

RESUME

Name: Dr. Pramod S. Salve

Date of Birth: 16/01/1977

Designation: Associate Professor (CAS)

Specialization Subject: Pharmaceutics

Research area/ Interest: Novel Drug Delivery System specially Transdermal Drug Delivery System, Nanoparticle Based Drug Delivery Systems.

Educational Qualifications:

Doctor of Philosophy (Ph.D.) in Pharmaceutics (Faculty of Medicine): 2005-2008

University Department of Pharmaceutical Sciences, Rashtrasant Tukadoji
Maharaj Nagpur University, Nagpur

Research Topic: Studies on different approaches for the development of intra-gastric floating dosage forms and their evaluation.

Year of Award of Ph.D.: 2008

M. S. (Pharm.) Specialization Subject: Pharmaceutics

June 1998- December 1999

National Institute of Pharmaceutical Education and Research (NIPER) S.A.S. Nagar Sector 67, S.A.S. Nagar (Mohali)-Punjab- 160 062, India.

Topic of research: Suitable solvent system for the *ex-vivo* permeation studies of naloxone hydrochloride across rat skin.

Bachelor of Pharmacy:

1994- 1998

Maratha Vidya Prasarak Samaj's, College of Pharmacy, MVP Campus, Gangapur Road, Shivaji Nagar, Nashik, Maharashtra 422002.

Qualified Graduate Aptitude Test in Engineering (GATE-1998) with Examination Paper Pharmaceutical Sciences Conducted by Indian Institute of Technology (IIT), New Delhi in February 1998 with Percentile Score 95.36.

Industrial Training:

Completed One Month Practical Training at Maxheals Pharmaceuticals (India), M.I.D.C.

Industrial Area, Satpur, Nasik from 24/05/1998 to 23/06/1998.

Industry Experience:

Duration	Organization	Position	Responsibility
1 year	Glenmark Pharmaceuticals Ltd., Sinnar Nasik	Research & Development Trainee	Formulation and Sophisticated Analytical Method Developments, Scale-up studies, Registration Dossier Preparation
1 Year	Genome Biotech Pvt. Ltd., Sinnar, Nasik	Executive Formulation Development	Formulation and Sophisticated Analytical Method Developments, Scale-up studies, Registration Dossier Preparation for Export Market

Administrative Experience:

- Performed the duties as Scrutinee Officer in Spot Valuation Centre, Department of Pharmacy for University Examinations in Summer 2008.
- Performed the duties as Deputy Chief, in Spot Valuation Centre, Department of Pharmacy for University Examinations in Summer and Winter 2011.
- Performed the duties as Chief, in Spot Valuation Centre, Department of Pharmacy for University Examinations in Summer and Winter 2012.
- Performed the duties as Deputy Chief, in Spot Valuation Centre, Department of Pharmacy for University Examinations in Summer 2016.

Research Guidance:

Master of Pharmacy: 48 Students

Ph. D.: 1 Student have submitted Ph.D. Thesis on 11/07/2019.

Title of Ph.D. Thesis Supervised:

Studies on approaches for development of transdermal drug delivery system for treatment of Parkinsonism.

University Research Project Scheme**Title**

“Studies on Approaches for Development of Solid Lipid Nano particles based Transdermal Drug delivery Systems for Management of Major Depressive Episodes.” Funded under University Research Project Scheme by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Publications list

1. Pramod Salve, Nikhil Bali: Fabrication and optimization of buccal film comprising rizatriptan benzoate loaded solid lipid nanoparticles for improved ex vivo permeation. Journal of Drug Delivery and Therapeutics 2019 9(3-s) 636-648.

DOI <https://doi.org/10.22270/jddt.v9i3-s.3112>

2. Nikhil R. Bali, Pramod S. Salve Fabrication and evaluation of selegiline HCl embedded transdermal film for management of Parkinson's disease, Journal of Drug Delivery and Therapeutics 2019, 9(2-s) 344-351. DOI <https://doi.org/10.22270/jddt.v9i2.2577>

3. Pramod S Salve, Shahadev B. Rathod Studies on solvent systems for enhanced skin permeation of venlafaxine hydrochloride, Journal of Drug Delivery and Therapeutics 2019 9(4-s) 505-518. DOI <https://doi.org/10.22270/jddt.v9i4-s.3379>
4. Development and Evaluation of Nanoparticles based transdermal patch of agomelatine for the treatment of depression, Journal of Drug Delivery and Therapeutics 2019, 9(4-s), 126-144. DOI <https://doi.org/10.22270/jddt.v9i4-s.3229>
5. Ex-vivo skin permeation studies of sumatriptan succinate using different solvent systems and its comparison with PLGA nanoparticles, Journal of Drug Delivery and Therapeutics 2019 9(4-s) 59-67.
DOI <https://doi.org/10.22270/jddt.v9i4-s.3247>
6. Nikhil R. Bali* , Pramod S. Salve, Selegiline nanoparticle embedded transdermal film: An alternative approach for brain targeting in Parkinson's disease, Journal of Drug Delivery Science and Technology 54 (2019) 101299 DOI: <https://doi.org/10.1016/j.jddst.2019.101299>
7. Nikhil R. Bali, Mahesh P. Shinde, Shahadev B. Rathod & Pramod S. Salve, Enhanced transdermal permeation of rasagiline mesylate nanoparticles: design, optimization, and effect of binary combinations of solvent systems across biological membrane, International Journal Of Polymeric Materials And Polymeric Biomaterials.
DOI: <https://doi.org/10.1080/00914037.2019.1706507>
8. Mahesh Shinde, Nikhil Bali, Shahadev Rathod, Megha Karemore & Pramod Salve, Effect of binary combinations of solvent systems on permeability profiling of pure agomelatine across rat skin: a comparative study with statistically optimized polymeric nanoparticles, Drug Development and Industrial Pharmacy.
DOI: <https://doi.org/10.1080/03639045.2020.1757697>
9. Nikhil R. Bali* , Pramod S. Salve, Impact of rasagiline nanoparticles on brain targeting efficiency *via* gellan gum based transdermal patch: A nanotheranostic perspective for Parkinsonism, International Journal of biological macromolecules, Volume 164, December 2020, 1006-1024. DOI: <https://doi.org/10.1016/j.ijbiomac.2020.06.261>
10. Saini N, Rai RK, Salve PS. Design and Development of Novel Synergistic Formulation of Pravastatin and Aspirin for the treatment of Atherosclerosis and Its Evaluation. Asian Journal of Pharm. Tech. 2016, 6(2), 61-69.
11. Pramod Salve, Sushant Dubey, Nikhil Bali. Hot Melt Coating of Pellets for Water Soluble Drug Using Combination of Waxes. Research Journal of Pharmacy and Technology. June 2016, 9(6), 741-749.
12. Pramod Salve, Suvarna Pise, Nikhil Bali. Formulation and Evaluation of Solid Lipid Nanoparticle Based Transdermal Drug Delivery System for Alzheimer's Disease. Research Journal of Pharmaceutical Dosage Forms and Technology, 2016, 8(2), 73-80.
13. Pramod Salve, Sapna Aherrao, Nikhil Bali. Development and Evaluation of Sustained Release Dosage form using Hydrophilic and Hydrophobic Materials. Research Journal of Pharmaceutical Dosage Forms and Technology 2016 9(5) 481-489.

14. Krushna H. Pande, Pramod S Salve, Raghvendra K Rai, Nikhil R Bali, Harshad S. Wankhede, Investigation and In Vivo Demonstration of on Synergistic Antidiabetic Activity of Aqueous Extracts of *Aegle marmelos* and *Withania coagulans*. Research Journal of Pharmacology and Pharmacodynamics. 6(2) 2014 101-107.
15. Suparna Bakhale, Amish Patel, Pramod Salve, Jasmine Avari. Self-Emulsifying Drug delivery System of Oral Antidiabetic Drug Formulation, *In-Vitro* and *In-Vivo* Evaluation. Indian Journal of Pharmacology, December 2012, 44, S180.
16. Salve, P. S., Development of controlled release floating beads of ibuprofen using ionotropic gelation technique. Research Journal of Pharmaceutical Dosage Forms and Technology 3(6) 2011.,159-167.
17. Salve, P. S., Development and in vitro evaluation of gas generating floating tablets of metformin hydrochloride. Asian Journal of Research in Pharmaceutical Sciences. 1(4) 2011, 77-59.
18. Salve, P. S., Effect of excipients and processing parameters on floating characteristics of hydrodynamically balanced system for diltiazem hydrochloride Asian Journal of Research in Pharmaceutical Sciences 1(4) 2011, 96-98.
19. Salve, P. S., Development of sustained release beads for salbutamol sulphate using ion exchange resin. Asian Journal of Pharmaceutical Technology.1(4) 2011, 95-109.
20. Ramesh Panchagnula, Pramod Sridhar Salve, Narisetty Sunil Thomas, Amit Kumar Jain, Poduri Ramarao, Transdermal delivery of naloxone: effect of water, propylene glycol, ethanol and their binary combinations on permeation through rat skin. International Journal of Pharmaceutics. 219 (2001) 95–105.

Papers Presented in Conferences, Seminars

1. Title of Research Paper Presentation: Novel in-situ gel formulation of artemether loaded solid lipid nanoparticles for the management of cerebral malaria in Society of Pharmaceutical Education & Research, 8th Annual International Conference & Exhibition (SPER 2019) Recent Paradigm and innovations for the safe and efficacious medicine organized by VYWS's Institute of Diploma in Pharmacy (Govt. Aided), Borgaon Meghe on 22nd-23rd February, 2019. **Received First Prize.**
2. Title of Research Paper Presentation: Liposomes based novel drug delivery system for management of psoriasis in International Conference on integrating Ayurveda and herbal drugs organized by Ganpat University, Mehsana, Ahmedabad on 20th- 21st January, 2018.
3. Title of Research Paper Presentation: A novel approach for management of Parkinson's disease using solid lipid nanoparticles of bromocriptine mesylate in International Conference NanoScitech 2017 organized by University Institute of Pharmaceutical Sciences, Punjab University, Punjab on 09th - 10th November, 2017.

4. Title of Research Paper Presentation: A novel approach for management of depression using solid lipid nanoparticles of Venlafaxine hydrochloride embedded in transdermal patch in APTICON-2016 21st APTI Annual National Convention organized by Manipal University, Manipal, Karnataka on October 14-16, 2016. **Received 1st prize.**

5. Title of Research Paper Presentation: A novel Approach for management of Schizophrenia using Solid Lipid nanoparticles of Clozapine embedded in transdermal Patch. Poster presented in National Conference of the theme Health Care for All. Organized by Department of Pharmaceutical Sciences, R.T.M. Nagpur University in Association with The Indian Pharmacist Association On October 22nd-23rd, 2016.

6. Title of Research Paper Presentation: Novel Approach for Diabetes Mellitus using synergistic combination of Herbal Drug in Chewable Tablet. International Congress of the Society for Ethnopharmacology 2014 (ICSE-2014) Chennai, March 7-9, 2014.

7. Title of Research Paper Presentation: Design and Development of Novel Synergistic Formulation of Pravastatin and Aspirin for the Treatment of Atherosclerosis and its Evaluation. National Seminar Organised by UDPS, on ` Current Research Trends and Future Prospects for the Management of Diabetes Mellitus, Nagpur. February 28, 2014.

8. Title of Research Paper Presentation: Optimization of Multiple Unit Floating Beads Of Ibuprofen Using Iontropic Gelation Technique. 12th International Symposium Advances in Technology and Business Potential of New Drug Delivery Systems, Mumbai – 9th -10th February 2012.

9. Title of Research Paper Presentation: Development and Evaluation of Floating drug delivery system for verapamil hydrochloride 6th International symposium on advances in technology and business potential of new drug delivery system, Organized by Controlled Release Society- Indian Chapter, Mumbai 18-19 February, 2005.

10. Title of Research Paper Presentation: Development and Evaluation of anti-diabetic formulation with prokinetic agent. International Convention of Association of Pharmaceutical Teachers of India, Visakhapatnam. 2nd-3rd October, 2004.

Chairman in Scientific Conference, National Seminar

1. Participated as Chairman in Scientific Session in Two Day National Conference On Health Care For All in Department of Pharmaceutical Sciences, R.T.M. Nagpur University on 22nd - 23rd October, 2016.

2. Participated as Chairman in Scientific Session in One Day International Seminar On Pharmaceutical Dosage Form Design and Development: Challenges and Constrains in SKB College of Pharmacy, Kamptee, Nagpur on 21st December, 2013.

Books Published

1. Sterile Dosage Forms, Shri Renuka Prakashan, Nagpur
2. Hydrodynamically Balanced Gastro retentive Drug Delivery System: Effects of Excipients and Processing Parameters, Lambert Academic Publications, Germany

Invited Lectures and Chairmanships at national or International Conference/Seminar

1. Guest Lecture delivered in AICTE Sponsored Staff Development Program on New Concepts In Pharmaceutical Technology & Motivation of Pharmacy Teachers organized by Adv. V.R. Manohar Institute of Pharmacy, Wanadongari, Nagpur from 29th June to 11th July 2009.
2. Guest Lecture delivered in AICTE Sponsored Staff Development Program on Emerging Trends in Drug Discovery & Quality Assurance organized by Kamla Nehru College of Pharmacy, Butibori, Nagpur from 24th November to 7th December 2009.
3. Guest Lecture delivered on the topic entitled Novel Drug Delivery Systems at Shri Sacchidanand Shikshan Sanstha's College of Pharmacy, Koradi, Nagpur on 4th October 2010.
4. Delivered a presentation on "Biopharmaceutical Classification System (BCS) & Drug Delivery Technologies" during the Interactive Workshop between University and Industries for Technology Development and transfer held on 29 Aug. 2012 at Gurunank Bhavan of Nagpur University (M.S.), India.
5. Participated and delivered a presentation on Biopharmaceutical Classification System and Drug Delivery Technologies organized by Technology Park An Interactive Workshop between University and Industries for Technology Development and Transfer, Rashtrasant Tukadoji Maharaj Nagpur University on 29th August, 2012.
6. Delivered seminar on topic "Biopharmaceutical Classification System and Drug Delivery Technology" Organised by AICTE Sponsored Faculty Development Programme on Current Strategies in Targeting Drug Delivery by IPER Wardha on 18th October, 2013.
7. Guest Lecture entitled "Drug Delivery Technology based on Solubility and Permeability Characteristics" delivered in AICTE Sponsored Staff Development

Program on Emerging Trends in Herbal & Novel Drug Delivery System organized by Manoharbai Patel Institute of Pharmacy, Gondia during 4th to 16th June, 2012.

8. Guest Lecture delivered as Participant Delegate AICTE Sponsored Faculty Development Program on Biopharmaceutical Classification System and Drug Delivery Technology at Institute of Pharmaceutical Education and Research, Wardha on 18th October, 2013.
9. Guest lecture delivered on Decision on Drug Delivery Technology based on physicochemical properties and pharmacokinetic limitations of drug on 17th June, 2016 at Sainath College of Pharmacy, Nagpur.
10. Guest Lecture delivered on Strategies for transdermal drug delivery systems at Department of Molecular Biology & Genetic Engineering, Rashtrasant Tukadoji Maharaj Nagpur University on 21/02/2019.

Staff Development Programs attended

1. Attended two weeks AICTE sponsored Staff development programme on new frontiers in drug delivery organized by smt. Kishoritai Bhoyar College of Pharmacy, Kamptee from 18th June 2007 to 30th June 2007.
2. Attended two week AICTE sponsored staff development programme on recent trends in Quality Assurance of Pharmaceutical organized by Sharad College of Pharmacy, Wanadongari, from 3rd – 14th October 2006.
3. Participated in Two Day Capacity Building Programme organized by Internal Quality Assurance Cell & UGC Academic Staff College, Rashtrasant Tukadoji Maharaj Nagpur University from 10th to 11th January 2010.
4. Attended Two Weeks AICTE Sponsored Staff Development Program On Recent Trends in Drug Discovery, Development and Delivery Techniques Organized by J.L. Chaturvedi College of Pharmacy, Nagpur from 12th September to 24th September 2011.
5. Attended in Two Weeks AICTE Sponsored Staff Development Program Current Strategies in Targeted Drug Delivery organized Institute of Pharmaceutical Education and Research, Borgaon (Meghe), Wardha from 14th October to 25th October 2013.
6. Attended Two Weeks AICTE Sponsored Staff Development Programme on Recent Advances in Novel Drug Delivery System organized by Sharad Pawar College of Pharmacy, Wanadongari, Nagpur from 16th June to 28th June 2014.

7. Attended in Two Weeks AICTE Sponsored Quality Improvement programme on New chemical Entities and Biosimilars: Strategies for design and Development Organized by Manipal College of Pharmaceutical Sciences, Manipal University, Manipal, Karnataka from 18th January to 31st January, 2016.
8. Attended in Two Weeks AICTE Sponsored Quality Improvement programme on Recent Trends in Drug Product Development, Phytopharmaceuticals and Analytical Techniques Organized by Manipal College of Pharmaceutical Sciences, Manipal University, Manipal, Karnataka from 5^h February to 27th February, 2016.
9. Attended Two Weeks AICTE Sponsored Quality Improvement programme on Health Care Promotion, Practice and Management Organized by Manipal College of Pharmaceutical Sciences, Manipal University, Manipal, Karnataka from 7^h March to 19th March, 2016.
10. Attended Two Weeks AICTE Sponsored Staff Development Programme on Emerging trends in pharmacological research: Convergence of molecular targets Organized by Poona College of Pharmacy, Bharati Vidyapeeth Deemed University, Pune from 19th - 31st December, 2016.
11. Attended One Week Faculty Development Program on Spectroscopic Analysis in Drug Discovery Organized by Gujarat Technological University, Ahmedabad, Gujarat from 16th to 21st July, 2018.
12. Attended Two Weeks Staff Development Program on Emerging Trends in Phytotherapeutics Organized by Poona College of Pharmacy, Bharati Vidyapeeth Deemed University, Pune from 4th to 16th February, 2019.

Conference, National Seminar Organized:

1. Organized and acted as Co-ordinator for Rashtrasant Tukadoji Maharaj Nagpur University Sponsored National Seminar on Regulatory Affairs in Pharmaceutical Industry organized by Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University on 13th February, 2010.
2. Organized and acted as Co-ordinator for Rashtrasant Tukadoji Maharaj Nagpur University Sponsored National Seminar on Current Trends in Formulation Development and Regulatory Affairs organized by Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University on 3rd December, 2013.
3. Organized and acted as Co-ordinator for Rashtrasant Tukadoji Maharaj Nagpur University Sponsored National Seminar on Current Research Strategies and Future

Prospects for the Management of Diabetes Mellitus organized by Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University on 28th February, 2014.

4. Organized and acted as Co-ordinator for Rashtrasant Tukadoji Maharaj Nagpur University in association with the Indian pharmacists Association organized National Conference on Health Care For All at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University on 22nd -23rd October, 2016.

