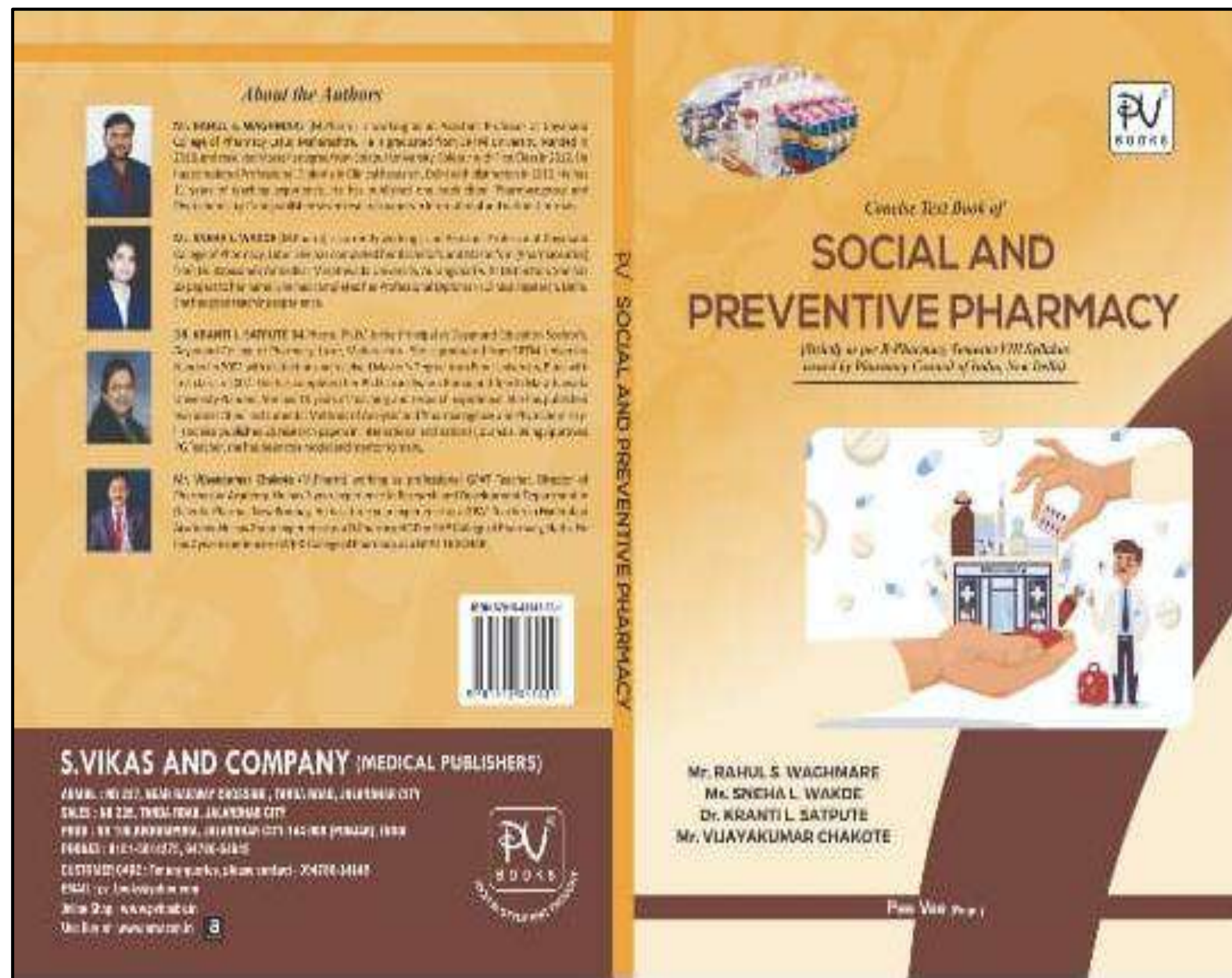
Dr. Vandana Bajaj, Dr. Alka Sharma
Dr. Bhavani Sushma Garlapati, Mr. Gopal Lohiya
Communication and Soft Skill Development

A Text Book of

Communication and Soft Skill Development

**Dr. Vandana Bajaj
Dr. Alka Sharma
Dr. Bhavani Sushma Garlapati
Mr. Gopal Lohiya**





2. Mr. Waghmare R. S



Dr. Sanjay Prabhakar Bhor
Founder Brilliant Publications

About Brilliant Group

Brilliant group was formed in 1998 with vision to deliver unmatched business value to the customers through a combination of process excellence, quality framework and service delivery innovation.

We believe in providing the appropriate end to end solution that leverages technology. We are driven by highly trained staff, operating out of Nationwide Networks and practicing unique customer centric methodology.

Group has major focus on Information Technology, Insurance, Education and Manufacturing sectors of the economy.

Offices :

North America

2400 Pleasant Hill Rd,
Duluth GA-30096
Phone: (770) 418-9638
Fax: (770) 418-1470

Australia

Bonus Jost point
New South Wales 2000,
Sydney, Australia
Phone: (614) 14366050

Bangalore

No. 510, 4th Block,
1st Stage, HBR Layout,
Bangalore-560043
Karnataka, India
Phone: +91(089) 28435787



Best Selling Titles in Pharmacy

1st Semester B. Pharmacy Text Books

1. Pharmaceutical Inorganic Chemistry	150
2. Pharmaceutical Analysis	175
3. Human Anatomy & Physiology	250
4. Pharmaceutics - I	175
5. Communication Skills	150

2nd Semester B. Pharmacy Text Books

1. Human Anatomy & Physiology II	230
2. Pharmaceutical Organic Chemistry I	180
3. Biochemistry	190
4. Pathophysiology	325
5. Computer Application in Pharmacy	210
6. Environmental Sciences	155

3rd Semester B. Pharmacy Text Books

1. Pharmaceutical Organic Chemistry II	130
2. Physical Pharmaceutics I	180
3. Pharmaceutical Microbiology	170
4. Pharmaceutical Engineering	250

1st Year Diploma Pharmacy (ER 2020)

Text Books	
1. Pharmaceutics	250
2. Human Anatomy & Physiology	250
3. Social Pharmacy	260
4. Pharmaceutical Chemistry	250
5. Pharmacognosy	260

1st Year Diploma Pharmacy (ER 2020) Lab

Manuals	
1. Pharmaceutics	215
2. Human Anatomy & Physiology	215
3. Social Pharmacy	190
4. Pharmaceutical Chemistry	180
5. Pharmacognosy	190

2nd Year Diploma Pharmacy (ER 2020)

Lab Manuals	
1. Pharmacology	200
2. Community Pharmacy & Management	250
3. Biochemistry & Clinical Pathology	215
4. Pharmacotherapeutics	215
5. Hospital & Clinical Pharmacy	215

2nd Year Diploma Pharmacy (ER 2020)

Text Books	
1. Pharmacology	280
2. Community Pharmacy & Management	240
3. Biochemistry & Clinical Pathology	270
4. Pharmacy Law & Ethics	270
5. Pharmacotherapeutics	270
6. Hospital & Clinical Pharmacy	300
7. Biochemistry Clinical Pathology	240
8. Pharmacy Law & Ethics	250

First Year Diploma Pharmacy (ER 2020)

Assignment & Field Visit Book	
1. Pharmaceutics	70
2. Social Pharmacy	70
3. Pharmaceutical Chemistry	65
4. Pharmacognosy	70

2nd Year Diploma Pharmacy (ER 2020)

Assignment & Field Visit Book	
1. Pharmacology	65
2. Community Pharmacy & Management	70
3. Biochemistry & Clinical Pathology	65
4. Pharmacy Law & Ethics	65
5. Hospital & Clinical Pharmacy	70

All Books Are Available On
Amazon & Flipkart

Practical Training Manual @ 250

Exit Entrance Examination @ 370

Office Address : Puneet Yash Arcade, 3rd floor Opp. Hotel Kokan
Express, Near Kothrud Bus Stand, Kothrud, Pune - 411038
Factory Address : Anantprabha, D Warg, Opp. Accurate,
Dangat Industrial Estate, Shivane, Pune 23.

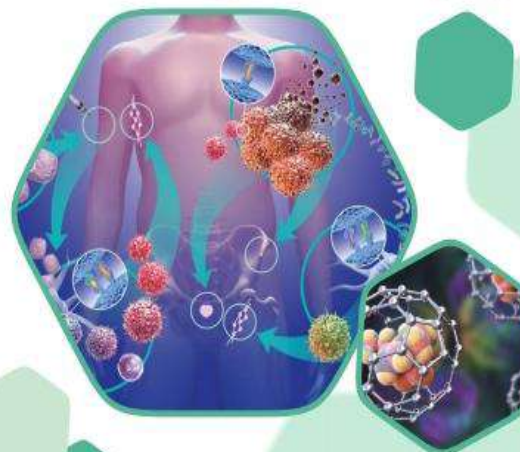
E-mail : brilliantpublication@yahoo.com | Website : www.brilliantpublication.co.in
MO. NO. - 8605 467 166 / 96 993 958 93 / 80 1047 664 2 / 983 485 2072

© Shri Balaji Book Distributors - 631/6, Arun Road, Near Happy Sides Dayanagar (New Delhi 110002)
Ph: 011-43500702, Mob: 7835339794
© Deccan Educational & Social Welfare Society - (Majid Shah) Chitr Ring Road, Airport Road,
Belant Sri Siddhivinayak Drug House, Bider Kamataka (985403), Mob No: 8317264050.
© Skillbook, Pune - 9501028956.
© Central Book Store - Park House Square, Sea Buidy Nagar - 440012, Mob No: 9822073988.
© Laxmi pustakalaya - near kothrud police station, Moha, Nagpur
© Kunal Book - Lane No. 5, Penda Road Corner, Dhus, Contact : (02562) 280-484, Mob No : 9423919592.
© Shri Samarth Book Depot - Patna Chowky behind Aurangpur, Guwahati Mob No: 9422291594

As Per PCI Regulations
Fourth Year B. Pharmacy Semester VII

A TEXTBOOK OF

Novel Drug Delivery System



Novel Drug Delivery System



◆ Shoaeb Mohammad Syed

BRILLIANT
PUBLICATION

About the Authors



**Mr. Prakash
M. Shivnechhari**
HOD & Lecturer,
Dayanand
College of Pharmacy,
Latur



**Dr. Kranti
L. Satpute**
Principal & Professor,
Dayanand
College of Pharmacy,
Latur



Dr. Syed S. M.
Associate Professor,
Dayanand
College of Pharmacy,
Latur

Mr. Prakash Madhavrao Shivnechhari (Ph.D) is presently working as a HOD & Lecturer at Dayanand Education Society's Dayanand College of Pharmacy, Latur, Maharashtra (NAAC A+). He is Graduated & Post graduated from RGUHS Bangalore with distinction. He has 09 Years of academic experience. He has excellent track record in academic and actively engaged in teaching, administration and service to the profession. He has published research and review papers in different National and international journal. He has an active member on inspection and exam committee of Maharashtra State Board of Technical Education Mumbai. He has lifetime membership of APTI.

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Jnananand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National journals. She has Published 4 books and 1 international chapter in her Credit. She is PhD Research guide and Approved PG teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was Felicited with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tarishka award in 2016 by Sakal Group and "The Real Super women Award" in 2021 by PSIA. She has lifetime membership of APTI.

Dr. Syed S. M. Associate Professor, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). He obtained his B. Pharm & M. Pharm from Y B Chavan College of Pharmacy Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and PhD from Govt. College of Pharmacy Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. He has more than 11 years of Research and Academic experience. He has received prestigious Maulana Azad National Fellowship by UGC for obtaining his PhD. He has developed various herbal formulations for different pharmaceutical industries. He has guided several PG students, currently guiding 4 PG and 4 PhD students. He has registered one trademark and filed one patent to his credit. He has published more than 32 research papers in various National and International journals he is also the author of 4 books and a book chapter. He is acting as reviewer to various National and International journals including Scopus and Elsevier.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8459894925, 9209876164 Ph. No. 0257-2992613

www.pritampublications.com, Email : pritampublications@gmail.com

ISBN 978-93-6735-525-4



9 789357 355254

Lab Manual of Pharmaceutics

D. Pharm 1st Year



Lab Manual of

Pharmaceutics

As per PCI Syllabus ER 2020

Mr. Prakash M. Shivnechhari

Dr. Kranti L. Satpute

Dr. Syed S. M.

4. Dr. Satpute K.L.

About the Authors



Dr. Kranti L. Satpute

Principal & Professor,
Dayanand
College of Pharmacy,
Latur



Mr. Tajammul A. Shaikh

Lecturer
Dayanand College
of Pharmacy, Latur



Mr. Prakash M. Shivnechari

HOD & Lecturer,
Dayanand
College of Pharmacy,
Latur



Dr. Sameep Madhukarrao Sonvane

Professor & HOD
Dayanand College
of Pharmacy, Latur

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National Journals. She has Published 4 books and 1 International chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was Felicited with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tanishka award in 2016 by Sakal Group and "The Real Super women Award" in 2021 by FSIA. She has lifetime membership of APTI.

Mr. Tajammul A. Shaikh is presently working as a Lecturer at Dayanand Education Society's Dayanand College of Pharmacy, Latur, Maharashtra (NAAC A+). He is graduated & Post graduated from Dr. B.A.M.U. Aurangabad with Distinction. He has more than 05 Years of academic experience. He has an excellent academic record and is actively engaged in the teaching and academic profession. He has published research and review papers in different National and International journal. He has attend Many FDP's, National and international conferences and workshops. He has an active member of inspection and exam committee of Maharashtra State Board of Technical Education Mumbai.

Mr. Prakash Madhuvrao Shivnechari (Ph.D) is presently working as a HOD & Lecturer at Dayanand Education Society's Dayanand College of Pharmacy, Latur, Maharashtra (NAAC A+). He is Graduated & Post graduated from RGUHS Bangalore with distinction. He has 09 Years of academic experience. He has excellent track record in academic and actively engaged in teaching, administration and service to the profession. He has published research and review papers in different National and international journal. He has an active member on inspection and exam committee of Maharashtra State Board of Technical Education Mumbai. He has lifetime membership of APTI.

Dr. Sameep Madhukarrao Sonvane Professor & HOD at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). He is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2005 with First class, received Masters Degree from RGUHS Bangalore with with first class in 2007 and completed his PhD from SRTMU, Nanded. He has 16 years of teaching and research experience. He has Published 11 research paper in International & National journals. Being Approved PG Teacher, He has 03 Patents to his credit. He is the member of Board of studies of SRTMU, Nanded. He has lifetime membership of APTI.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8455894925, 9209876164 Ph. No. 0257-2992623
www.pritampublications.com, Email : pritampublications@gmail.com



Lab manual of Pharmaceutical Chemistry



D. Pharm 1st Year



Lab Manual of

Pharmaceutical Chemistry

As per PCI
Syllabus
ER 2020

Dr. Kranti L. Satpute

Mr. Tajammul A. Shaikh

Mr. Prakash M. Shivnechari

Dr. Sameep M. Sonvane

5. Dr. Satpute K. L

About the Authors



Dr. Kranti L. Satpute

Principal & Professor,
Dayanand
College of Pharmacy,
Latur



Ms. Shetkar S. L.

Lecturer
Dayanand College
of Pharmacy, Latur.

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National Journals. She has Published 4 books and 1 international chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was Felicitated with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tanishka award in 2016 by sakai Group and "The Real Super women Award" in 2021 by FSIA. She has lifetime membership of APTI.

Mrs. Suchita Lahuraj Shetkar M.Pharma (Ph.D) working as lecturer in Dayanand college of pharmacy, Latur Maharashtra (NAAC A+). She has completed her graduation and post graduation in pharmaceuticals from Swami Ramanand Teerth Marathwada University Nanded. She has second university topper in M.Pharm Pharmacotics. She has qualified university PET exam 2 times. She has total teaching experience of 05 years. She has published research and review papers in the national and International Journals. She has lifetime membership of APTI.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8459894925, 9209876164 Ph. No. 0257-2992623

www.pritampublications.com, Email : pritampublications@gmail.com

ISBN 978-93-8735-444-8



9 789357 354448

Lab Manual of Pharmacognosy



D. Pharm 1st Year

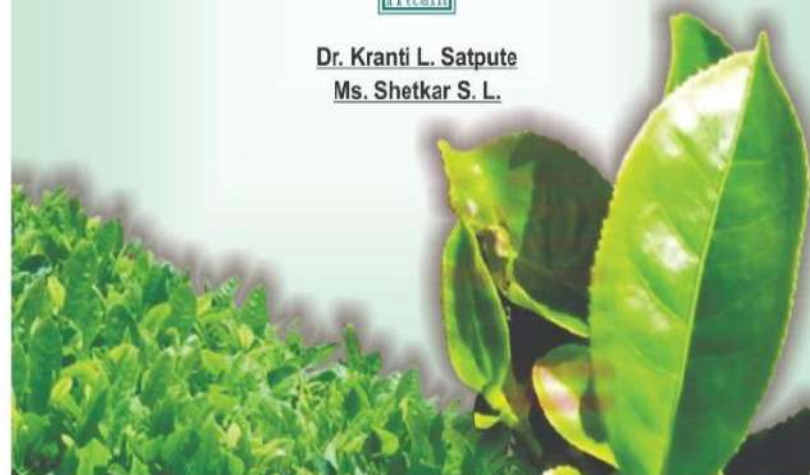
Lab Manual of **Pharmacognosy**

As per PCI Syllabus ER 2020



Dr. Kranti L. Satpute

Ms. Shetkar S. L.



About the Author



Ms. Swami

D. M.

Lecturer Dayanand
College of
Pharmacy, Latur.



**Dr. Kranti
L. Satpute**

Principal & Professor,
Dayanand
College of Pharmacy,
Latur



**Mr. Prakash
M. Shivnechari**

HOD & Lecturer,
Dayanand
College of Pharmacy,
Latur

Miss. Deepali Mallikarjun Swami presently working as lecturer in Dayanand Education Society's, Dayanand college of pharmacy Latur Maharashtra (NAAC A+). She is completed her graduation in Punyshlok Ahilyadevi Holkar University, Solapur. She is received post graduation in pharmaceuticals from Swami Ramanand Teerth Marathwada University Nanded. She has 1 year teaching experience. She has published review papers in the national and international journals.

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National journals. She has Published 4 books and 1 international chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was felicitated with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tanishka award in 2016 by Sakai Group and "The Real Super women Award" in 2021 by FSIA. She has lifetime membership of APTI.

Mr. Prakash Madhavrao Shivnechari (Ph.D) is presently working as a HOD & Lecturer at Dayanand Education Society's Dayanand College of Pharmacy, Latur, Maharashtra (NAAC A+). He is Graduated & Post graduated from RGUHS Bangalore with distinction. He has 09 Years of academic experience. He has excellent track record in academic and actively engaged in teaching, administration and service to the profession. He has published research and review papers in different National and international journal. He has an active member on inspection and exam committee of Maharashtra State Board of Technical Education Mumbai. He has lifetime membership of APTI.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8459894925, 9209876164 Ph. No. 0257-2992623

www.pritampublications.com, Email : pritampublications@gmail.com



Lab manual of Human Anatomy and Physiology



D. Pharm 1st Year

Lab Manual of

Human Anatomy and Physiology

As per
PCI Syllabus
ER 2020

• Ms. Swami D. M. • Dr. Kranti L. Satpute • Mr. Prakash M. Shivnechari

About the Authors



Ms. Sabne A. A.
Lecturer
Dayanand College
of Pharmacy, Latur.



**Dr. Kranti
L. Satpute**
Principal & Professor,
Dayanand
College of Pharmacy,
Latur.

Miss. Anjali Ambadas Sabne is presently working as lecturer in Dayanand education society's Dayanand College of pharmacy, Latur Maharashtra (NAAC A+). She has completed her Diploma from Nanded college of pharmacy, Nanded with First Class. She has completed her graduation and post graduation (In Pharmaceutics) from Swami Ramanand Teerth Marathwada university Nanded with First Rank. she has First university topper in M pharmacy pharmaceutics. She has qualified Gpat exam in 2023. She has published Review papers in various national and international journals.

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National journals. She has Published 4 books and 1 international chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was Felicitated with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tanishka award in 2016 by sakal Group and "The Real Super women Award" in 2021 by FSIA. She has lifetime membership of APTI.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8459894925, 9209876164. Ph. No. 0257-2992623

www.pritampublications.com, Email : pritampublications@gmail.com

ISBN 978-93-5735-997-9



9 789357 359979

Lab Manual of Social Pharmacy

D. Pharm 1st Year

Lab Manual of

Social Pharmacy

As per PCI Syllabus ER 2020



Ms. Sabne A. A.
Dr. Kranti L. Satpute

8. Dr. Satpute K.L.



Dr. Kranti L. Satpute
Principal & Professor,
Dayanand
College of Pharmacy,
Latur



Mrs. Tanuja A. Warad
Lecturer
Dayanand College
of Pharmacy, Latur

About the Authors

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National Journals. She has Published 4 books and 1 international chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was Felicitated with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tanishka award in 2016 by Sakal Group and "The Real Super women Award" in 2021 by FSA. She has lifetime membership of APTL.

Mrs. Tanuja A. Warad M.Pharm (Ph.D) Presently working as a lecturer in Dayanand Education Society's Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She has Completed her D.Pharm first class with distinction from NPTDI Nilanga. She has Completed her B.Pharm and M.Pharm in quality Assurance from Swami Ramanand Teerth Marathwada University Nanded. She has Second University topper in M.Pharm Quality Assurance. She has 7 year Academic experience. She has an excellent academic record and is actively engaged in the teaching and academic profession. She has published Research and review papers in different National and international journal. She has attend FDP's, national and international conferences and workshops. She has lifetime membership of APTL.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8459894925, 9209876164 Ph. No. 0257-2992623
www.pritampublications.com, Email : pritampublications@gmail.com

ISBN 978-93-5735-339-7



9 789357 353397

Lab Manual of Pharmacology



D. Pharm 2nd Year

Lab Manual of Pharmacology

As per PCI Syllabus ER 2020



Dr. Kranti L. Satpute
Mrs. Tanuja A. Warad





Mr. Tajammul A. Shaikh
Lecturer
Dayanand College
of Pharmacy, Latur



Dr. Kranti L. Satpute
Principal & Professor,
Dayanand
College of Pharmacy,
Latur

About the Author

Mr. Tajammul A. Shaikh is presently working as a Lecturer at Dayanand Education Society's Dayanand College of Pharmacy, Latur, Maharashtra (NAAC A+). He is graduated & Post graduated from Dr. B.A.M.U. Aurangabad with Distinction. He has more than 05 Years of academic experience. He has an excellent academic record and is actively engaged in the teaching and academic profession. He has published research and review papers in different National and international journal. He has attend Many FDP's, National and international conferences and workshops. He has an active member of Inspection and exam committee of Maharashtra State Board of Technical Education Mumbai.

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur, Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National Journals. She has Published 4 books and 1 international chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was Felicitated with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tarishka award in 2016 by sakra Group and "The Real Super women Award" in 2021 by PSIA. She has lifetime membership of APTL.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8459894925, 9209876164 Ph. No. 0257-2992623
www.pritampublications.com, Email : pritampublications@gmail.com



Lab manual of Community Pharmacy And Management

D. Pharm 2nd Year



Lab Manual of Community Pharmacy & Management

As per PCI Syllabus ER 2020



Mr. Tajammul A. Shaikh
Dr. Kranti L. Satpute



10. Dr. Satpute K.L.



**Mrs. Tanuja
A. Warad**
Lecturer
Dayanand College
of Pharmacy, Latur.



**Dr. Kranti
L. Satpute**
Principal & Professor,
Dayanand
College of Pharmacy,
Latur

About the Authors

Mrs. Tanuja A. Warad M.Pharm (Ph.D) Presently working as a lecturer in Dayanand Education Society's Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She has Completed her D.Pharm first class with distinction from MPDI Nilanga. she has Completed her B.Pharm and M.Pharm in quality Assurance from swami Ramanand Teerth Marathwada University Nanded. She has Second University topper in M.Pharm Quality Assurance. She has 7 year Academic experience. She has an excellent academic record and is actively engaged in the teaching and academic profession. She has published Research and review papers in different National and International Journal. She has attend FDP's, national and international conferences and workshops. she has lifetime membership of APTL.

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National Journals. She has Published 4 books and 1 International chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was felicitated with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tanishka award in 2016 by sakal Group and "The Real Super women Award" in 2021 by ISIA. She has lifetime membership of APTL.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8459894925, 9209876164 Ph. No. 0257-2992623
www.pritampublications.com, Email : pritampublications@gmail.com



Lab Manual of Biochemistry And Clinical Pathology

D. Pharm 2nd Year



Lab Manual of Biochemistry & Clinical Pathology

As per PCI Syllabus ER 2020



**Mrs. Tanuja A. Warad
Dr. Kranti L. Satpute**



11. Dr. Satpute K.L.

About the Authors



Ms. Shetkar S. L.
Lecturer
Dayanand College
of Pharmacy, Latur.



Dr. Kranti L. Satpute
Principal & Professor,
Dayanand
College of Pharmacy,
Latur.

Mrs. Suchita Lahura Shetkar M.Pharm (Ph.D) working as lecturer in Dayanand college of pharmacy, Latur Maharashtra (NAAC A+). She has completed her graduation and post graduation in pharmaceuticals from Swami Ramanand Teerth Marathwada University Nanded. She has second university topper in M.Pharm Pharmaceuticals. She has qualified university PET exam 2 times. She has total teaching experience of 05 years. She has published research and review papers in the national and international journals. She has lifetime membership of APTI.

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in International & National journals. She has Published 4 books and 1 international chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was Felicited with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tanishka award in 2016 by Sakal Group and "The Real Super women Award" in 2021 by FSI. She has lifetime membership of APTI.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788842784, 8459894925, 9209876164 Ph. No. 0257-2992613

www.pritampublications.com, Email : pritampublications@gmail.com



Lab Manual of Pharmacotherapeutics



D. Pharm 2nd Year

Lab Manual of Pharmacotherapeutics

As per PCI Syllabus ER 2020



Ms. Shetkar S. L.
Dr. Kranti L. Satpute

12.Ms. Shetkar.S.L

About the Authors



**Dr. Kranti
L. Satpute**
Principal & Professor,
Dayanand
College of Pharmacy,
Latur



**Ms. Swami
D. M.**
Lecturer Dayanand
College of
Pharmacy, Latur.



**Mr. Prakash
M. Shivnechari**
HOD & Lecturer
Dayanand College of
Pharmacy, Latur.

Dr. Kranti L. Satpute is the Principal and Professor at Dayanand Education Society's, Dayanand College of Pharmacy, Latur Maharashtra (NAAC A+). She is Graduated from Swami Ramanand Teerth Marathwada University Nanded in 2002 with distinction, received Masters Degree from Pune university, with first class in 2007 and completed her PhD from SRTMU, Nanded. She has 17 years of teaching and research experience. She has Published 38 research paper in international & National journals. She has Published 4 books and 1 international chapter in her Credit. She is PhD Research guide and Approved PG Teacher SRTMU, Nanded. She has been role model and mentor to many organization. She has received Minor & Major grant for her research Project from SRTMU, Nanded & Rajiv Gandhi science & technology commission, Mumbai, Govt. of Maharashtra. She has 02 Patents to her credit. She is the member of Board of studies of SRTMU, Nanded. She was Felicited with "Corona Warrior Award" by Maharashtra State Pharmacy Council in 2021. She has honoured with reputed Tanishla award in 2016 by sakal Group and "The Real Super women Award" in 2021 by FSIA. She has lifetime membership of APTI.

Miss. Deepali Mallikarjun Swami presently working as lecturer in Dayanand Education Society's, Dayanand college of pharmacy Latur Maharashtra (NAAC A+). She is completed her graduation in Purneshlok Ahilyadevi Holkar University, Solapur. She is received post graduation in pharmaceuticals from Swami Ramanand Teerth Marathwada University Nanded. She has 1 year teaching experience. She has published review papers in the national and international journals.

Mr. Prakash Madhavrae Shivnechari (Ph.D) is presently working as a HOD & Lecturer at Dayanand Education Society's Dayanand College of Pharmacy, Latur. Maharashtra (NAAC A+). He is Graduated & Post graduated from RGUHS Bangalore with distinction. He has 09 Years of academic experience. He has excellent track record in academic and actively engaged in teaching, administration and service to the profession. He has published research and review papers in different National and international journal. He has an active member on inspection and exam committee of Maharashtra State Board of Technical Education Mumbai. He has lifetime membership of APTI.



Pritam Publications Pvt. Ltd.

India's Largest Publishing Company of Pharmacy And Nursing Books

Mob. No. 8788841784, 8459894925, 9209876164 Ph. No. 0257-2992623
www.pritampublications.com, Email : pritampublications@gmail.com

ISBN 978-93-5735-323-6



9 789357 353236

Lab Manual of Hospital And Clinical Pharmacy



D. Pharm 2nd Year



Lab Manual of Hospital & Clinical Pharmacy

As per PCI Syllabus ER 2020

Dr. Kranti L. Satpute
Ms. Swami D. M.
Mr. Prakash M. Shivnechari



13. Dr. Satpute K.L



14.Dr. Yelmate A.A

Link of Published Edited Book : <https://www.iipseries.org/view-pub-book.php?bookid=183&bookname=futuristic-trends-in-pharmacy-amp-nursing-volume-3-book-12>

Link of Published Chapter : <https://www.iipseries.org/viewpaper.php?pid=3429&pt=design-development-and-evaluation-of-herbal-soap-against-bacterial-skin-infections>

Link of DOI Alloted to Chapter: <https://www.doi.org/10.58532/V3BGPN12P2CH1>

About the Authors



Miss. Aditya Sonawane

Miss. Aditya Sonawane is currently working as assistant professor in Department of Pharmacology at Jaihind College of Pharmacy Vadgaon Sahani, Pune. She completed her B. Pharm from the Vishal Institute of Pharmaceutical education and Research, Ale & her M. Pharm from Loknete Dadaoji Pharate College of Pharmacy, Mandavgaon Pharta, Pune. She has 3 years of academic experience. She has published more than 6 review and research articles in national and international journals. She has presented Posters and oral presentations at various conferences. She is active member of Indian Pharmaceutical Association (IPA).



Miss. Priyanka Ingle

Miss. Priyanka Ingle (Pawar), M. Pharm (Pharmacology) is currently working as an Assistant Professor at Dnyanand College of pharmacy, Latur. She has 6 years of teaching experience. She is graduated from BAMU University, Aurangabad and she has completed a Master of pharmacy in Pharmacology at Karnataka College of Pharmacy, Bidar from Rajiv Gandhi University of Health Sciences, and Karnataka University with Distinction. She is actively involved in research activities. She has published 6 research and review papers in national and international journals. She has actively participated in more than 2 national and international Conference, and more than 15 seminars, webinars and FDPs. She is also involved in various social awareness activities, like an awareness program on the Industry Awareness workshop for pharmaceuticals.



Mr. Amol Supekar

Mr. Amol Supekar is an accomplished researcher and educator in the field of pharmacy, currently working as an Assistant Professor at Abasaheb Kulkarni College of B. Pharmacy, Bodhegaon. He has completed his M. Pharm in Pharmacology from the Padmaashree Dr. Vitthalrao Vikhe Patil Foundation's College of Pharmacy. He is currently pursuing a Ph.D. at Bhagwant University in Rajasthan. He has 5 years of academic experience. He has published more than 10 review and research articles in national and international journals. His areas of interest include Nanotechnology, Neurology and Novel drug delivery system.



Mr. Sagar Jadhav

Mr. Sagar Jadhav is an accomplished researcher and educator in the field of pharmacy. He is currently working as an Assistant Professor, Department of Pharmacology at Piyajbhai Shamaji College of Pharmacy, Gadhinglaj, Bahirewadi, Kolhapur. He holds an M. Pharm in Pharmacology from Dr. D. Y. Patil Institute of Pharmaceutical Science and Research, Pimpri, and a B. Pharm from POEA's SGRS Sable College of Pharmacy, Saswad, Pune. Sagar has published more than 10 review and research articles in national and international journals, showcasing his passion for pharmacology and commitment to academic excellence. His areas of interests in clinical research and hematology.



Pritam Publications
India's Largest Publishing Company of Pharmacy And Nursing Books
Mobile No. 8788842784, 8459894925
www.pritampublications.com Email: pritampublications@gmail.com

ISBN 978-93-8735-965-3



9 789357 359658

Practical Book of Human Anatomy and Physiology-I & II

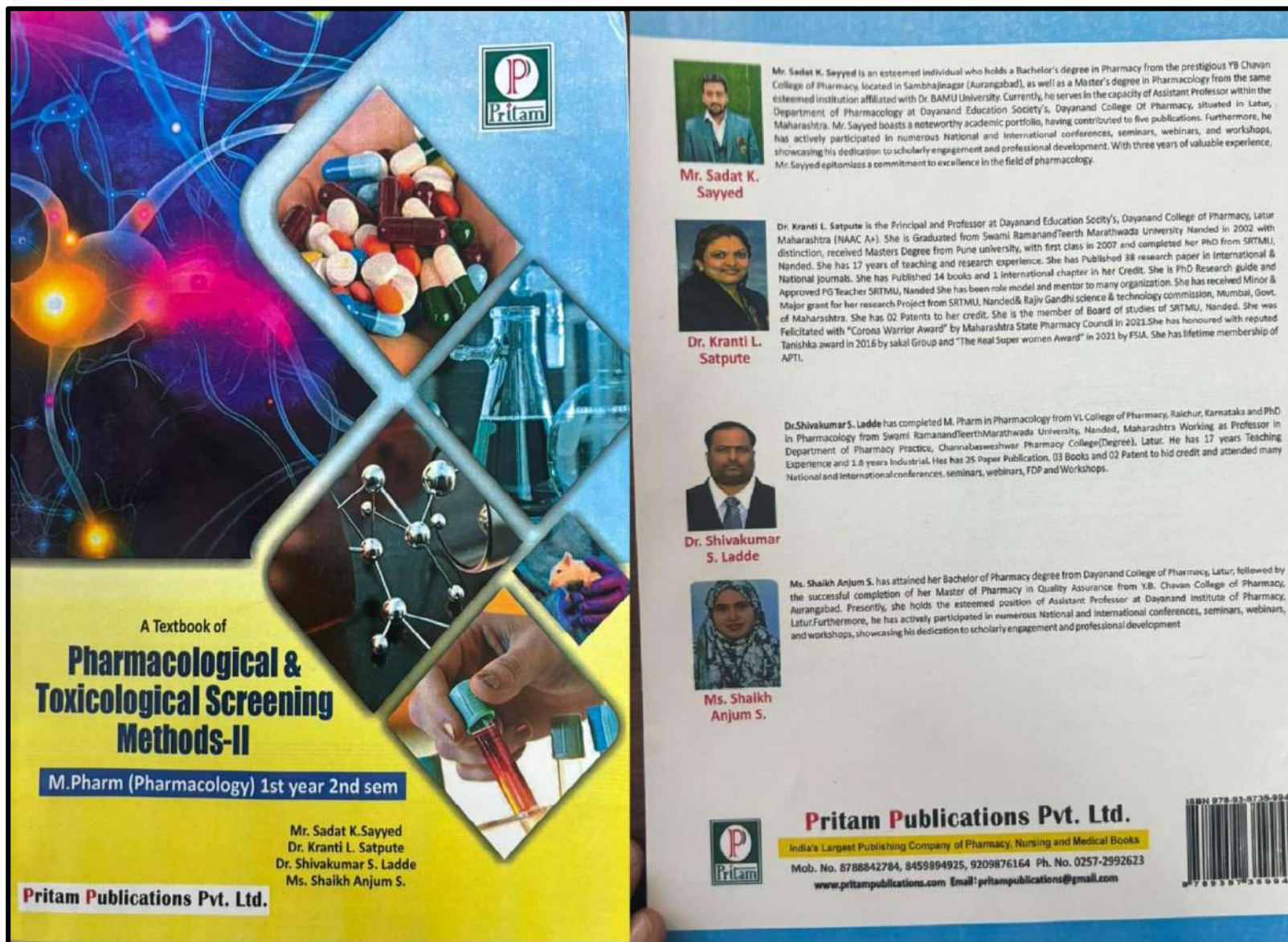
B. Pharm 1st year



- Miss. Aditya Sonawane
- Miss. Priyanka Ingle
- Mr. Amol Supekar
- Mr. Sagar Jadhav

Practical Book of Human Anatomy and Physiology I & II

15.Ms. Ingle P.V.



16.Mr. Sadat S.K.



Organized By:
Shri. D. D. Vispute
College of Pharmacy
& Research Center



Hosted By:



SOUVENIR

OF 2 PHARMAIR INTERNATIONAL CONFERENCE ON
"PHARM360: EMERGING TRENDS AND FUTURE
PERSPECTIVES IN PHARMACEUTICALS"

 www.pharmair.org
ISBN: 978-81-970544-9-5

detect the presence of gallic acid (GA) and semioside (S) in easy detox granules formulation. To obtain the best resolution of the active compounds, well-developed TLC mobile phases were employed in HPTLC. The biomarkers were then quantified using an HPLC technique with a C18 analytical column and a UV detector set to 254 nm in wavelength. Result: The chromatographic analysis successfully resolved the R_f values of 0.45±0.01, 0.80±0.01, and 0.82±0.01, indicating the presence of biomarkers, namely Gallic Acid and Semioside A and B. The HPLC method quantitatively analyzed gallic acid at t_r 5.967 and semioside t_r 15.867 minutes respectively. Conclusion: This study was efficiently developed and the method is verified for HPTLC and HPLC chromatographic fingerprinting for assessing the quality of polyherbal formulations and biomarker composition.

Keywords: HPTLC, HPLC, Gallic acid, biomarkers, polyherbal formulation.

PCA-126

DEVELOPMENT AND VALIDATION OF ANALYTICAL METHODS FOR ESTIMATION OF ANTI-INFECTION DRUGS

Varsha Pravin Patil*, Ravi Ajudin
*School of Pharmacy, RK University, Rajkot
VIVA Institute of Pharmacy, Virar

Abstract: A simple, accurate, rapid, precise Reverse Phase High Performance Liquid Chromatography (RP-HPLC) method has been developed & validated for determination of Dolutegravir in tablet dosage form. The method was developed and separation was done on Hypersil BDS C18 column of dimensions 4.6 mm x 250 mm, 5 µm with PDA Detector. At wavelength 220 nm Dolutegravir has considerable absorbance. The HPLC method was found to be linear between 10-50 µg/ml. The selected & optimized mobile phase was Potassium dihydrogen orthophosphate and Methanol (50:50 % v/v), whose pH was adjusted to 4 by Glacial acetic acid. Flow rate 1.0 ml/min. Wavelength 220 nm. Run time-10 min. Sample volume 20 µl. The method was validated according to ICH guidelines for accuracy, precision, specificity, linearity, robustness, LOD & LOQ. The method was found to be simple, accurate, precise, economical & reproducible. So the proposed

method can be used for the routine quality control analysis of Dolutegravir in tablet formulation.

Keywords: RP-HPLC, Dolutegravir, ICH guidelines, Methanol, Potassium dihydrogen orthophosphate

PCA-127

HPTLC ANALYSIS & IN SILICO SCREENING OF URSOLIC ACID POTENTIAL INHIBITERS OF

RESPIRATORY INFLUENZA VIRUSES

Aarati R. Supekar*, Santosh S. Bhujbal, Rashmi C. Yadav

Department of Pharmacognosy, Dr. D. Y. Patil Unitech Society's Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune

Abstract: HPTLC has emerged as an analytical tool for the standardization of herbal medications since it is less expensive and more efficient. Bioactive components Ursolic acid is present in Tulasi & has several pharmacological actions including anti-inflammatory, antioxidant, antibacterial and antifungal activities. Leading pharmaceutical corporations and research organizations use computer-aided drug discovery tools in exploratory investigations to speed up drug discovery and development and reduce costs and failures in the final stage. As per traditional claim natural products and herbal medications have a promising contribution to drug discovery, they are utilized to prevent respiratory influenza viruses. We screened and identified bioactive components from immune-modulatory & Ayurvedic rasayana plants like Tulasi. Ursolic acid was collected through a literature survey and databases and retrieved from the PubChem database dock with multiple viral targets. Due to their high binding affinity Ursolic acid is initially considered as antiviral medications.

Key words: HPTLC fingerprinting, Tulasi, Ursolic Acid, Respiratory influenza virus

PTC-101

DESIGN, DEVELOPMENT, EVALUATION AND CLINICAL STUDY OF NOVEL GEL FOR DERMAL DISORDERS.

Yelmate Archana Ashok

Dayanand College of Pharmacy, Latur

Abstract: No cure is available for skin diseases, but various treatments can help to control the symptoms. Skin diseases can be difficult to treat due to its chronic recurrent nature. Topical herbal

formulations have been the mainstay of topical antimicrobial and anti-inflammatory therapy of skin diseases and are available in different treatment, doses and various formulations or vehicles. Topical agents are typically used for mild disease, phototherapy for moderate disease, and systemic agents for severe disease. Yet none of them are universally safe and effective. More recently, the mid-potency corticosteroid betamethasone valerate (BMV) and the ultra-high-potency corticosteroid clobetasol propionate (CP) have become available but possesses serious side effects on long term use, so there is a need for a new medication for the treatment of skin diseases, which addresses the shortcomings and limitations of the current therapy and thereby, provides complete cure without any relapse and having no serious adverse reactions. The present research provides novel polyherbal gel formulation appears to be associated with better compliance and improvements in disease condition and quality of life. The unique nature of the polyherbal gel together with the positive findings of in vitro studies, Pre-clinical and clinical studies suggest these formulations may expand the options currently available for the treatment of skin diseases.

Keywords: Poly-herbal gel, clinical trial, volunteers, skin diseases, S. aureus etc.

PTC-102

FORMULATION, DEVELOPMENT & IN VITRO AND IN VIVO EVALUATION OF EXTENDED-RELEASE TABLET OF VILDAGLIPTIN BY QbD APPROACH

*Pund Anil Keshavrao, Mumdada Anishkumar S.
Department of Pharmaceutics, SNJB's SSDJ College of Pharmacy, Chandwad, Nashik-423101

Abstract: The aim of present study to develop of an Extended-Release tablet containing vildagliptin using combination of Natural Gum and Hydroxypropyl methylcellulose (HPMC K4M) to overcome the 'Ghost pill effect' of synthetic polymers using a 3² factorial design approach. The study involved simple cost-effective direct compression method for preparing granules of Vildagliptin using co-processed Natural Gum (Combination of Xanthan Gum & Gum Acacia) & HPMC K4M along with other excipients & characterized for micromeritics properties & compressed into

tablets. Drug release (DR) studies were conducted using a USP dissolution apparatus & dissolution profiles were compared with marketed formulation (MF). DR kinetics was studied and pharmacokinetic evaluation was performed using rabbits as animal models. The different micromeritics properties of granules were found satisfactory for compressing them into tablets. Physical parameters of tablets found satisfactory. The DR shows that MF release 97% drug in 8 hrs. Whereas developed formulation extends the DR >= 95% over the period of 12 hrs. DR from VIL tablets fitted zero order model. The study reveals compatibility between the drug and the chosen polymer & ER tablets demonstrated DR over the extended period & DR followed zero order kinetics. The co-processed excipient along with HPMC K4M extended DR over period of 12 hrs. & exhibited much better performance compared to MF.

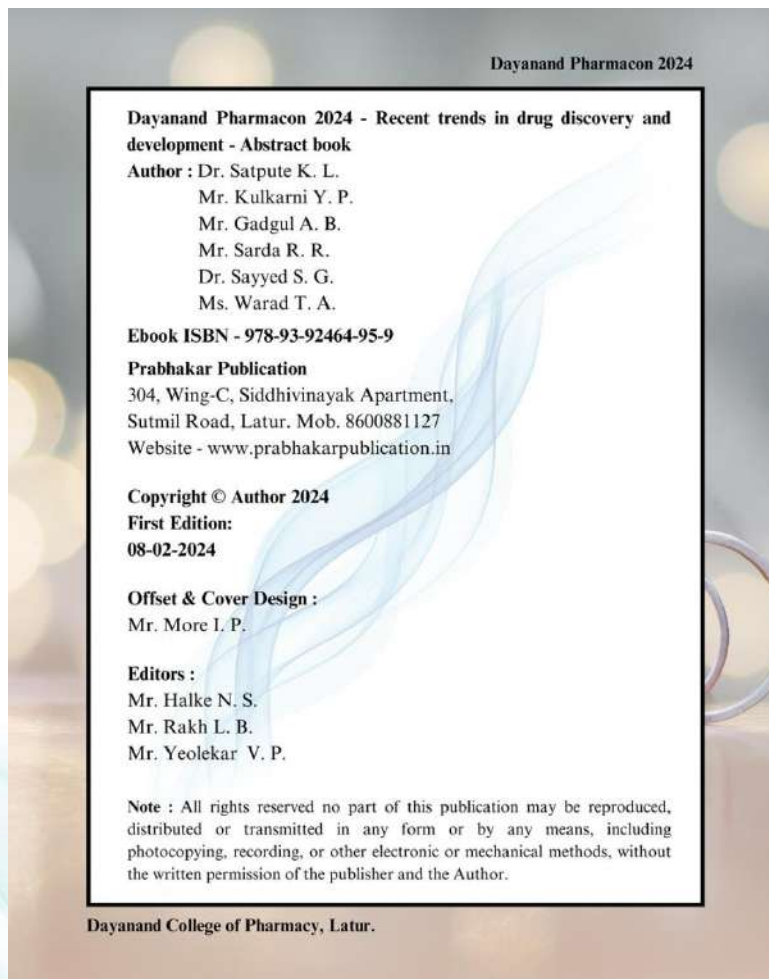
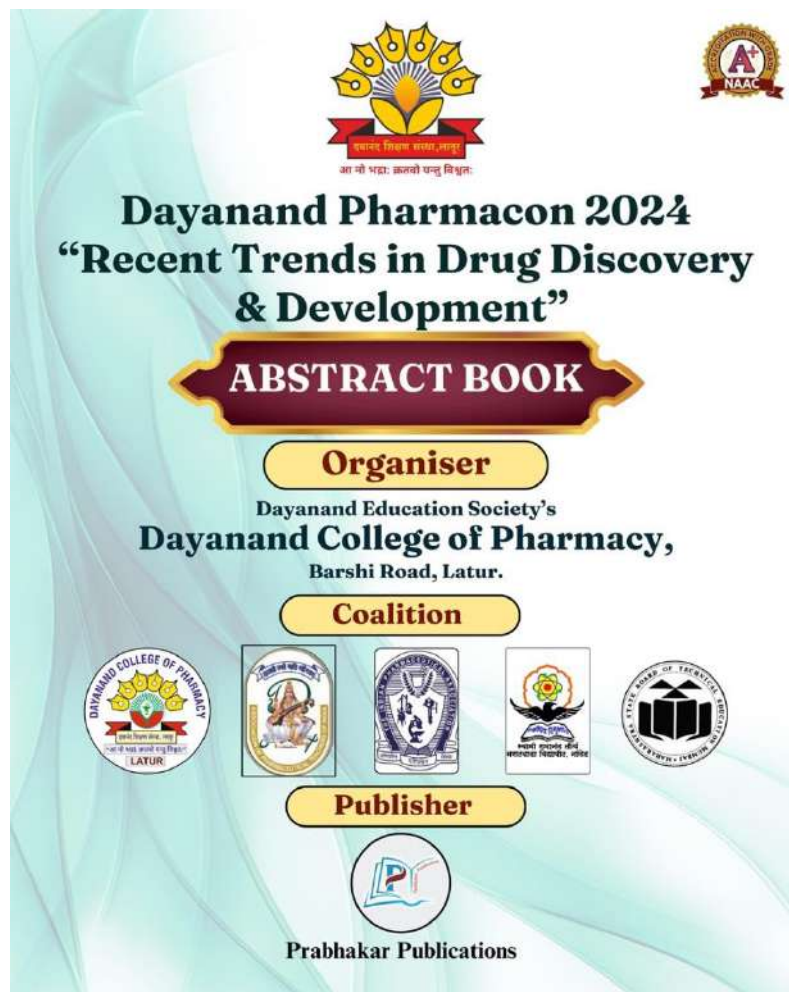
Keywords: Ghost pill effect, Vildagliptin Extended-release tablets, Co-processed Natural Gum, QbD Approach, Direct Compression Method.

PTC-104

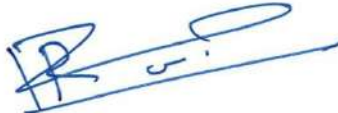
DESIGN, OPTIMIZATION AND CHARACTERIZATION OF 5-FLUOROURACIL LOADED MICELLAR NANOGEL

Nupoor S. Erram*, Jameel Ahmed S. Mulla
Department of Pharmaceutics, Shree Santhkrupa College of Pharmacy, Ghogaon-Karad, Maharashtra-415111

Abstract: The goal of the current work is to formulate and characterize 5-Fluorouracil loaded-micellar nanogel. Nanogel carriers shows promising role for transdermal medication delivery systems. Nanogels are three-dimensional networks made of polymer chains that have been cross-linked. The size range of nanogel is 100-200 nm. Aggressive skin cancer most commonly manifests as malignant melanoma. Melanoma is responsible for 66% of skin cancer-related deaths, but making up only 3% of all instances of skin cancer. Usually measuring between 10 and 100 nm, polymeric micelles are nanoscale drug delivery systems made of amphiphilic block copolymers with hydrophilic (A) and hydrophobic (B) blocks that self-assemble in aqueous solutions to form a two-phase structure that is typically spherical and has an inner



<http://www.dayanandpharmacy.org/wp-content/uploads/2024/08/new-of-International-conference-on-4.pdf>


IQAC Co-ordinator
Dayanand College Of Pharmacy
LATUR




Principal
Dayanand Education Society's
Dayanand College of Pharmacy
LATUR-413531