



3.3
Research Publications and Awards

3.3.2
Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years



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List of Publication indicating ISBN number and year of publication for books/chapters

Shri. Balasaheb Mane Shikshan Prasarak Mandal, Ambap's
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3.3.2 Number of books and chapters in edited volumes/books published

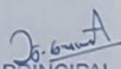
Sr. No.	Name of the teacher	Title of the book/chapters published	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Mrs. Poonam Nilesh Chougule	Textbook of Pharmacognosy as per ER2020 PCI Syllabus.	2022	9789392159664	AMCP,Peth-Vadgaon	Pritam Publications
2	Mr.Atul Kadam Ms.Prachi Khamkar	Introduction and Need for Additive Manufacturing in the Medical Industry, Additive Manufacturing with Medical Applications	2022	ISBN: 978-1-032-11077-6 (hbk) ISBN: 978-1-032-29325-7 (pbk) ISBN: 978-1-003-30106-6 (ebk)	AMCP,Peth-Vadgaon	CRC Press is an imprint of Taylor & Francis Group, LLC
3	Ms. Naziya Rafiq Patel	Fast dissolving tablets containing solid dispersion of NSAID.	2022	9786204749303	AMCP, Peth-Vadgaon	LAP Lambert Publishers
4	Mrs. Poonam Nilesh Chougule	Synthesis of N-methyl triazolone derivatives as Anti-tubercular agent.	2022	9786204979502	AMCP, Peth-Vadgaon	LAP Lambert Publishers
5	Mrs. Poonam Nilesh Chougule Ms. Aishwarya Prakash Bhosale	Book Chapter entitled, "Advanced trends in biotechnology" in IIP book series (IIP V2 2022 BS 17 05 Futuristic trends in Biotechnology), VOL 2 ,2022.	2022	ISBN:978-93-95632-88-1	AMCP, Peth vadgaon	IIP book series
6	Dr. Mrs. P. S. Sankpal Dr.Mrs.S.B.Sutar	Brine Shrimp Lethality Bioassay of Gallic Acid and Quercetin Loaded Solid Lipid Nanoparticles	2022	ISBN: 9788195555703	AMCP, Peth-Vadgaon	Scieng Publications
7	Dr. Mrs. P. S. Sankpal	Polyherbal nanoformulations for the treatment of colorectal cancer	2022	ISBN: 9786204982038	AMCP, Peth-Vadgaon	LAP Lambert publishing house Germany
8	Dr. Mrs. P. S. Sankpal	Design, Development and Characterization of herbal nanoparticles	2022	ISBN: 9786204998344 8	AMCP,Peth-Vadgaon	LAP Lambert publishing house Germany
9	Mrs. Poonam Nilesh Chougule	Evaluation of endophytic fraction of Boerhavia diffusa L. root. For Hepato-protective activity in rats.	2021	9786204205403	AMCP, Peth-Vadgaon	LAP Lambert Publishers
10	Neha D. Desai	Self Micro-emulsifying mouth dissolving film	2022	9786204752211	AMCP, Peth-Vadgaon	LAP Lambert Publishers
11	Ms.Neha Desai	Bioadhesive pulsatile drug delivery system of an	2022	978-620-474975-4	AMCP, Peth vadgaon	LAP Lambert Publishers



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antilipidemic drug						
12	Dr.S.B.Sutar	Application of Lepidium sativum as an Excipient in Pharmaceuticals	2021	ISBN: 9788770221368 e-ISBN: 9788770221351	AMCP, Peth vadgaon	Advanced Polymeric Systems Applications in Nanostructured Materials, Composites and Biomedical Fields River Publishers Series in Polymer Science
13	Dr.S.A.Bandgar	Chapter 13-Nanostructures for antimicrobial therapy	2021	978-0-12-820569-3	AMCP, Peth vadgaon	Nanoscale Processing, Micro and Nano Technologies
14	Mrs. Poonam Nilesh Chougule	Evaluation of endophytic fraction of Boerhavia diffusa L. root. For Hepato-protective activity in rats.	2021	9786204205403	AMCP, Peth-Vadgaon	LAP Lambert Publishers
15	Dr.Sandip Bandgar, Dr.Sachinkumar Patil, Dr.Namdeo Jadhav	Self-Emulsifying Drug Delivery System (SEDDS) and Self Microemulsifying Drug Delivery System (SMEDDS). Advances in Drug Delivery (Vol-IV)	2019	Page No. 42-80. ISBN: 978-93-52300-95-2	AMCP, Peth-Vadgaon	PharmMed Press, 2019
16	Dr.Sachinkumar V. Patil	11 - Polymeric materials for targeted delivery of bioactive agents and drugs	2018	6/4/2018, Pages 249-266	AMCP, Peth vadgaon	Woodhead Publishing Series in Biomaterials



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Additional documents books and chapters in edited volumes/books published.


About Authors



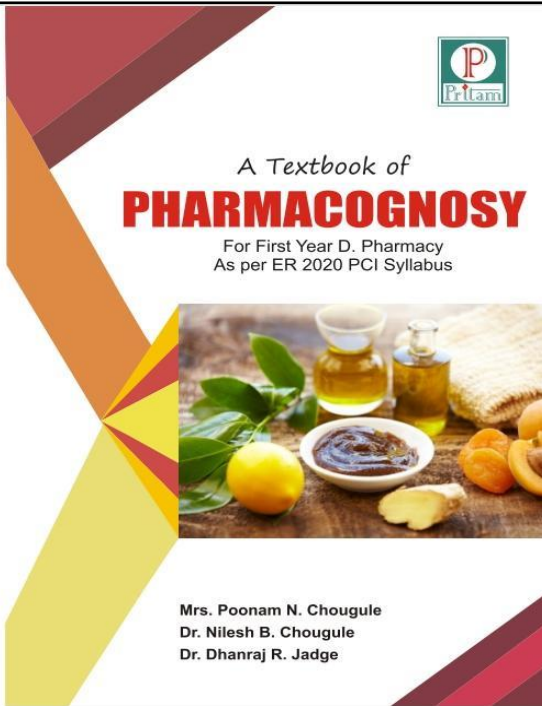
Mrs. Poonam N. Chougule is currently working as Assistant Professor at Ashokrao Mane College of Pharmacy, Peth-Vadgaon, Kolhapur. She has completed M. Pharm in Pharmacognosy from SET's College of Pharmacy, Dharwad and secured Gold Medal of RGIHS Bangalore in 2013. She is currently pursuing her PhD in Pharmacognosy from PRIST University Thanjavur, Tamilnadu. She has 7 years of Academic experience. Her papers have been published in reputed National and International journals and also have one International book to her credit. She also got Faculty of the Year Award in 2021. Her interest area of research includes converting botanical materials in medicines and proper integration of modern scientific techniques and traditional knowledge. She is Life member of Maharashtra State Pharmacy Council, Association of Pharmaceutical Teachers of India and Honorary member of Asian Society of Pharmacognosy.



Dr. Nilesh B. Chougule is currently working as Principal at Ashokrao Mane Institute of Pharmacy, Ambus, Kolhapur. He has completed his PhD from PRIST University Thanjavur, Tamilnadu. And M. Pharm from KLE's college of Pharmacy, Belagavi. He has 12 years of experience of Teaching at Diploma and Undergraduate level. He has written more than 15 research publications in various National and International journals. He is also recognized as Examiner of numerous universities. He received Award of Best Researcher in year 2018. He is Life member of Maharashtra State Pharmacy Council, Association of Pharmaceutical Teachers of India.



Prof. (Dr.) Dhanraj R. Jadge is a renowned academician and administrator in the field of pharmacy having more than 28 years of research and academic experience & currently working as Principal and Professor at Womens College of Pharmacy, Peth Vadgaon, Maharashtra. Dr. Jadge has published research & review article in various national and international journals and has five books in his credit. He is a life member of various professional associations like Association of Pharmaceutical Teachers of India, Indian Pharmaceutical Association and IPS. He has been associated with several Indian Universities and Institutes as a Member of academic bodies and examiners at various levels. He is also working as reviewer and editor for various National and International journals.



Mrs. Poonam N. Chougule
Dr. Nilesh B. Chougule
Dr. Dhanraj R. Jadge

1 Introduction and Need for Additive Manufacturing in the Medical Industry

Prachi Khamkar
Next Big Innovation Labs, Bengaluru, India
Ashokrao Mane College of Pharmacy, Peth Vadgaon, India

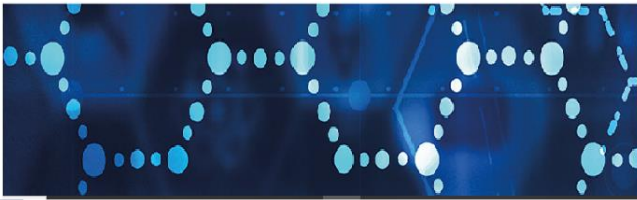
Atul Kadam
Shree Santkrupa College of Pharmacy, Karad, India
Ashokrao Mane College of Pharmacy, Peth Vadgaon, India

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ADDITIVE MANUFACTURING WITH MEDICAL APPLICATIONS


Edited by
Harish Kumar Banga, Rajesh Kumar, Parveen Kalra, Rajendra M. Belokar




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Recently fast dissolving tablet attracted a great deal of attention. The fast dissolving tablet is useful for geriatric patients are suffering from tremors and dysphagia. Pediatric patients who are unable to swallow, traveling patients, suffering from motion sickness and diarrhoea and generally challenged patients, bedridden patients. The fast dissolving tablet used for improving bioavailability of poorly soluble drug than by absorption of drug into oral cavity and also due to pre-gastric absorption of dispersed drug into water.







Ms. Naziya R. Patel is currently working as Assistant Professor at Ashokrao Mane College of Pharmacy, Peth Vadgaon. She has 8 years academic experience. She has authored one book and 11 research and review articles in national and international journals. She has organized and participated in various workshops, conferences, FDP and ITP.

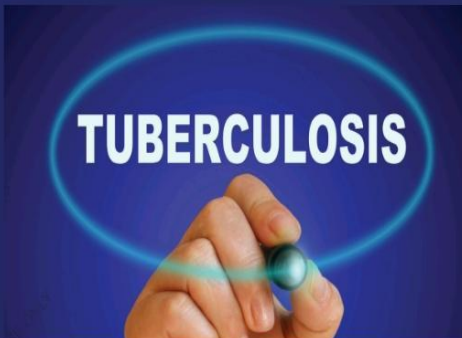
Naziya R. Patel
Rasha G. Desai
Snehal G. Tike


FAST DISSOLVING TABLETS CONTAINING SOLID DISPERSION OF NSAID
Formulation and evaluation





Lots of modifications have been made during last decades on Triazolone nucleus and their derivatives have been studied extensively for their biological activities. A survey of literature revealed that these Triazolone derivatives possess different types of potential biological activities that include Antioxidant, antifungal, antithrombotic, antibacterial, substituted aromatic aldehyde moiety with triazolone nucleus for the first time has been associated to be designed for biological activity. As Triazolone nucleus moiety possess potent anti-tubercular activity. From all the above foregoing facts it was thought and considered to be very interesting to synthesis new series of Triazolone derivatives fused with aromatic Aldehyde for anti-tubercular activity.







Prof. Pramod B. Patil: Working as Assistant Professor at Ashokrao Mane College of Pharmacy, Peth Vadgaon. He has an 11 Years of Academic experience and approved PG teacher of Shivaji University Kolhapur. He has guided 7 PG students and 44 UG Students for research projects. He has 6 International Publications on his name.

Pramod Patil
Poonam Chougule
Nitesh Chougule

Synthesis of N-Methyl triazolone derivatives as Antitubercular agent
Synthesis new series of Triazolone derivatives fused with aromatic Aldehyde for anti-tubercular activity





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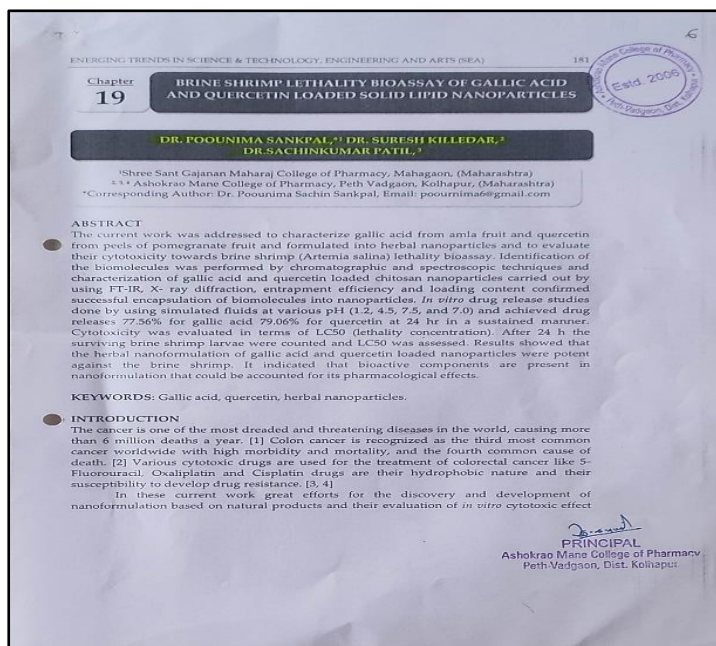
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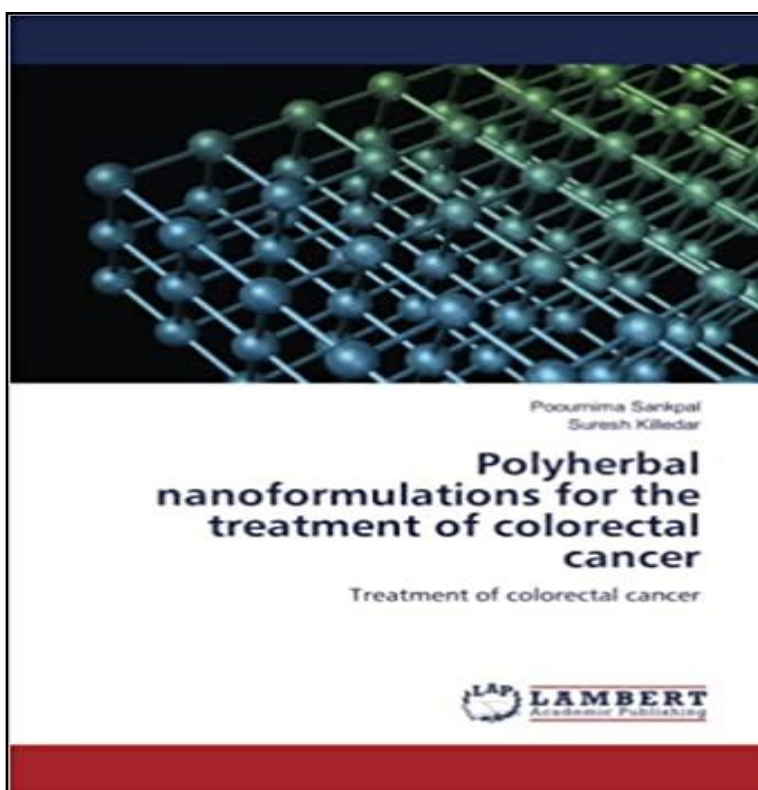
Ms. Aishwarya Prakash Bhosale
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has published a chapter titled **"ADVANCED TRENDS IN BIOTECHNOLOGY"** in the edited book **Futuristic Trends in Biotechnology, IIP Proceedings, Volume 2, Book 27, Part 4.**
 ISBN: 978-93-95632-88-1
 Publication Date : 01-November-2022

Nanjesh Bennur
 Director, IIP Proceedings



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Endophytes are major originators of new bioactive compounds with fascinating pharmacological activities. Here we have isolated, characterized, and screened endophytic bacteria of *Boerhaavia diffusa* Linn (BDEF) root for antioxidant and hepatoprotective activities. BDEF was isolated from the roots and grown in nutrient agar media aseptically. The grown bacteria was further fermented in nutrient broth and extracted using chloroform (CBD) and ethyl acetate (EABD). CBD and EABD were assayed for antioxidant activities by different methods. The highest inhibition was exhibited in EABD with IC50 level of 22.56 µg/ml for DPPH and 82.78 µg/ml for hydroxyl radical. Further, CBD and EABD were evaluated for antihepatotoxic activity against CCl4 induced hepatotoxicity. The results revealed that CBD and EABD at 200 mg/ kg p.o. restored the biochemical parameters, against CCl4 induced hepatotoxicity to the normal values. BDEF was studied for rDNA sequencing by polymerase chain reaction technique. The endophytic bacterium was identified as *Bacillus cereus* based on its morphological and molecular characterization. CBD and EABD fractions have exhibited antioxidant and hepatoprotective activity.



Poonam Chougule
Prakash Nargatti
Nilesh Chougule



Mrs. Poonam N. Chougule, working as an Assistant Professor at AMCP, Peth-Vadgaon. She was a Gold Medalist in M.Pharm (Pharmacognosy) from SET's COP, Dharwad. She is currently pursuing her Ph.D Pharmacy at PRIST University, Tamilnadu. She has 6 years of academic experience with 3 international publications and was awarded Faculty of the Year in 2021.

EVALUATION OF ENDOPHYTIC FRACTIONS OF BOERHAAVIA DIFFUSA L. ROOTS

FOR HEPATOPROTECTIVE ACTIVITY IN RATS



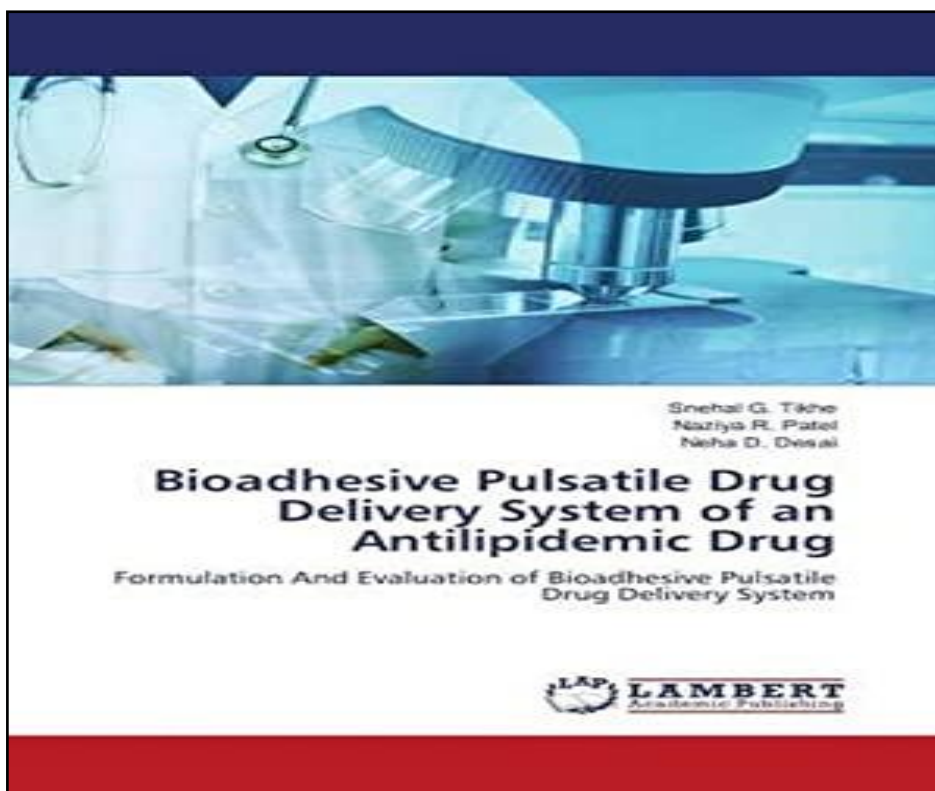
Neha D. Desai
Naziya R. Patel
Rani S. Dhole

Self Micro-Emulsifying Mouth Dissolving Film

Design, Development and Evaluation



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River Publishers

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Description:
 Over recent years a considerable amount of effort has been devoted, both in industry and academia, towards the incorporation of various macro, micro and nano sized fillers into polymers. There is also much interest in the evaluation of various polymer properties with respect to a wide set of applications. The advances in nanotechnology together with the development in material science has improved the shortcomings of these materials over the decade. This book covers the latest advances in the field of polymer nanocomposites and polymer composites for varied applications.

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- Nanostructured polymercomposites
- Bio-polymers
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The book is ideal for researchers and practitioners in polymer science and materials science as well as for graduate students in polymer chemistry, materials science, nanotechnology and biomedical engineering.

Keywords: polymer nanocomposites, polymer-nanoparticle interaction, energy storage devices, solar cells, food packaging, bio synthesized antimicrobial agents, therapeutics.

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Application of *Lepidium sativum* as an Excipient in Pharmaceuticals

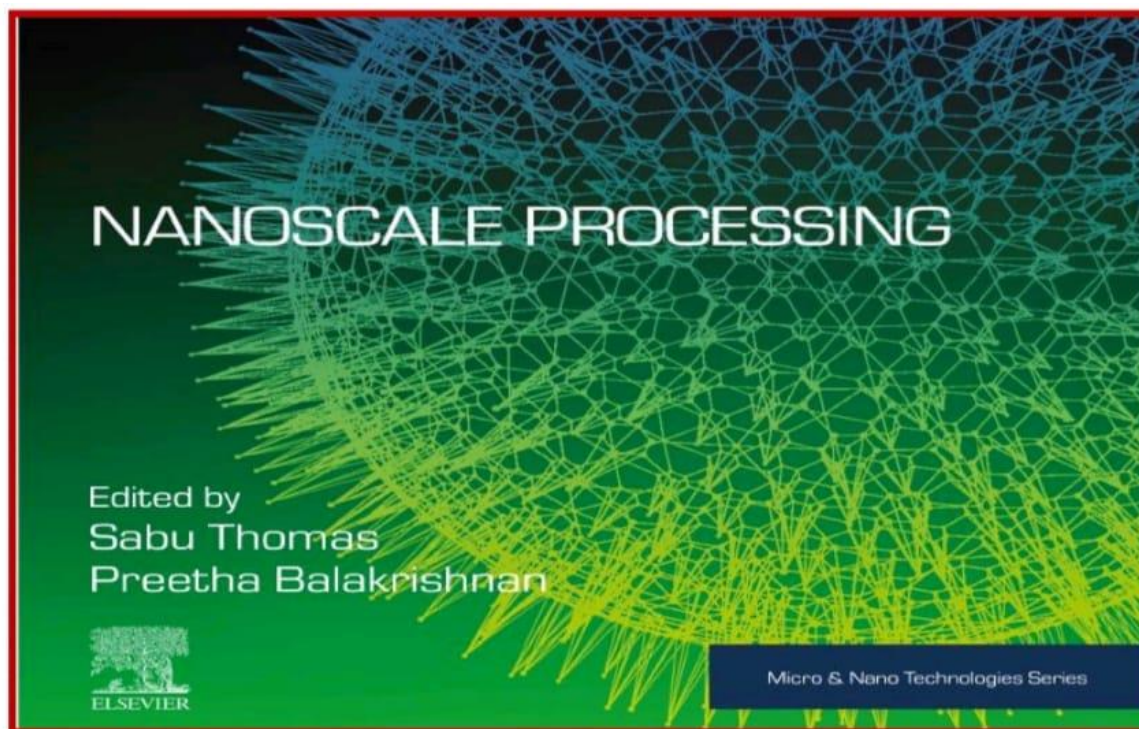
S. V. Sutar¹, S. S. Shelake¹, S. V. Patil³ and S. S. Patil²

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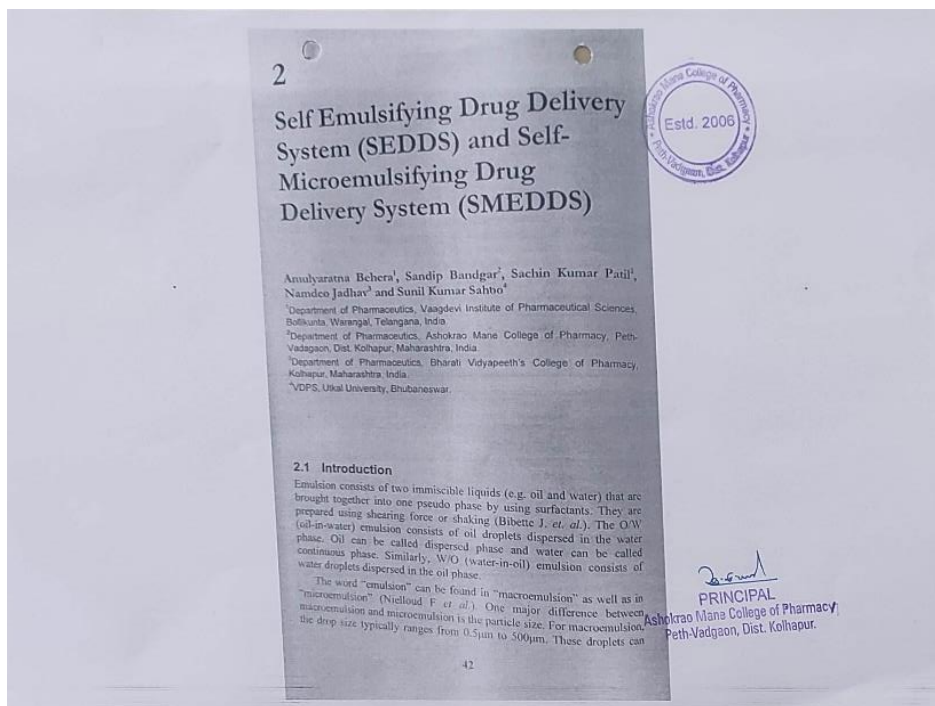


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Chapter contents

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Outline

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- 11.3. Recombinant polymers for drug delivery
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11 - Polymeric materials for targeted delivery of bioactive agents and drugs

Sachinkumar V. Patil *, Sardar S. Shelake †, Shitalkumar S. Patil †

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Abstract

In recent years, the application of polymeric materials for a targeted drug-delivery system has been greatly advanced. Since polymeric materials played a crucial role

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