



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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4	<u>Additional documents books and chapters in edited volumes/books published.</u>	30-37



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

<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p>Shri. Balasaheb Mane Shikshan Prasarak Mandal, Ambap's</p> <p>ASHOKRAO MANE COLLEGE OF PHARMACY</p> <p>Approved by PCI & AICTE New Delhi, DTE-Government of Maharashtra, Affiliated to Shivaji University, Kolhapur</p> <p>Peth Vadgaon Tal. Hatkanangale, Dist. Kolhapur (MH) PIN -416 112 Web: www.amcoph.org Phone: 0230-2471360 - 61 E mail: copbpharm@gmail.com</p> </div> </div>					
Sr. No.	Name of the Teacher	Title of the paper	Name of the Conference	National/ International	Affiliation institute
AY 2021-22					
1	Dr.S.B.Sutar	"Preparation and Evaluation of Nanoparticles from Natural Plant Extract"	Short invited talk at the First International Online Conference on Blends, Composites, BioComposites and Nanocomposites	International	AMCP, Peth-Vadgaon
2	Mrs. P. S. Sankpal	Formulation and evaluation of herbal nanoparticle for bioavailability enhancement	Emerging Challenges and Advances in Neurosciences Amity university Uttar Pradesh Lucknow campus	National	AMCP, Peth-Vadgaon
3	Mrs. P. S. Sankpal	Synthesis of herbal nanoparticles and their applications in the treatment of colorectal cancer	3 rd International Multidisciplinary Conference on Emerging Trends in Humanities, Commerce, Management, Science and Technology (IMCET-2021)	International	AMCP, Peth-Vadgaon
4	Dr.S.B.Sutar	Kinetic Study of Melatonin By Validated Stability Indicating HPTLC METHOD	International Conference on Emerging Trends in Drug Discovery and Development (ICETD3-2022)	International Presentation	AMCP, Peth-Vadgaon
5	Ms. S. S. Suryawanshi	Formulation and Evaluation of Ointment containing aqueous extract of <i>Quisqualis indica</i> Linn Leaves"	Cytogenetics, in vitro Culture and Phytochemistry of Plants and Microbes for Sustainable Use	Oral Presentation	AMCP, Peth-Vadgaon
6	Dr.S.B.Sutar	Structure Elucidation of Degradation Products of Drospirenone by using Stability Indicating HPTLC Method" during Indo-Caribbean Virtual International Symposium	APP Indo-Caribbean Virtual International Symposium	International Orator	AMCP, Peth-Vadgaon

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7	Ms. Aishwarya Prakash Bhosale	Artificial Intelligence	ANationalLevelE-PosterCompetitionforPharmaFacultyorganizedbyAshokraoManegroupofPharmacyCollegesin collaborationwith AssociationofPharmaceutical TeachersofIndia(APTI).	E-Poster	AMCP, Peth-Vadgaon
8	Ms. S. S. Suryawanshi	New Education Policy	ANationalLevelE-PosterCompetitionforPharmaFacultyorganizedbyAshokraoManegroupofPharmacyCollegesin collaborationwithAssociationofPharmaceutical TeachersofIndia(APTI).	National Poster Presentation	AMCP, Peth-Vadgaon
9	Ms. S. S. Suryawanshi	Role of Tinispora cordifolia in boosting immune system	PRIP INNOVATE- 5 "Individual and Institutional Measures to Enhance the Effective use of Plants as Nutraceuticals	National Poster Presentation	AMCP, Peth-Vadgaon
10	Dr.S.B.Sutar	Forced degradation studies of drospirenone and in silico toxicology predictions for its new designated impurities	Global Conference on Pharmaceutics and Novel Drug Delivery Systems" Magnus Group Conferences and Organizing Committee	Invited Talk at International Conference	AMCP, Peth-Vadgaon
11	Mrs. Poonam Nilesh Chougule	Extraction, Isolation, Regioselective conversion followed by characterization of Escin: Principle active compound from Horse Chest Nut Seeds	NCMR 2022, PRIST University, Tamilnadu	Presentation	AMCP, Peth-Vadgaon
12	Ms. S. S. Suryawanshi	Formulation of Transdermal Patch of Diclofenac Sodium	International Conference (Online) on "Biomolecules to Biome"	International Conference (Online)	AMCP, Peth-Vadgaon
13	Ms. P. P. Patil	Antioxidant potential of polyherbal formulation – In vivo study	International Conference on Biomolecules to Biome held on August 24-25, 2022	International	AMCP, Peth-Vadgaon
14	Dr.S.B.Sutar	Forced Degradation Behavior of Melatonin: Isolation and Characterization of	3rd International Conference on Social Science, Management, And Technology In Covid Era organized by Indian Academicians and Researchers	International	AMCP, Peth-Vadgaon

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		Degradation Products	Association in association with Institute for Scientific Research and Development (ISRD),		
AY 2020-21					
15	Dr.S.B.Sutar	Design, Development and Optimization of Afatinib Solid Lipid Nanoparticles Using Hot Homogenization Followed by Solvent Emulsification Method	Gdansk University of technology, Poland. MGM University, Kerala	International Online Conference	AMCP, Peth-Vadgaon
16	Dr.S.A.Bandgar	Multiple Emulsions for the Co-delivery of Simvastatin and Alendronate Sodium: Improvement in Pharmacokinetic Profile and Oral Therapeutic Efficacy.	First International Online Conference on Blends, Composites, Bio-composites and Nanocomposites (ICNC-2020)	International	AMCP, Peth-Vadgaon
17	Mrs. P. S. Sankpal	Colon Available Bioactive Compounds Exhibit Anticancer Effect on In-vitro Models of Colorectal Cancer	Geetanjali College of pharmacy, Telangana	State level	AMCP, Peth-Vadgaon
18	Dr.S.B.Sutar	Simultaneous determination of melatonin impurities by an HPLC method coupled with diode array detection	RAKCOPS-ICDD 2021 e-Conference	International Online Conference	AMCP, Peth-Vadgaon
AY 2019-20					
19	Dr.S.B.Sutar	Structure Elucidation of Oxidative Stress Degradation Product of Drospirenone	CRC Pharma LLC, New Jersey USA.	International	AMCP, Peth-Vadgaon
20	Dr.S.B.Sutar	Degradation Kinetic study of Melatonin in Alkaline and Acidic Medium by Validated Stability Indicating HPTLC Method	Indo-African Conference at Nootan College of Pharmacy, Narsinhgaon, Kavathemahankal, Sangli, Maharashtra	International	AMCP, Peth-Vadgaon
21	Kartikeyan M.	Anti-proliferative and apoptosis induction	71 Indian Pharmaceutical Congress, held at Sri	National	AMCP,

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		potentials of cynanchum callalatum on MCF cancer cell lines and in vivo models	Ramchandra Institute of higher education and research, Chennai Tamilnadu 20 th -22 nd Dec.2019		Peth-Vadgaon
22	Deepa MK	Targeted herbal nano particles for the treatment of colorectal cancer	71 Indian Pharmaceutical Congress, held at Sri Ramchandra Institute of higher education and research, Chennai Tamilnadu 20 th -22 nd Dec.2019	National	AMCP, Peth-Vadgaon
23	Ms.N.D.Desai	Irritancy screening of various formulations by using hens egg test chorioallantoic	Avishkar 2019-20 Shivaji University, Kolhapur	State	AMCP, Peth-Vadgaon
24	Dr.S.A.Bandgar	Mixed Micelles preparation for Co-delivery of Simvastatin and Alendronate Sodium: In-Vitro Anticancer activity.	2019-2020 Organized by Department of Technology, Shivaji University, Kolhapur	University Level	AMCP, Peth-Vadgaon
25	Dr.S.B.Sutar	Stability Indicating Studies And Characterization of Degradation Product of Drospirenon	2019-2020 Organized by Department of Technology, Shivaji University, Kolhapur	University Level	AMCP, Peth-Vadgaon
26	Dr.S.A.Bandgar	Mixed Micelles preparation for Co-delivery of Simvastatin and Alendronate Sodium: In-Vitro Anticancer activity.	Avishkar Research Convention University of Mumbai	State Level	AMCP, Peth-Vadgaon
27	Dr.S.B.Sutar	Forced degradation and stability studies of Drugs	Lead college, Bharati Vidyapeeth College of Pharmacy, Kolhapur.	University Level	AMCP, Peth-Vadgaon
AY 2018-19					
28	Mr.V.M. Patil	In – Vitro Antiulcer activity of plant extract of eleusine indica	Indian Pharmaceutical Congress at Delhi	National	AMCP, Peth-Vadgaon
29	Mr.Rajanikant B. Ghotane	Method Development and Validation of RP-HPLC Method For Estimation of Drotaverine Hydrochloride and	Indian Pharmaceutical Congress at Delhi	National	AMCP, Peth-Vadgaon

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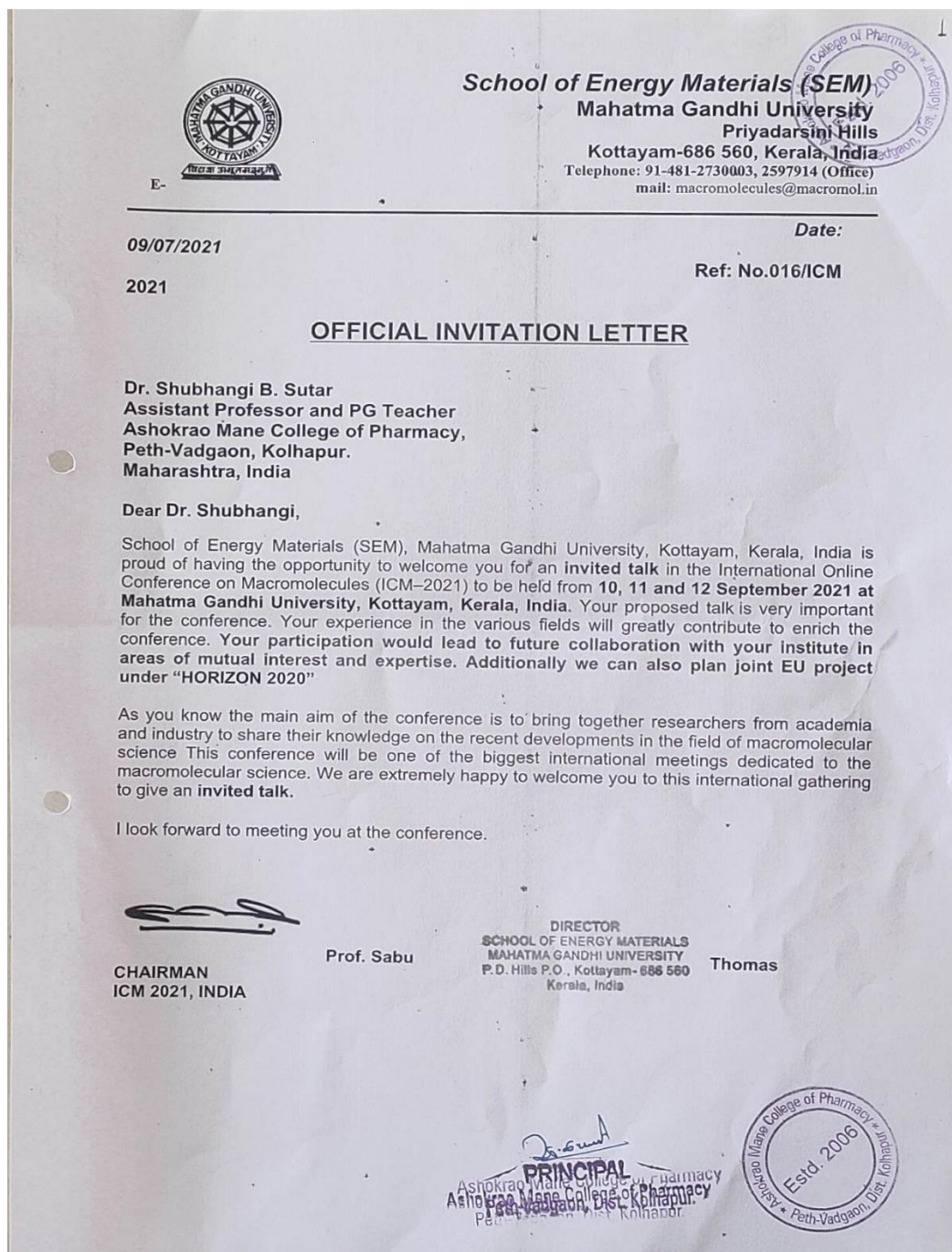


		Omeprazole From its Tablet Formulation			
30	Dr.S.A. Bandgar	Design, Development and Characterization of Solid Lipid Nanoparticles of Prazosin by Hot Homogenization method	Indian Pharmaceutical Congress at Delhi	National	AMCP, Peth-Vadgaon
31	Ms.P.J.Gaikwad	RP HPLC Method for degradation study of Lornoxicam	Avishkar 2018 Shivaji University	State	AMCP, Peth-Vadgaon
32	Dr.S.B.Sutar	"Phytochemical Investigation of Eleusine Species Anthelmintic And Antioxidant Activities	2018-19(Central) Research Scholar Category, Agriculture Shivaji University, Kolhapur	University	AMCP, Peth-Vadgaon
33	Dr.S.B.Sutar	"Spectrophotometric And Rp-HPLC Method Development and Validation for Estimation Of Melatonin"	International Seminar on Trends in Pharmacy Practice 4 th 5 th Jan 2018 organized by Dr. D. Y. Patil Pharmaceutical Sciences and Research	International Seminar	AMCP, Peth-Vadgaon
34	Ms.P.P.Patil	"Development Of UV-Spectrophotometric Method for The Anti-Cancer Drugs in Pure and Dosage Form"	International Seminar on Trends in Pharmacy Practice 4 th 5 th Jan 2018 organized by Dr.D.Y.Patil Pharmaceutical Sciences and Research	International Seminar	AMCP, Peth-Vadgaon
35	Dr.S.B.Sutar	"Phytochemical Investigation of Eleusine Species For Anthelmintic And Antioxidant Activities	Inter-University Research Convention Avishkar 2018 at Gondwana University, Gadchiroli	University	AMCP, Peth-Vadgaon
AY 2017-18					
36	Dr.S.A.Bangar	Antiurolithiatic effect of Canna Indica L	Avishkar 2017-18(Central) Agriculture Shivaji University, Kolhapur	University	AMCP, Peth-Vadgaon

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Additional documents of Papers published in national/ international conference proceedings.



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mail.google.com/mail/u/0/?tab=rm&ogbl=search/PREPARATION+AND+OF+NANOPARTICLES+FROM+NATURAL+FM...
PL-Plenary Lecture, 11:30-11:50 AM, 11:50-12:10 PM, 12:10-12:30 PM, 12:30-12:50 PM

MODIFIED FINAL PROGRAMME ICM 2023.docx

IL 22	11.30-11.50	Mechanical and thermal behavior of foamed epoxy concrete mix with fly ash as filler Prakash Chander Thapliyal CSIR-Central Building Research Institute, Roorkee, Uttarakhand, India Polymers in Construction
IL 23	11.50-12.10	Nanoparticles (Chairperson : Ramchandra T Sapkal, T C College Baramati, India & Asha Patel, Parul University, Gujarat, India) Shubhangi B. Sutar Ashokrao Mane College of Pharmacy, Peth-Vadgaon, Kolhapur, Maharashtra, India Design, Development and Optimization of Aftanib Solid Lipid Nanoparticles Using Hot Homogenization Followed By Solvent Emulsification Method
IL 24	12.10-12.30	Sujit Kumar Ghosh Department of Chemistry, Assam University, Assam, India Shape-Selective Gold Nanostructures in Plasmonic Sensing
IL 25	12.30-12.50	Ramya Devi Dural Dept. of Pharmacy, School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur, Tamil Nadu, India Effect Of Polymers On The Design Of Nanoparticles And Hydrogels Of An Anticancerous Molecule, Elavazh

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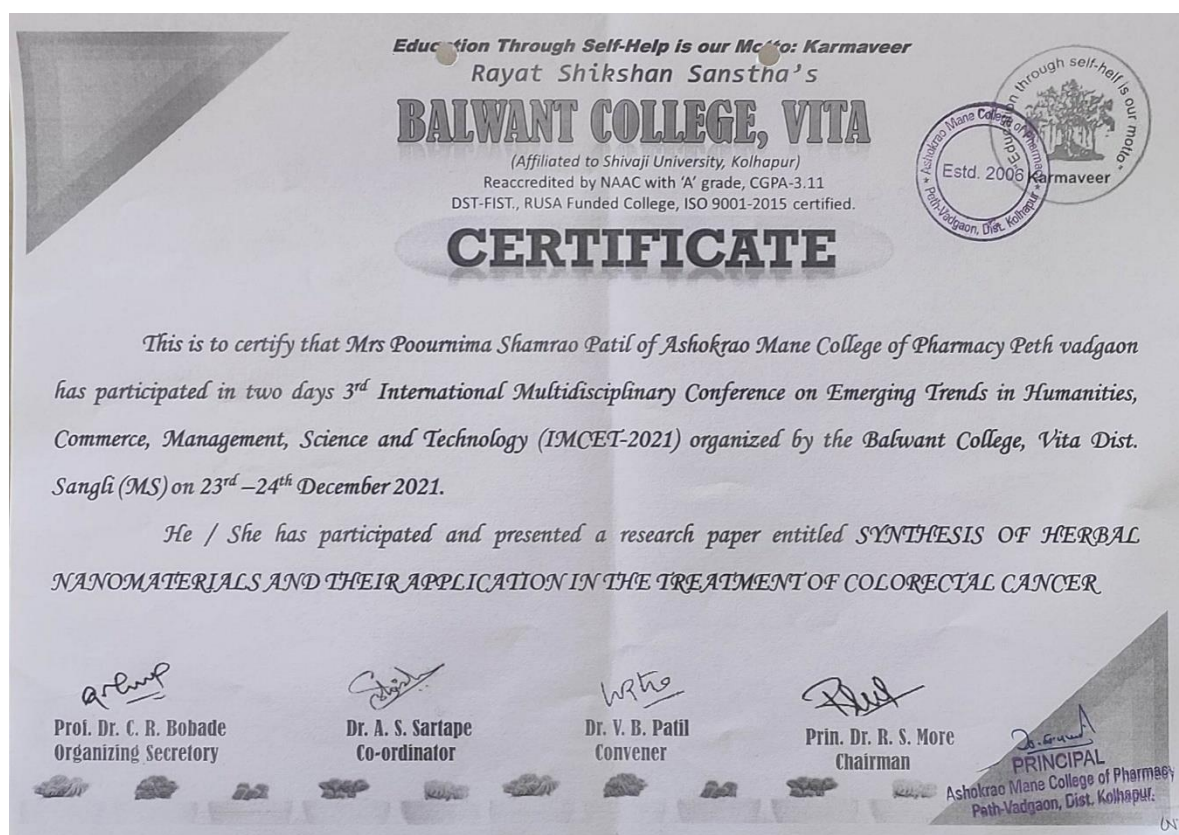
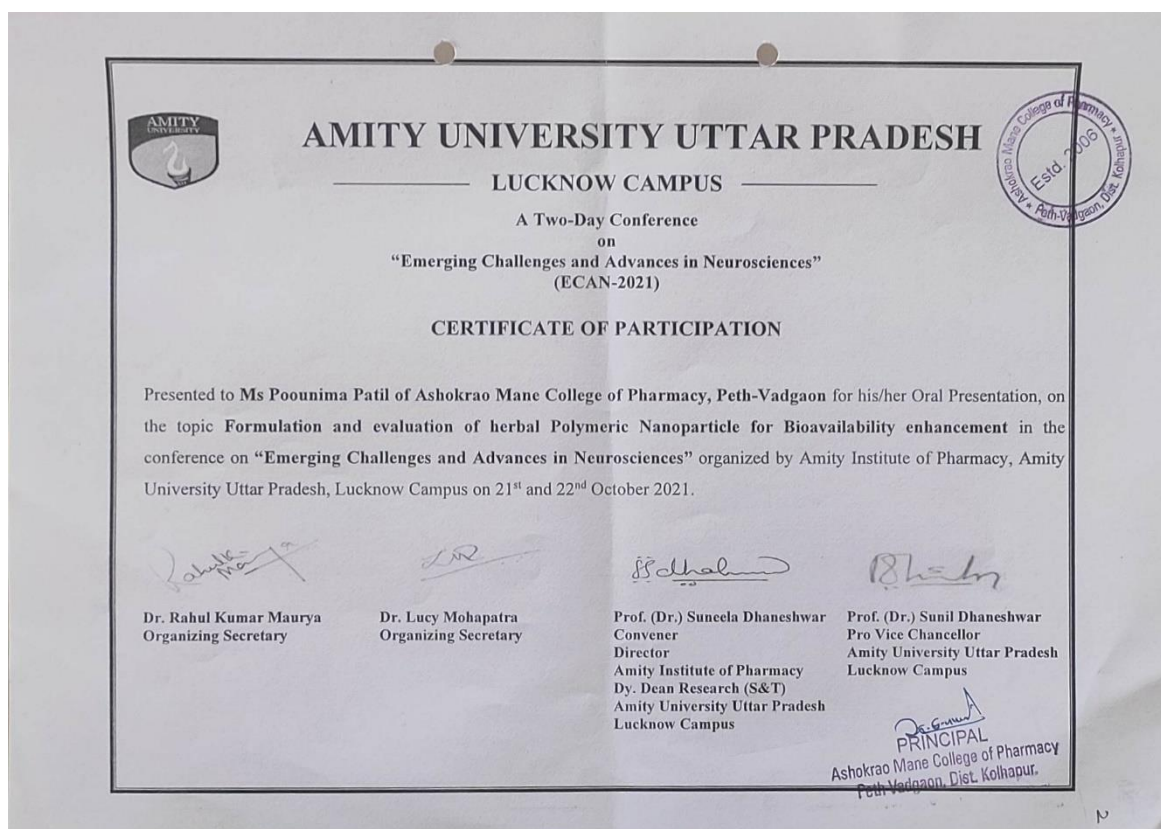
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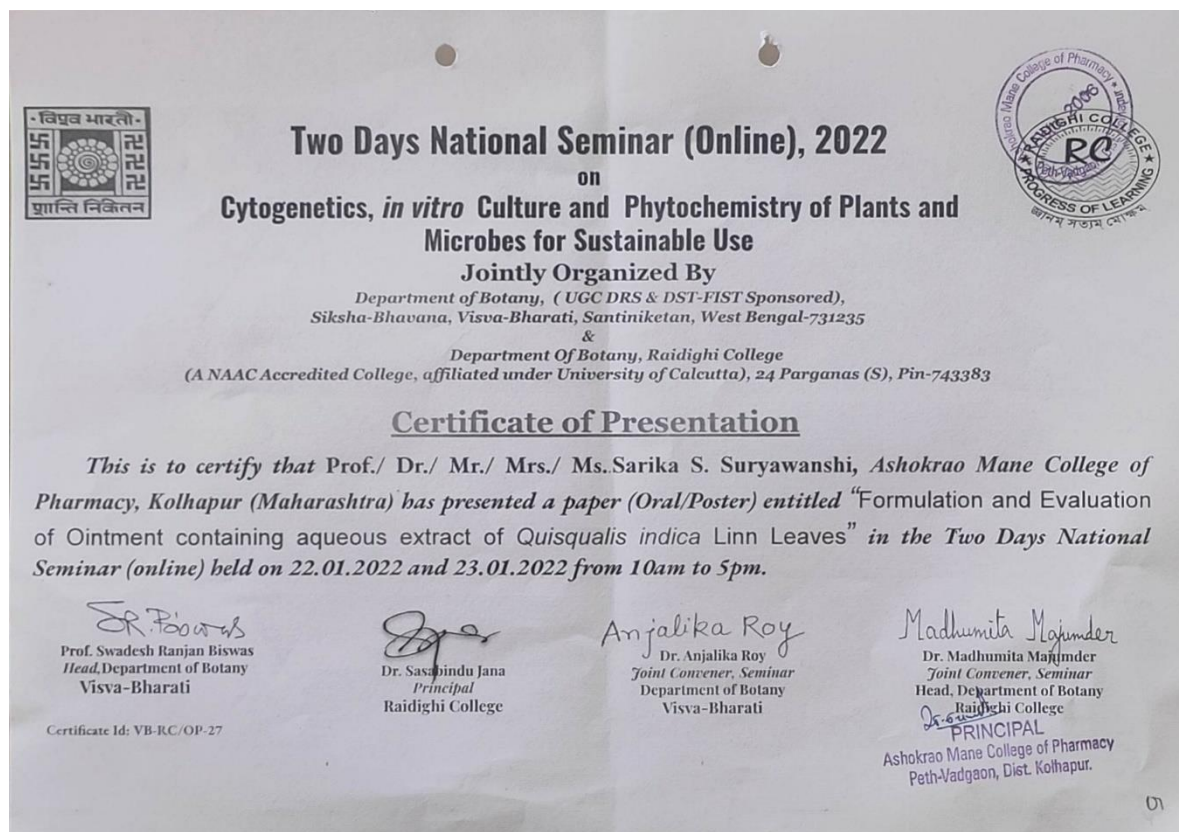
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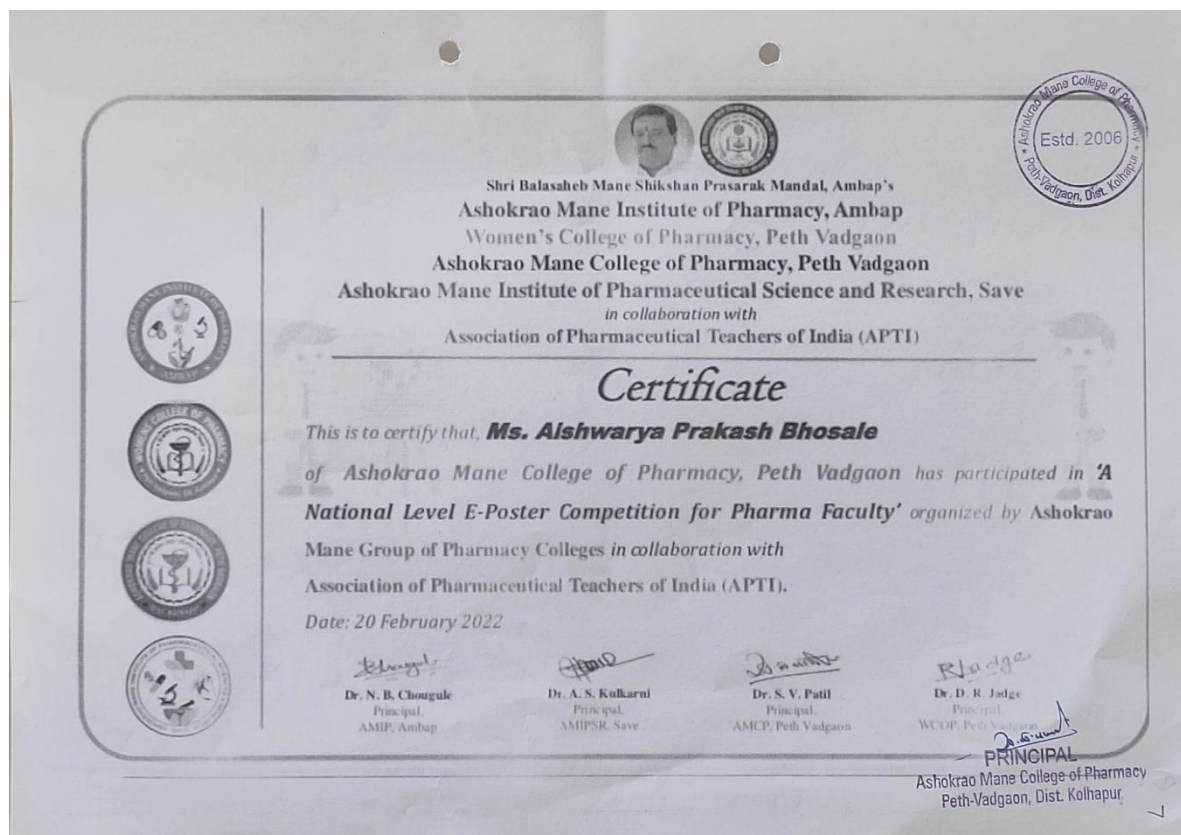
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PRINCIPAL
Ashokrao Mane College of Pharmacy
Peth-Vadgaon, Dist. Kolhapur.

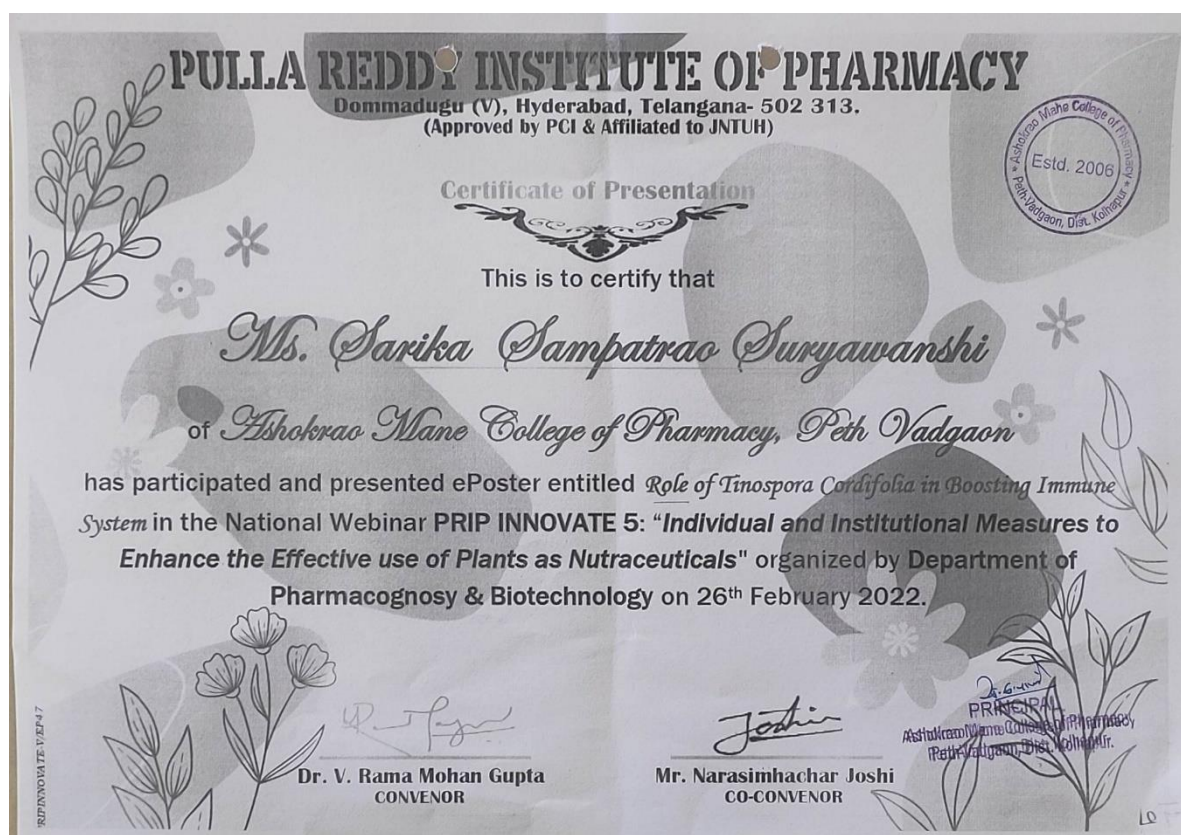
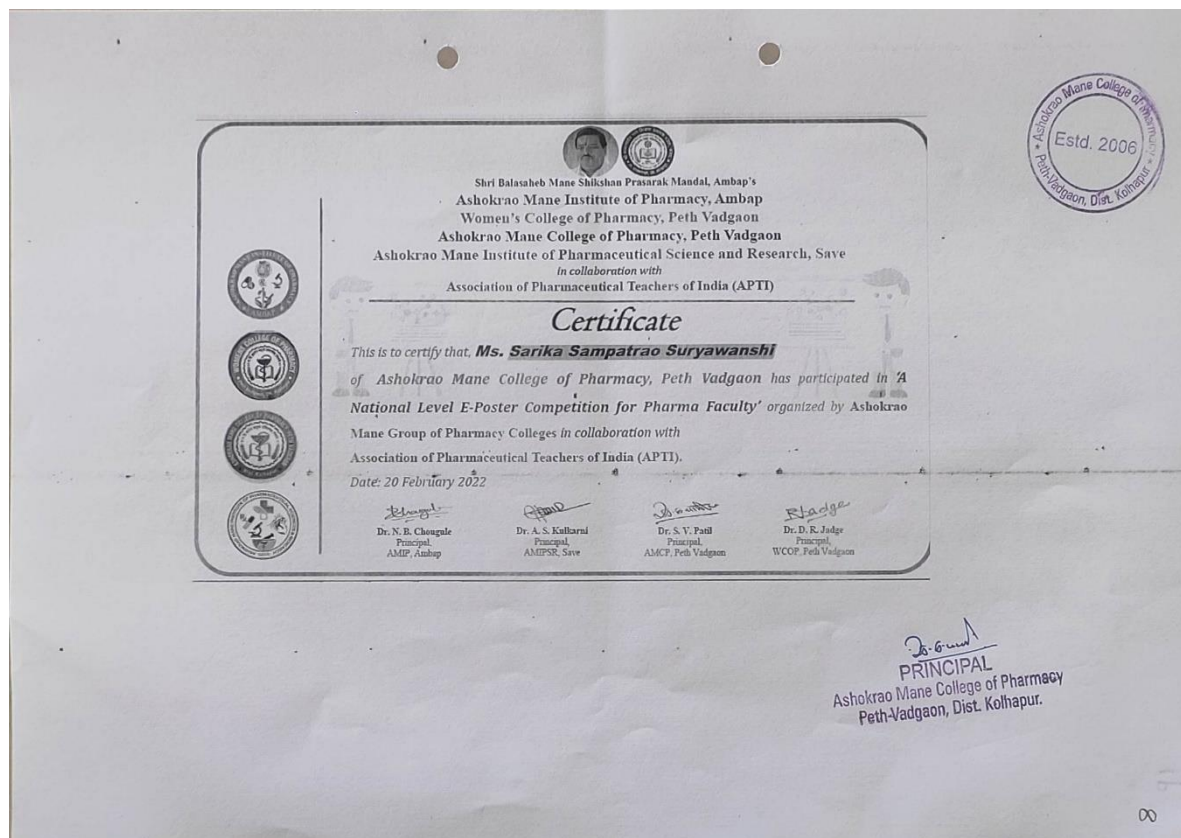
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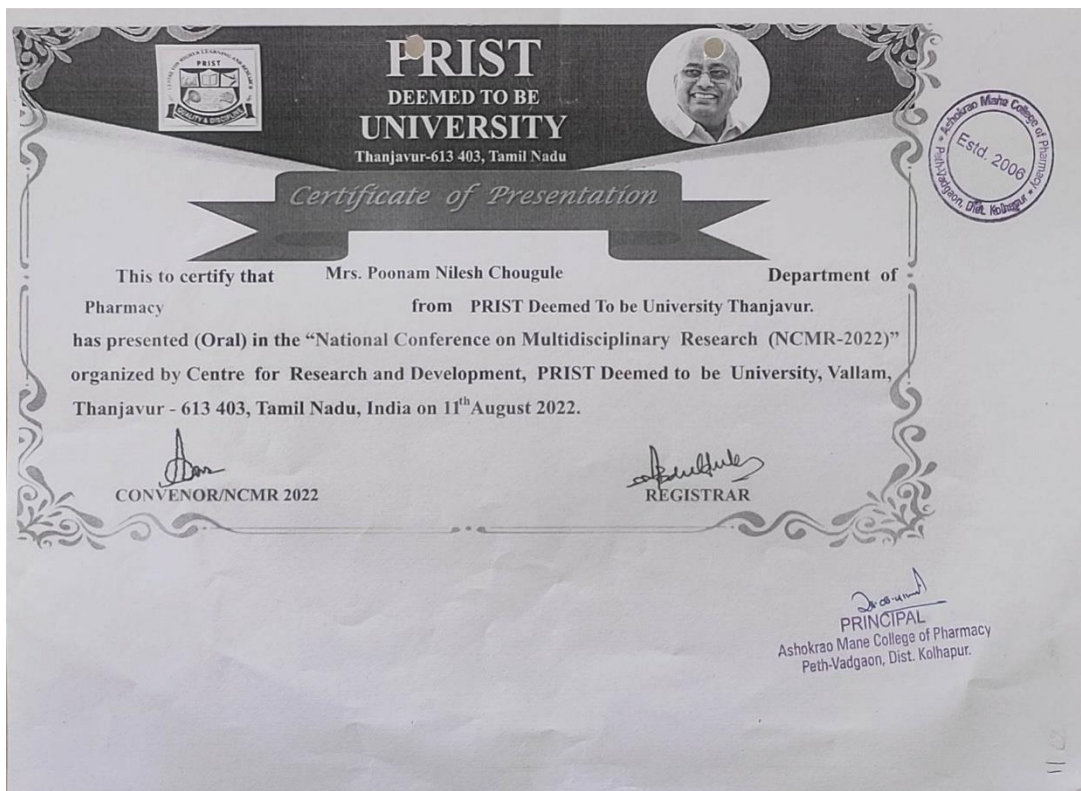
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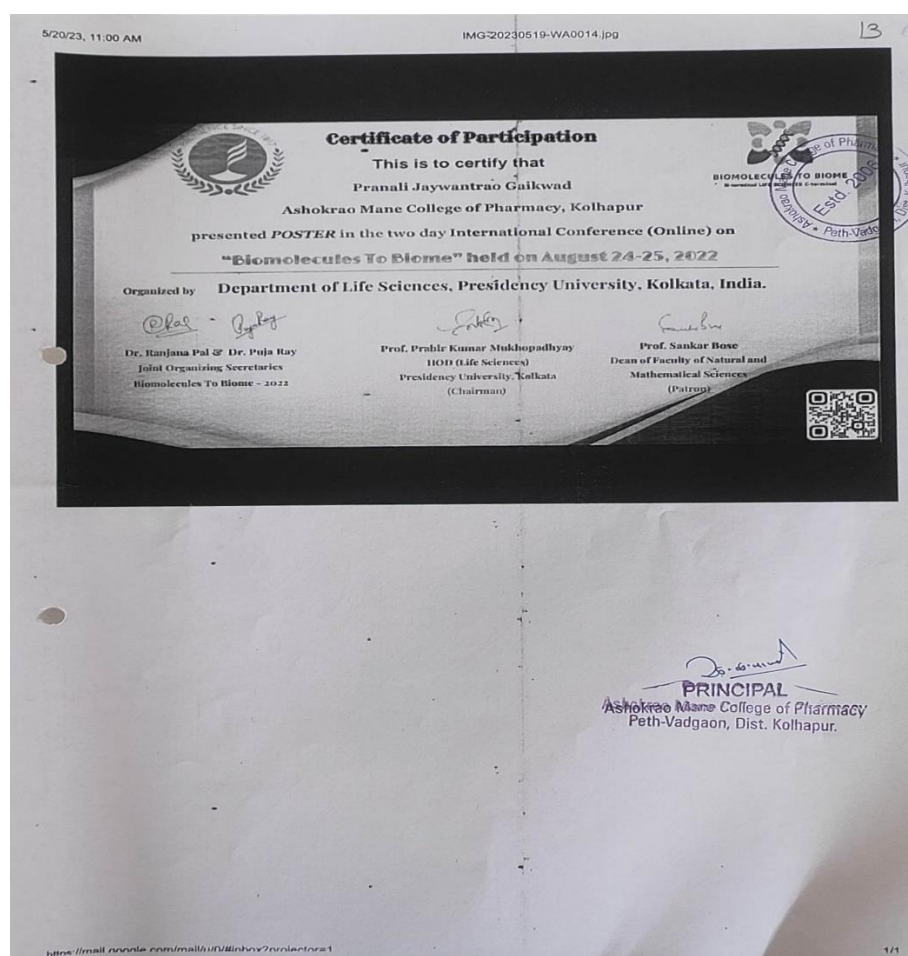

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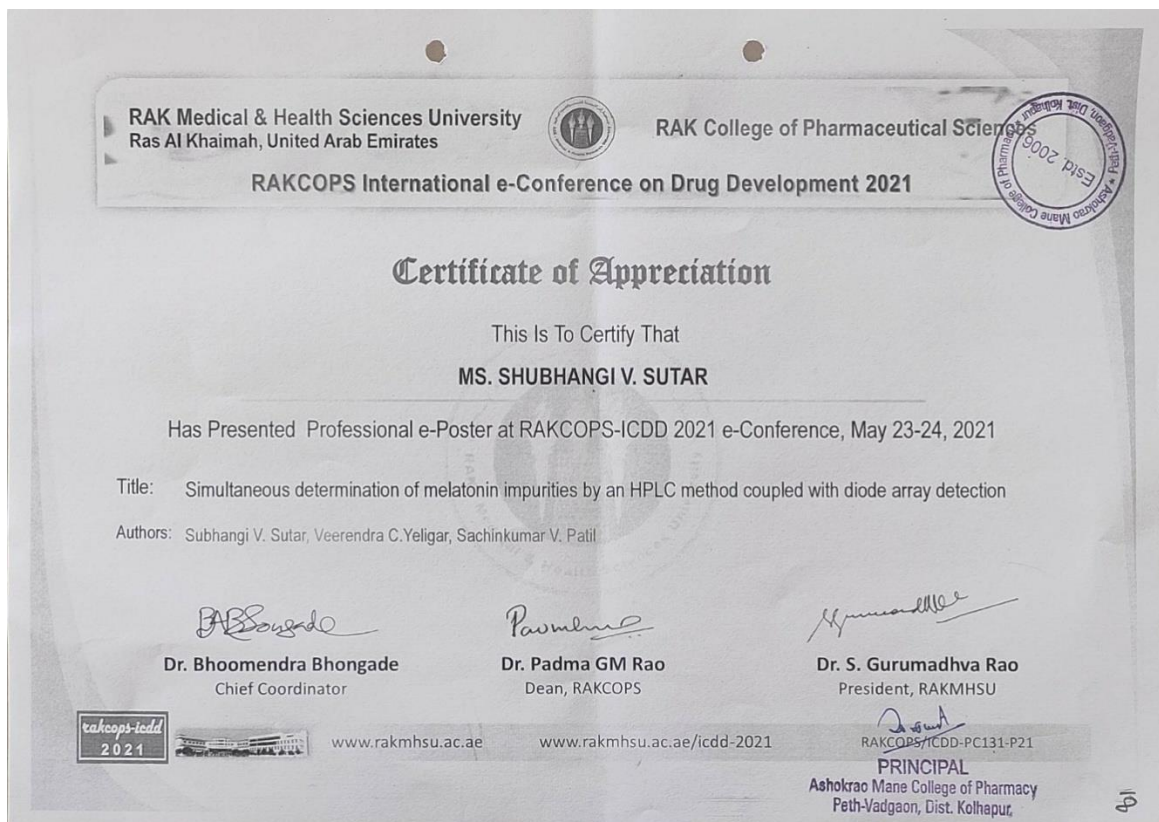

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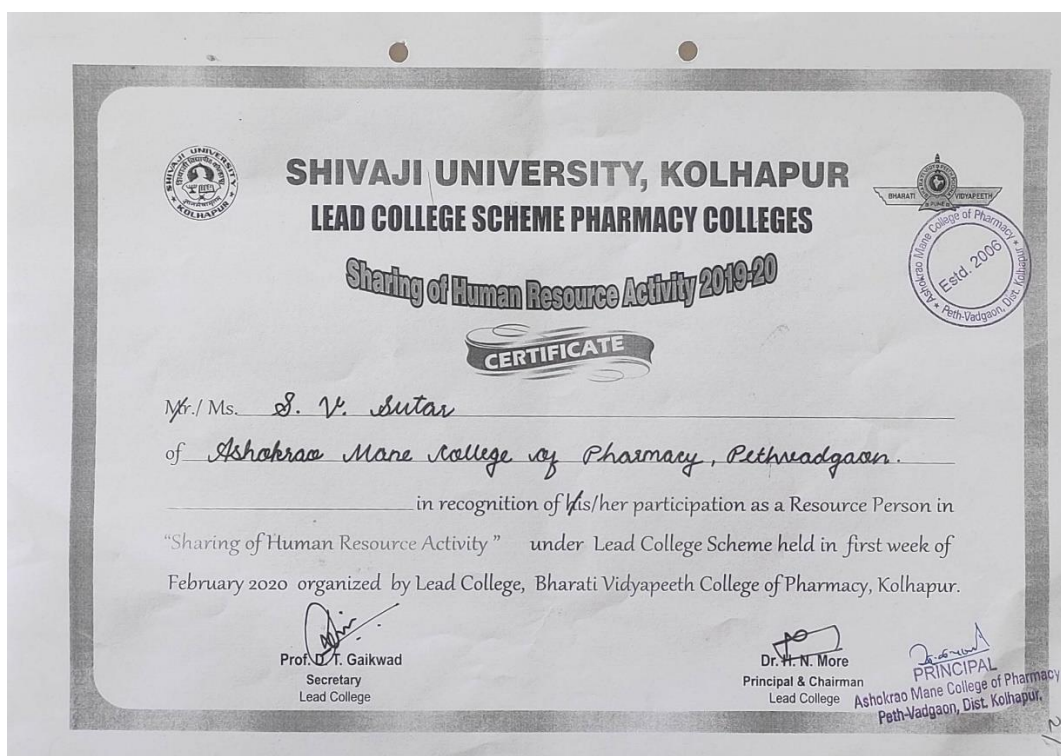

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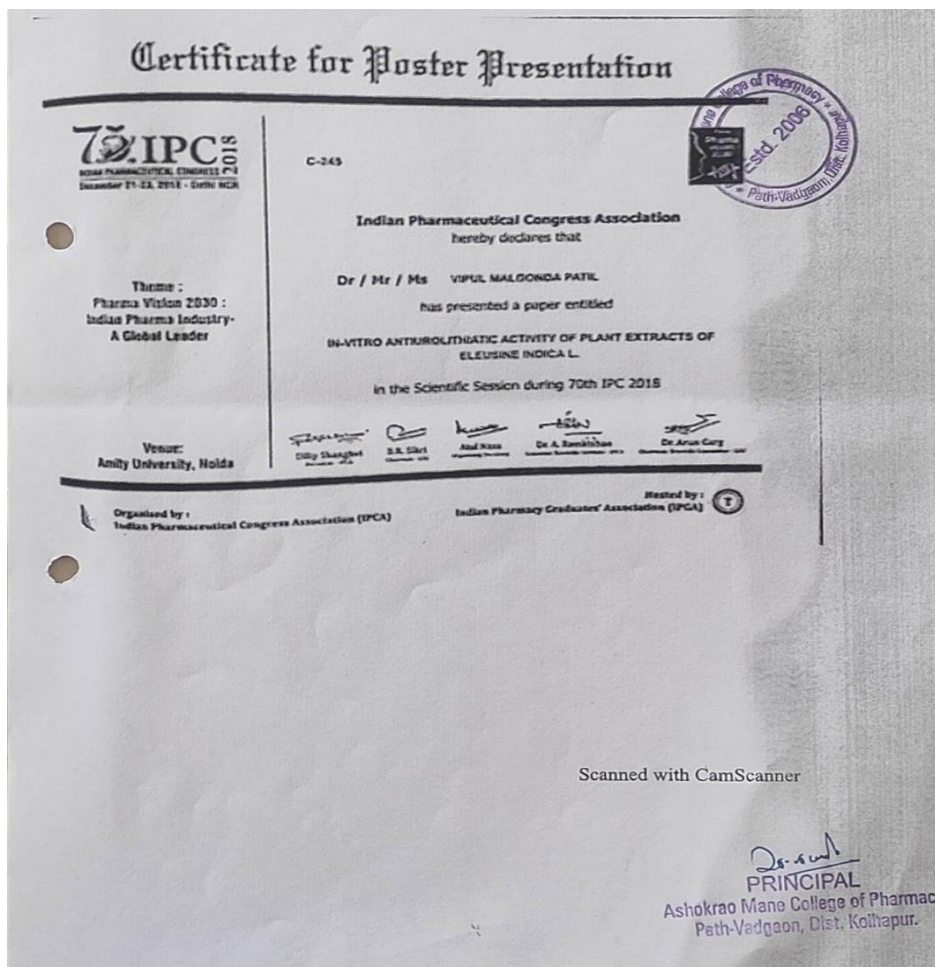

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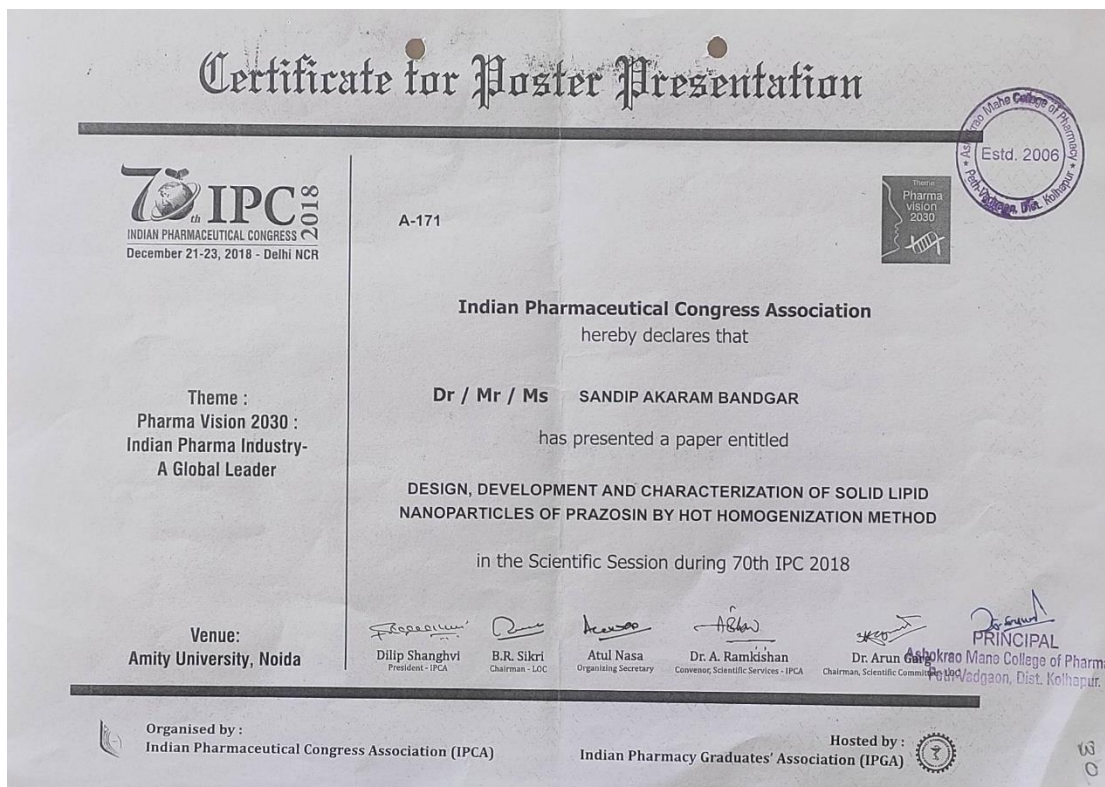

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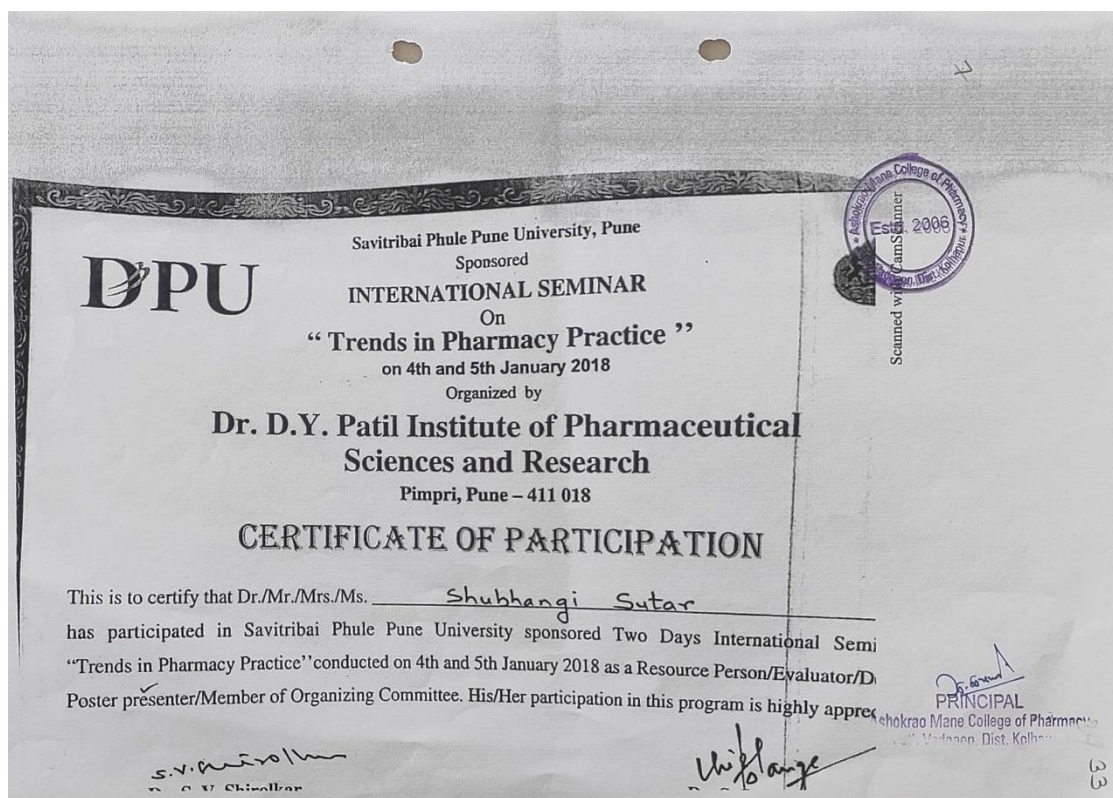
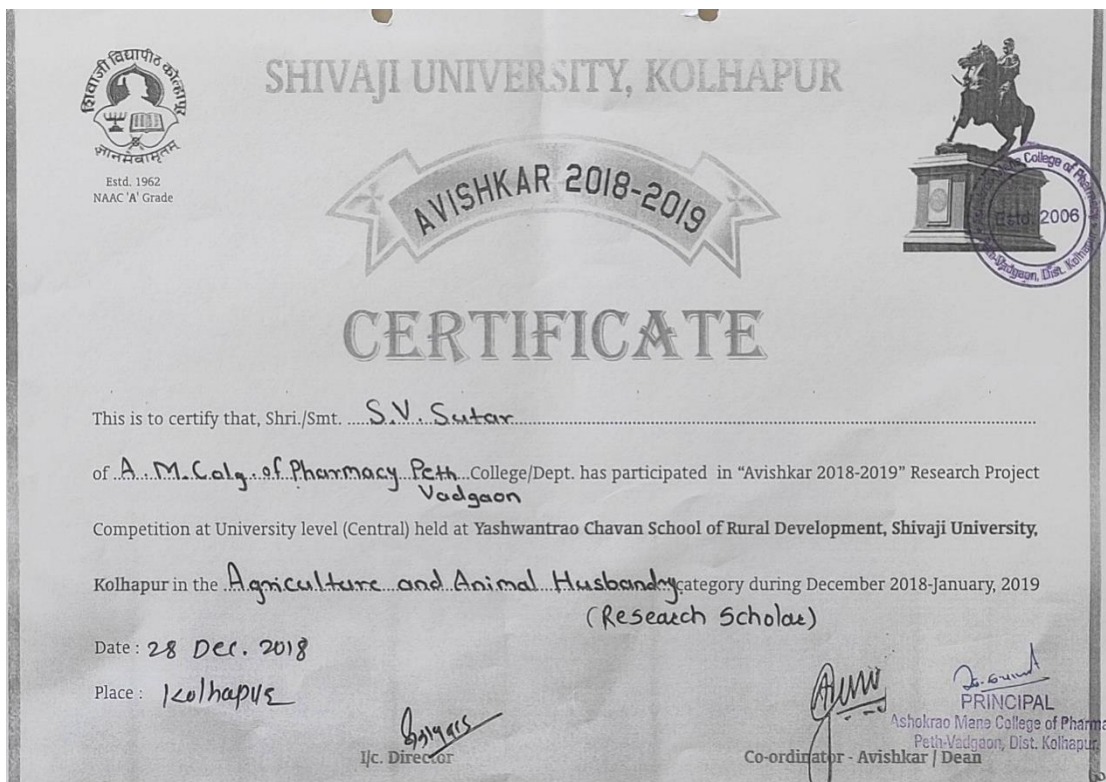

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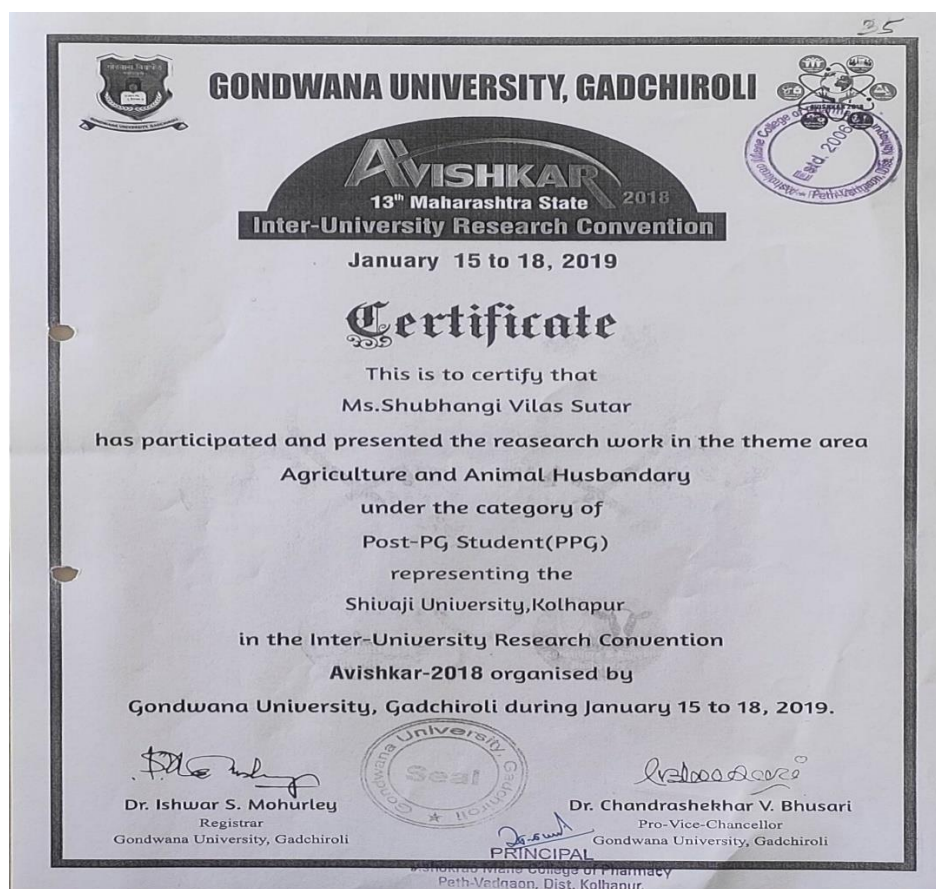
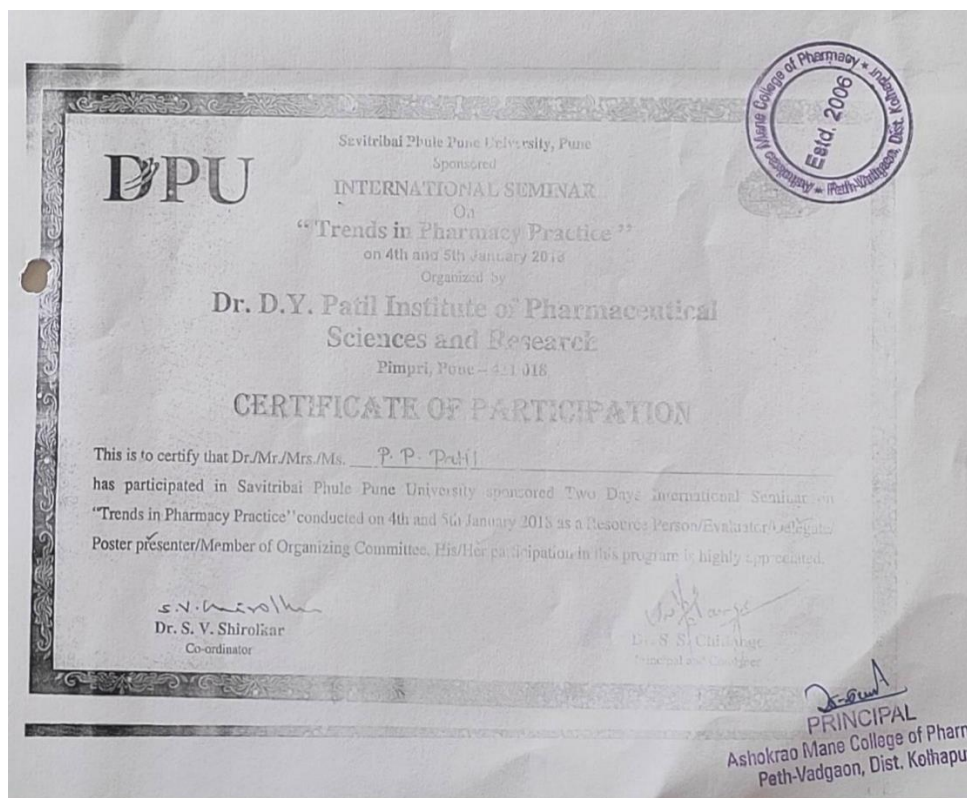
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Summary of books and chapters in edited volumes/books published.



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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
1	Mrs. Poonam Nilesh Chougule	Textbook of Pharmacognosy as per ER2020 PCI Syllabus.	2022	9789392159664
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)
3	Ms. Naziya Rafiq Patel	Fast dissolving tablets containing solid dispersion of NSAID.	2022	9786204749303
4	Mrs. Poonam Nilesh Chougule	Synthesis of N-methyl triazolone derivatives as Anti-tubercular agent.	2022	9786204979502
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
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
7	Dr. Mrs. P. S. Sankpal	Polyherbal nanoformulations for the treatment of colorectal cancer	2022	ISBN: 9786204982038
8	Dr. Mrs. P. S. Sankpal	Design, Development and Characterization of herbal nanoparticles	2022	ISBN: 97862049983448
9	Neha D. Desai	Self Micro-emulsifying mouth dissolving film	2022	9786204752211
10	Ms. Neha Desai	Bioadhesive pulsatile drug delivery system of an antilipidemic drug	2022	978-620-474975-4
11	Mrs. Poonam Nilesh Chougule	Evaluation of endophytic fraction of Boerhavia diffusa L. root. For Hepato-protective activity	2021	9786204205403

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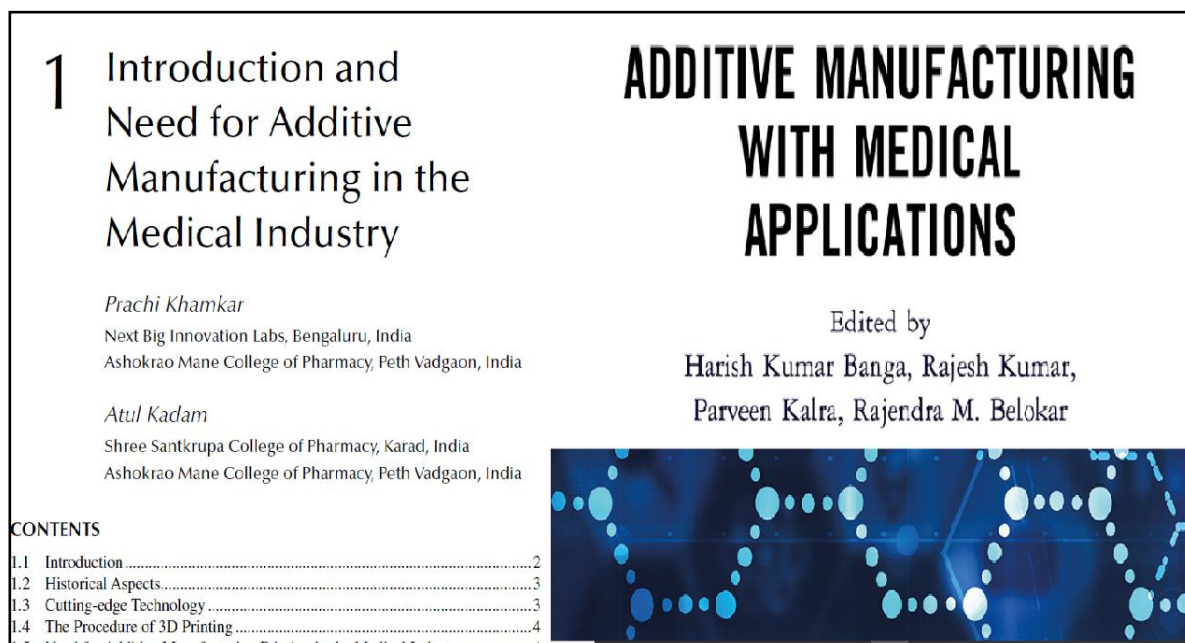
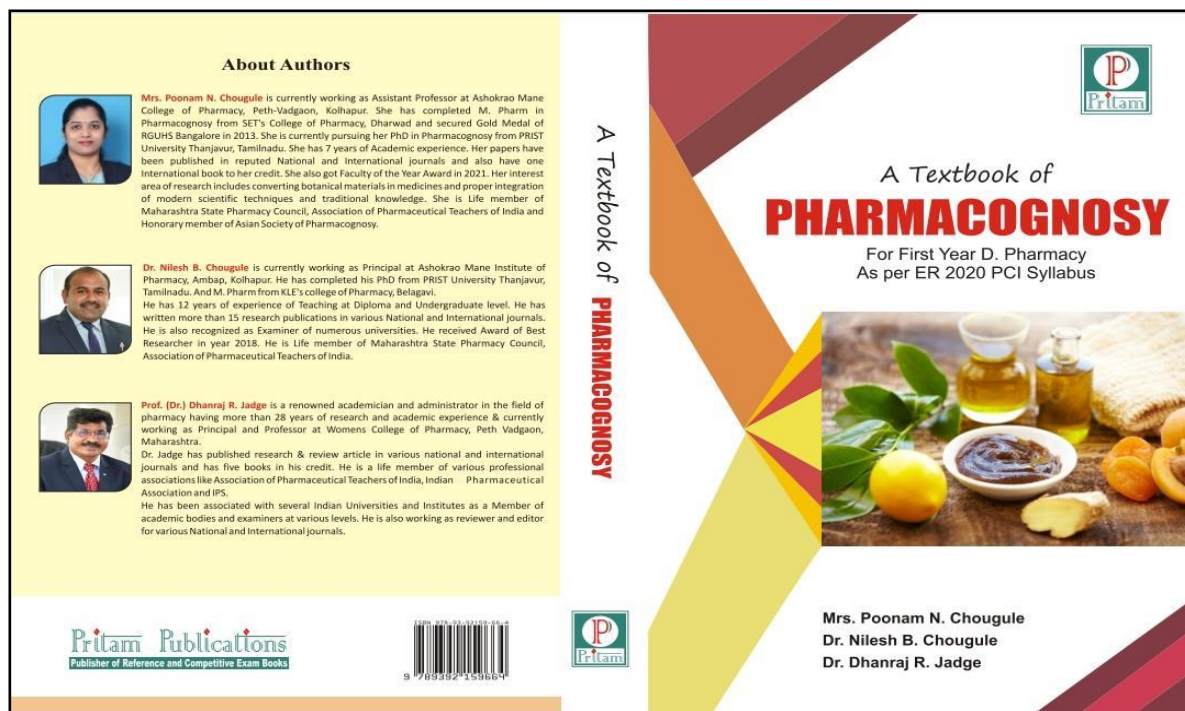
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		in rats.		
12	Dr.S.B.Sutar	Application of Lepidium sativum as an Excipient in Pharmaceuticals	2021	9781003337058
13	Dr.S.A.Bandgar	Chapter 13-Nanostructures for antimicrobial therapy	2021	978-0-12-820569-3
14	Dr.Sandip Bandgar, Dr.Sachinkumar Patil, 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
15	Dr.Sachinkumar V. Patil	11 - Polymeric materials for targeted delivery of bioactive agents and drugs	2018	6/4/2018, Pages 249-266

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



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

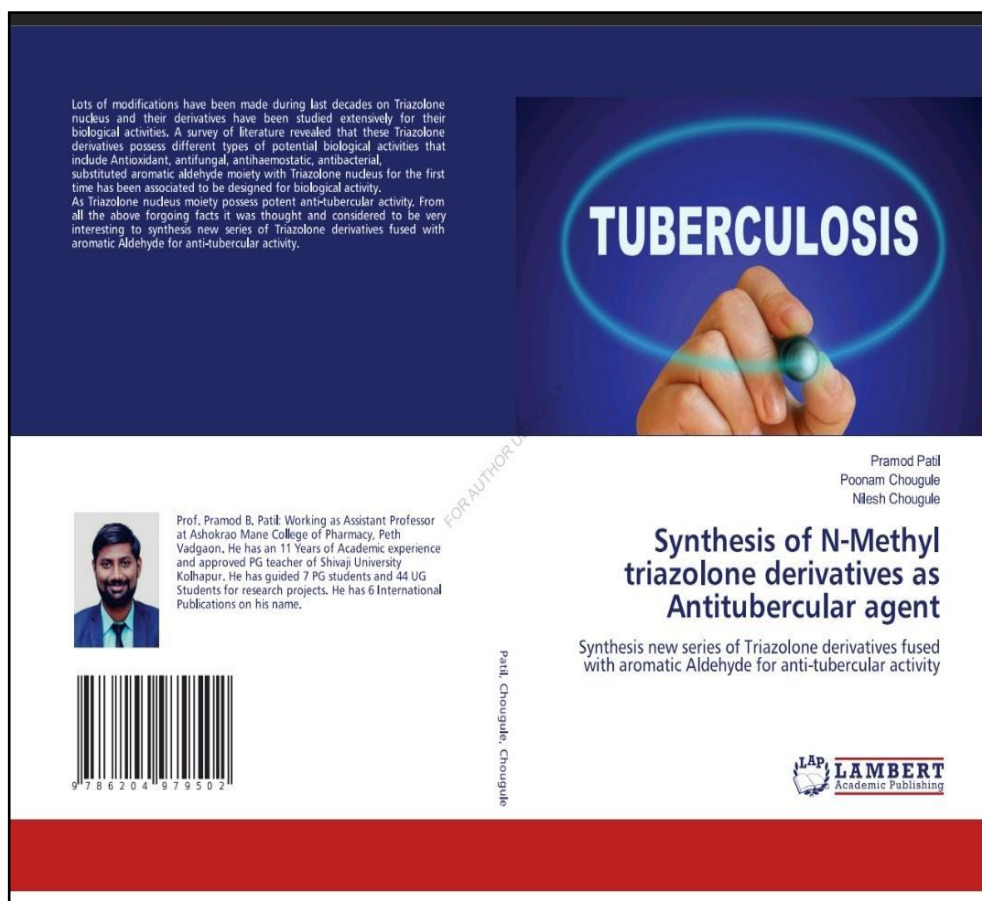
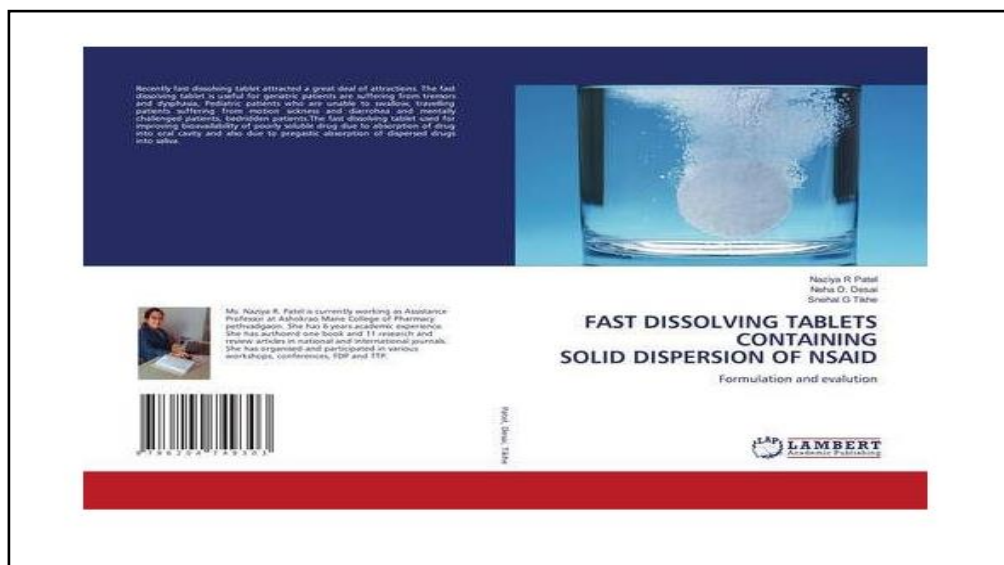
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Shree Santkrupa College of Pharmacy, Karad, India
Ashokrao Mane College of Pharmacy, Peth Vadgaon, India

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This is to certify that

Ms. Aishwarya Prakash Bhosale

Assistant Professor,
Department of Pharmacognosy
Ashokrao Mane College of Pharmacy,
Peth-Vadgaon - 416112 Kolhapur, Maharashtra, India

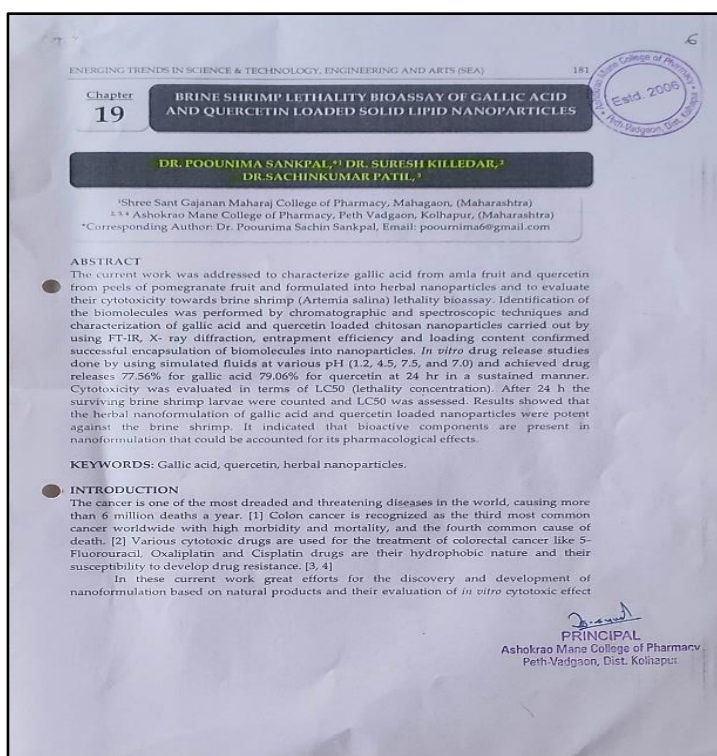
has published a chapter titled "ADVANCED TRENDS IN BIOTECHNOLOGY" in the edited book
Futuristic Trends in Biotechnology, IIP Proceedings, Volume 2, Book 27, Part 4.

ISBN: 978-93-95632-88-1

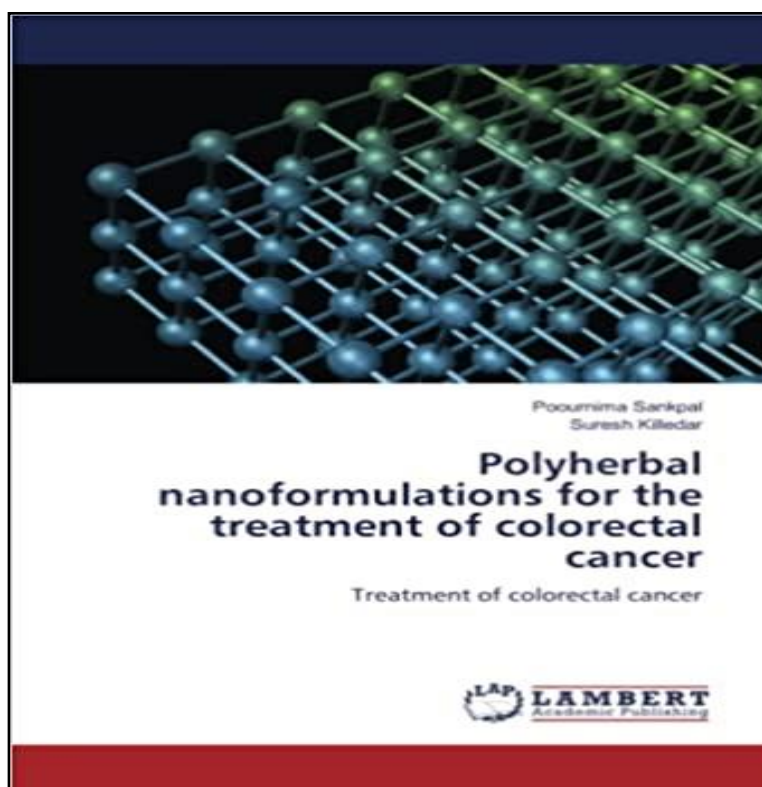
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Endophytes are major originators of new bioactive compounds with fascinating pharmacological activities. Here we have isolated, characterized, and screened endophytic bacteria of *Boerhaavia diffusa* Linn (BDEF) root for antioxidant and hepatoprotective 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 22.86 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.



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 PPRST University, Tamilnadu. She has 6 years of academic experience with 3 international publications and was awarded Faculty of the Year in 2021.



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Poonam Chougule
Prakash Nargatti
Nilesh Chougule

EVALUATION OF ENDOPHYTIC FRACTIONS OF *BOERHAAVIA DIFFUSA* L. ROOTS

FOR HEPATOPROTECTIVE ACTIVITY IN RATS



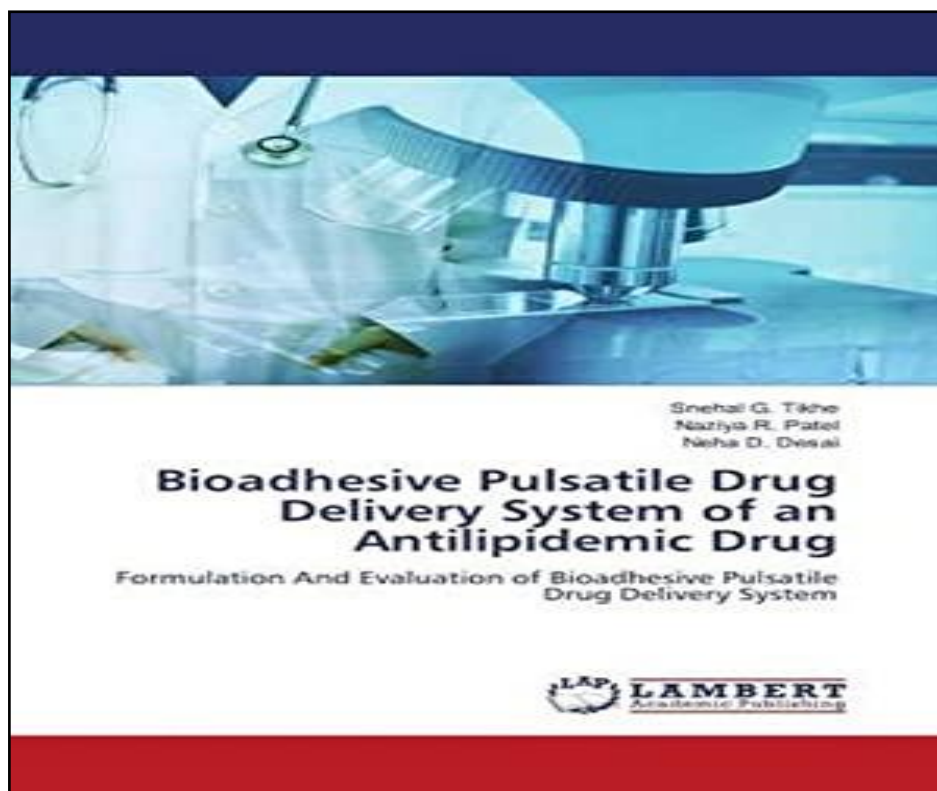
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Naziya R. Patel
Rani S. Dhole


Self Micro-Emulsifying Mouth Dissolving Film

Design, Development and Evaluation

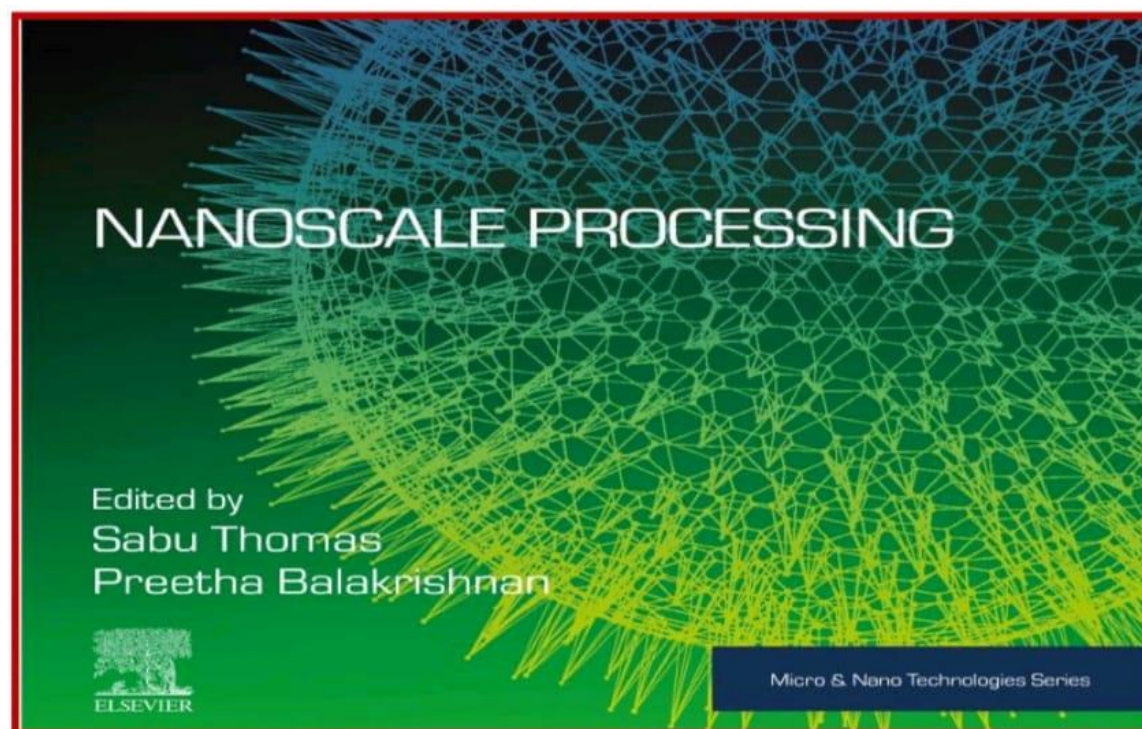


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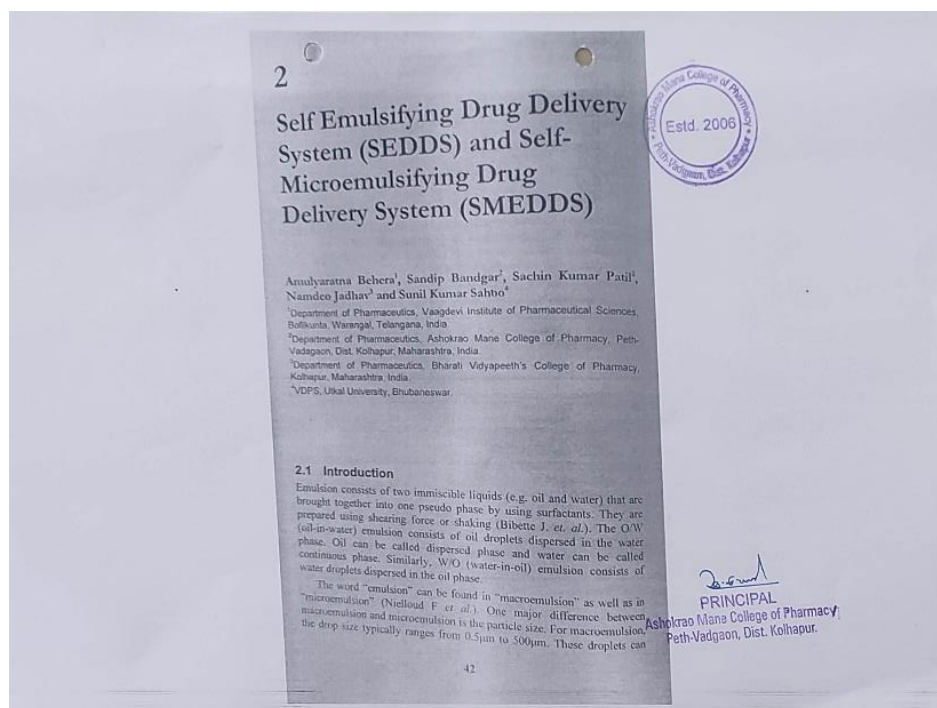
 <p>River Publishers Series in Polymer Science Advanced Polymeric Systems Applications in Nanostructured Materials, Composites and Biomedical Fields</p> <p>Editors: Didier Roussel, Institut Jean Lamour, Université de Lorraine, France Praveen K.M. Muthood Institute of Technology & Science (MTS), India Indu Raj, Government Dental College, International and Mahatma Gandhi University, India Sandhya Gopalakrishnan, Government Dental College, Mahatma Gandhi University, India Nandakumar Kalankikot, School of Pure and Applied Physics, Mahatma Gandhi University, India Sabu Thomas, Mahatma Gandhi University, India</p> <p>ISBN: 9789770221368 e-ISSN: 9789770221361 Available From: January 2021 Price: € 95.00</p> <p>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 sciences 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.</p> <p>The major topics discussed in the book include:</p> <ul style="list-style-type: none"> • Nanostructured materials for energy applications • Nanostructured polymer composites • Bio-polymers • Nanostructured polymers for biomedical applications <p>The book contains extended and updated research papers that were initially selected for the ICAMP-2017 conference which focused on advances in polymer materials.</p> <p>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.</p> <p>Keywords: polymer nanocomposites, polymer-nanoparticle interaction, energy storage devices, solar cells, food packaging, bio synthesized antimicrobial agents, therapeutics.</p>	<p style="text-align: center;">7</p> <h2 style="text-align: center;">Application of <i>Lepidium sativum</i> as an Excipient in Pharmaceuticals</h2> <p style="text-align: center;">S. V. Sutar¹, S. S. Shelake¹, S. V. Patil³ and S. S. Patil²</p> <p>¹Department of Pharmaceutical chemistry, Ashokrao Mane College of Pharmacy, Peth-Vadgaon, Hatkanangale, Kolhapur, 416112, Maharashtra, India</p> <p>²Department of Pharmaceutics, Ashokrao Mane College of Pharmacy, Peth-Vadgaon, Hatkanangale, Kolhapur, 416112, Maharashtra, India</p> <p>³Department of Pharmaceutics, Shree Samkrupa College of Pharmacy, Ghogaon, Karad, Satara, 415111, Maharashtra, India</p>
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Woodhead Publishing Series in Biomaterials

2018, Pages 249-266

Fundamental Biomaterials: Polymers

11 - Polymeric materials for targeted delivery of bioactive agents and drugs

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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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