Name: Dr. Mrs. Pradnya Palekar – Shanbhag,

M. Pharm., Ph. D. (Tech.) from Institute of Chemical Technology (formerly known as UDCT University Department of Chemical Technology), Matunga, Mumbai

Professor & HOD, Department of Pharmaceutics

Email: hod.pharmaceutics@ocp.edu.in

Area of Specialization: Pharmaceutics, Novel Drug Delivery Systems

Subjects taught: Novel Drug Delivery Systems, Cosmeticology, Industrial Pharmacy, Biostatistics And Research Methodology, Biopharmaceutics and Pharmacokinetics, Modern Pharmaceutics, Drug Delivery Systems, Cosmetics and Cosmeceuticals, CADDS, MPNTDDS, ABPPK

Awards/ Credentials:

1. Best Paper Award for Oral Presentation 'Potential of AI/ ML in Drug Delivery System: A New Perspective or Approach' by SIES School of Business Studies and Association of Indian Management Schools at The International Management Research Conference by SIESSBS, February 2026.
2. Overall Championship Trophy for Research Project titled 'Novel Fibre-Aided Ready-To-Drink Fruit Tablets' in Pure Science Category at 18th Aavishkar Research Convention, University of Mumbai, November 2025.
3. Best Research Paper Award for Oral Presentation 'Studies on Anticoagulant Effect of Apixaban by SMEDDS Technology' at MINDS 2025, Bharati Vidyapeeth, Department of Management Studies, April 2025.
4. Speaker in Innovista 2025, LIVE Pharma Coalition, SIES School of Business Studies, March 2025.
5. Speaker in Innovista 2026, LIVE Pharma Coalition, SIES School of Business Studies, April 2026.
6. Speaker for Green Technology for Viksit Bharat, Krishna Menon College of Arts, Commerce, Management Studies, Legal Studies, April 2026.
7. First Prize for Oral Presentation 'Taste Masked Orally Dissolving Tablets of S-SMEDDS: A Promising And Sustainable Avenue' at Two Day National Multidisciplinary Conference on Fashion-I-S-T-A-S 2025, K. E. T's. V. G. Vaze College of Arts, Science And Commerce (Autonomous), January 2025.
8. Award 'HOD with Result Improvement – 2017-2019' on Founder's Day, 1st October 2021, Oriental College of Pharmacy, Sanpada, Navi Mumbai.
9. Teacher with Best Result Award, VES College of Pharmacy. 2012
10. Dr. C. I. Jolly Award n the subject of Pharmacognosy in the Final Year B. Pharm. Sci. University Exam in Prin. K. M. Kundnani College of Pharmacy.

11. Shri. H. G. Advani Gold Medal for securing highest marks in the Final Year B. Pharm. Sci. in Prin. K. M. Kundnani College of Pharmacy.
12. Recipient of Junior Research Fellowship (JRF) of University Grants Commission (UGC) in M. Pharm. Sci.
13. Recipient of Senior Research Fellowship (SRF) of University Grants Commission (UGC) in Ph.D. (Tech.
14. Best Research Paper titled 'Studies on Rapid Dissolving Films of Chlorhexidine Gluconate for Oral Cavity' at Idea Lab, National NES Start Up Fest organized by NES Ratnam College of Arts, Science & Commerce, Feb. 2016, Mumbai.
15. Second Position Award for Oral Presentation on 'Ofloxacin Topical Polymeric Films for Wound Healing' at Recent Advances in Sciences And Technology, Humanities & Management, Feb. 2023, Mumbai.
16. Best Paper Award for Poster presentation on 'Effect of Sepitrap-80 On Oral Mucosal Drug Delivery System of Aceclofenac', National Conference On Healthcare Management Conference 2015, SIES Institute Of Management, Jan. 2015, Mumbai.
17. Won third Prize in NMIMS-ICTHMUS URJJA Research Presentation Competition presented by M. Pharm. students, organized by NMIMS, Mumbai on 2nd February 2019.
18. Second position in Scientific Presentation at One Day National Seminar on 'Encapsulating Targeted Drug Delivery System', organized by MET College of Pharmacy, Mumbai.
19. Best Paper Award in Pharmacy Education for poster presentation on 'Innovative Methods of Teaching and Learning for Excellence in Performance' at Indian Pharmaceutical Association–Community Pharmacy Division – All India Convention, Feb. 2006, Pune.
20. First Prize for poster presentation on 'Application of Statistical Model of Factorial Design at Undergraduate Level' for Invention Project of Young Pharmaceutical Scientists Exhibition organized by SVB College of Pharmacy, Dombivli.
22. First Prize for oral presentation on 'Production on Ranitidine and Formulation Dosage' for Young Innovative Choice Competition organized by ICT, Mumbai.
23. First Prize for poster presentation on 'Drug Delivery to tumors using Nanochips' for Invention Project of Young Pharmaceutical Scientists Exhibition organized by SVB College of Pharmacy, Dombivli.
24. Second Prize for poster presentation on 'Optimization of *in vitro* bioadhesion time for improved stay of OMDDS of Fluconazole.' at Indira Pharma Zeal organized by SCES's Indira College of Pharmacy, Pune.
25. Third Prize for poster presentation on 'Mitochondrial Model: A promising Tool for DNA targeting in disease conditions for Invention Project of Young Pharmaceutical Scientists Exhibition organized by SVB College of Pharmacy, Dombivli.
26. Third prize for poster presentation on 'Vitiligo: A Social Disorder' organized by VES College of Pharmacy, Mumbai.

Professional Affiliations:

1. Registered Pharmacist, Pharmacy Council of India
2. Life Member, Association of Pharmaceutical Teachers of India
3. Approved Professor in Pharmaceutics, University of Mumbai
4. B. Pharm. Sci., Local Inquiry Committee, University of Mumbai
5. M. Pharm. Sci., Local Inquiry Committee, University of Mumbai
6. Subject Expert, Staff Selection Committee Panelist on behalf of University of Mumbai
7. Member, Board of Studies, SIES School of Business Studies
8. Recognized Ph.D. Research Guide in Pharmaceutics, University of Mumbai
9. Recognized M. Pharm. Research Guide in Pharmaceutics and Quality Assurance branches, University of Mumbai
10. External Referee, Project Viva for B. Pharm.
11. MOUs with IMCD, Dr. Palep's Medical Research Foundation, Dortmund Labs Pvt. Ltd.
12. Chairman, Subject of Cosmeticology for M. Pharm., University of Mumbai
13. Chairman, Subject of Novel Drug Delivery Systems for Final Year B. Pharm., University of Mumbai
14. Paper- setter, Examiner and Moderator for PET Ph. D. Entrance Exam, University of Mumbai
15. Paper-Setter, Examiner & Moderator for F. Y. B. Pharm., S. Y. B. Pharm., T. Y. B. Pharm. and Final Year B. Pharm. Theory Examinations, University of Mumbai
16. Examiner for F. Y. B. Pharm., S. Y. B. Pharm., T. Y. B. Pharm. and Final Year B. Pharm. Practical Examinations, University of Mumbai
17. Paper-Setter, Examiner & Moderator for M. Pharm. Examinations, University of Mumbai
18. Reviewer, Indian Journal of Pharmaceutical Sciences, Indian Pharmaceutical Association.
19. Reviewer, Gene Therapy And Molecular Biology
20. Reviewer, Current Drug Delivery, Bentham Publications
21. Reviewer, Current Drug Targets, Bentham Publications
22. Reviewer, International Journal of Medicinal Plants and Alternative Medicines, Academe Research Journals Publishing House
23. Reviewer, Journal of Herbal Medicine, Elsevier Publications
24. Judge for Technical Poster Presentations, IPA- MSB

Research Grants received:

1. Lactose India [2025 - 2026]: Collaborative Research on Tablet Studies
2. Minor Research Grant [2019 - 2020]: Funding Agency–University of Mumbai
   Research Grant Rs. 50,000/-
   Project Title - Studies On Multiple Unit Particulate Systems of Naproxen
3. IMCD[2020 - 2021]:Collaborative Research on Topical Creams (MOU signed)
4. IMCD[2021 - 2022]:Collaborative Research on ODTs (MOU signed)
5. IMCD[2022 - 2023]:Collaborative Research on Analytical Method Development

6. Minor Research Grant [2015 - 2016]: Funding Agency–University of Mumbai
   Research Grant Rs. 45,000/-
   Project Title - Studies On Rapid Dissolving Films of Chlorhexidine Gluconate for Oral Cavity
7. Minor Research Grant [2012 – 2013]: Funding Agency–University of Mumbai
   Research Grant Rs. 14,000/-
   Project Title - Studies on Orally Disintegrating Tablets of Promethazine Hydrochloride for Paediatrics
8. Minor Research Grant [2009 – 2010]: Funding Agency–University of Mumbai
   Research Grant Rs. 15,000/-
   Project Title - Studies on Paediatric Fast Mouth Dissolving Systems
9. Minor Research Grant [2007 – 2008]: Funding Agency–University of Mumbai
   Research Grant Rs. 40,000/-
   Project Title - Studies on Reconstitutable Oral Drug Systems
10. Minor Research Grant [2005 – 2006]: Funding Agency–University of Mumbai Research Grant Rs. 20,000/-
    Project Title - Studies on Paediatric Formulations
11. Senior Research Fellow [2000 – 2004]: Funding Agency–UGC
    Worked on Project Title – Formulation and Evaluation of Drug Delivery Systems
12. Worked on TAPTEC programme in Drug Delivery System [2000–2002] during Ph. D
    Funding Agency – AICTE

Research Students Guided:

University of Mumbai recognized Ph. D. Research Guide for Pharmaceutics

University of Mumbai recognized M. Pharm. Research Guide for Pharmaceutics & Quality Assurance

University of Mumbai recognized Ph. D. Guide for Pharmaceutics

Patent:

Indian Patent Granted

'Method for *In Vitro* Dissolution for Sublingual Tablets' Indian Patent No. 262776 (346/MUM/2008)

8 Patents filed in 2025-2026

No. of papers published:

National: 35

International: 33

No. of presentations:

National: 70

International: 7

Projects carried out:

Industry Projects for M. Pharm.

- Transdermal Antifungal Formulations
- Film coated matrix tablets for drug stability
- ODTs for Dry Mouth Syndrome
- ODTs for oral hygiene
- MUPs for NSAIDs
- *In situ* ophthalmic gelling system
- Taste masked ODTs for antidiabetics
- Topical cream formulation development

- Project Title - Studies On Multiple Unit Particulate Systems of Naproxen
  Minor Research Grant [2019 - 2020]: Funding Agency–University of Mumbai
- Project Title - Studies On Rapid Dissolving Films of Chlorhexidine Gluconate for Oral Cavity
  Minor Research Grant [2015 - 2016]: Funding Agency–University of Mumbai
- Project Title - Studies on Orally Disintegrating Tablets of Promethazine Hydrochloride for Paediatrics
  Minor Research Grant [2012 – 2013]: Funding Agency–University of Mumbai
- Project Title - Studies on Paediatric Fast Mouth Dissolving Systems
  Minor Research Grant [2009 – 2010]: Funding Agency–University of Mumbai
- Project Title - Studies on Reconstitutable Oral Drug Systems
  Minor Research Grant [2007 – 2008]: Funding Agency–University of Mumbai
- Project Title - Studies on Paediatric Formulations
  Minor Research Grant [2005 – 2006]: Funding Agency–University of Mumbai

Committee InCharge:

Discipline Committee

Examination Committee

CDC Committee

College Infrastructure and Systems:

- Contributed in design of Pilot Plant for pilot scale manufacturing of Solid and Liquid Dosage Forms
- As Head of Department, developed Department of Pharmaceutics, procured various equipment and books
- Prepared academic calendar and involved in distribution of work load
- Contributed in College website design & development, Teachers' Logbook, framing College Prospectus
- To improve department academic standard, ensured proper academic planning and implementation through monthly department meetings and regular review of faculty
- Setting up systems for Laboratory Documentation & Maintenance.
- NBA Criteria File Preparation, framing Course Outcomes, Course Exit Feedback Forms and Analysis & Summary Report Preparation of Course Exit Feedback Forms.
- B. Pharm. graduates for internship programmes at Rubicon Research Pvt. Ltd., Evonik and IMCD

College and People development:

- Delivered a lecture on 'To be Prepared for Lab Audits' as Resource Person for Laboratory Staff Quality Improvement Programme, organized by Oriental College of Pharmacy, 2020 - 2025.
- Organized and attended 'Prof. Javed Khan Annual Lecture Series' titled 'Relevance for Pharmacist to Cosmetic Industry', organized by Oriental College of Pharmacy on 30th August 2019.
- Delivered a lecture on 'Maintenance of Laboratory Documents' as Resource Person for Laboratory Staff Quality Improvement Programme, organized by Oriental College of Pharmacy, 9th – 11th May 2019.
- Organized and attended One Day Entrepreneurship Development Programme on 'Career And Business Prospects In The Area of Pharma Entrepreneurship' organized by Oriental College of Pharmacy on 30th March 2019.
- Organized and attended One Day Workshop cum lecture on 'Basics of Tableting' organized by Oriental College of Pharmacy on 21st February 2019.
- Started 'Prof. Javed Khan Annual Lecture Series' titled 'Young Researchers' Guide For Successful Project Completion' inaugurated by Oriental College of Pharmacy on 19th September 2018.
- Organized and attended One Day Industry sponsored Seminar titled 'Viscosity & Texture Analysis In Pharmaceutical in collaboration with BRK Instruments India LLP on 30th August 2018.

- Delivered a lecture on 'Laboratory Documentation' as Resource Person for Laboratory Staff Quality Improvement Programme, organized by Oriental College of Pharmacy, 23rd& 24th May 2018.
- Organized Faculty Development Workshop on 'Successfully Attracting Research Funding: The Road From Idea To Getting Funded For Academic Researchers' in May 2018 at Oriental College of Pharmacy, Sanpada.
- Organized Faculty Development Workshop on 'An Outlook On Design Of Experiments' in April 2018 at Oriental College of Pharmacy, Sanpada.
- Organized One Day Seminar on 'Challenges & Current Scenario: QbD & Regulatory Compliance' in March 2018 at Oriental College of Pharmacy, Sanpada.
- Organized One Day Seminar on 'Advances in Viscosity Measurement- Problems &Solutions' in Aug. 2016 at SVB's College of Pharmacy, Dombivli.
- Organized One Day Seminar on 'Formulation Development: An Overview' in Aug. 2015 at SVB's College of Pharmacy, Dombivli.
- Organized One Day Seminar on 'New Vistas In Medicinal Chemistry Research' in Feb. 2015 at SVB's College of Pharmacy, Dombivli.
- Organized CSIR Sponsored Two Days National Workshop on 'Research Methodology: An Approach Towards Systematic Research' in Jan. 2014 at SVB's College of Pharmacy, Dombivli.
- Organized One Day Seminar on 'Strategies Towards Formulation Development: An Industrial Perception' in Sep. 2012 at VES College of Pharmacy, Mumbai.
- Organized One Day National Level Seminar on 'Emerging Trends in Cosmeceutical EraETCE-2012' in Jan. 2012 at VES College of Pharmacy, Mumbai.
- Organized Dr. L. H. Hiranandani Pharma Zeal Poster and Model Making Competition in Dec. 2009 at Dr. L. H. Hiranandani College of Pharmacy, Mumbai.

Training programmes / workshops/conferences attended:

Around 30 webinars organized by Academia & Industry, April 2020-October 2021

1. Seminar on 'Recent Advances in Pharmacokinetics and Bioavailability' organized by SVB's College of Pharmacy, Aug. 2001, Dombivli.
2. IVth International Symposium on Advances in Technology and Business Potential of New drug delivery systems, Controlled Release Society Indian Chapter, Feb. 2002, Mumbai.
3. Vth International Symposium on Innovations in Pharmaceutical Sciences and Technology, organized by PERD, Feb. 2003, Mumbai.
4. Vth International Symposium on Advances in Technology and Business Potential of New drug delivery systems, Controlled Release Society Indian Chapter, Feb. 2004, Mumbai.

5. Seminar on 'Tablet Technology' organized by Indian Pharmaceutical Association, Maharashtra State Branch, June 2005, Mumbai.
6. Workshop on 'Leadership Training Programme' organized by H(S)NCB's College of Pharmacy in Association with Dr. (Mrs.) Radha Seth, Reader in Psychology, at Smt. C. H. M. College, Jan.2006, Ulhasnagar.
7. Faculty Development Programme on 'Strategies For Student-Centered Teaching And Learning' organized by H. R. College of Commerce and Economics in association with Dr. Ann Rumpus, University Of Westminster, Oct. 2006, Mumbai.
8. Seminar on 'Regulatory Guidelines: New Drug Development, Registration and Approval' organized by Prin. K. M. Kundnani College of Pharmacy, Jan. 2007, Mumbai.
9. Seminar on 'Challenges and Opportunities in Pharma Management' organized by Padmashree Dr. D. Y. Patil Institute of Management, Dec. 2008, Mumbai.
10. Seminar on 'Recent trends in Clinical Research and Project Management' organized by Dr. L.H. Hiranandani College of Pharmacy, Aug. 2008, Mumbai.
11. First Annual Convention of University of Mumbai College Principals' Association (UMCPA) on 'Reforms in Higher Education', March 2009, Mumbai.
12. Seminar on 'Pharmacovigilance: The Indian Perspective organized by VES College of Pharmacy', Jan. 2011, Mumbai.
13. Seminar on 'Recent Developments in Technology for Novel Drug Delivery Systems' organized by VES College of Pharmacy, Jan. 2011, Mumbai.
14. Seminar on 'Increased Drug Failures in Market: Safety Questionable', organized byBharati Vidyapeeth's College of Pharmacy, Aug. 2011, Mumbai.
15. Seminar on 'Instrumental Analysis', organized by Oriental College of Pharmacy, July2011, Mumbai.
16. First Term Training Program for Extension Teachers, Department of Lifelong Learning and Extension, University of Mumbai, Aug. 2011, Mumbai.
17. DST sponsored Two Days National Conference on 'Cancer-Comprehensive Approaches in Drug Discovery and Development', organized by VES College of Pharmacy, Sep. 2011, Mumbai.
18. Seminar on 'Emerging Trends in Applications of Laser and Accelerators in Nanomaterials ETALAN – 2011', organized by BARC, Oct. 2011, Mumbai.
19. Seminar on 'Research Avenues and Challenges in Higher Education', organized by University of Mumbai, Nov. 2011, Mumbai.
20. Second Term Training Program for Extension Teachers, Department of Lifelong Learning and Extension, University of Mumbai, Dec. 2011, Mumbai.
21. Seminar on 'Revitalize Your Attitude', organized by VES Leadership Academy and Research Centre, Dec. 2011, Mumbai.
22. Seminar on 'Emerging Trends in Novel Drug Delivery Systems', organized by Gahlot College of Pharmacy, Dec. 2011, Mumbai.

23. National Level Seminar on 'Emerging Trends in Cosmeceutical Era ETCE-2012'organized by VES College of Pharmacy, Jan. 2012, Mumbai.
24. First Term Training Program for Extension Teachers, Department of Lifelong Learning and Extension, University of Mumbai, July 2012, Mumbai.
25. Seminar on 'Strategies Towards Formulation Development: An Industrial Perception' organized by VES College of Pharmacy, Sep. 2012, Mumbai.
26. Second Term Training Program for Extension Teachers, Department of Lifelong Learning and Extension, University of Mumbai, Dec. 2012 Mumbai.
27. Two Days International Conference on 'Extension Education & Rural Communities', organized by University of Mumbai, April 2013, Mumbai.
28. CSIR Sponsored Two Days National Workshop on 'Research Methodology: An Approach Towards Systematic Research' organized by SVB's College of Pharmacy, Jan. 2014, Dombivli.
29. Seminar on 'New Vistas In Medicinal Chemistry Research' organized by SVB's College of Pharmacy, Feb. 2015, Dombivli.
30. Seminar on 'Formulation Development: An Overview' organized by SVB's College of Pharmacy, Aug. 2015, Dombivli.
31. Seminar on 'Advances in Viscosity Measurement - Problems & Solutions' organized by SVB's College of Pharmacy, Aug. 2016, Dombivli.
32. Organized One Day Seminar on 'Challenges & Current Scenario: QbD & Regulatory Compliance' in March 2018 at Oriental College of Pharmacy, Sanpada.
33. Faculty Development Workshop on 'An Outlook On Design Of Experiments' in April 2018 at Oriental College of Pharmacy, Sanpada.
34. Faculty Development Workshop on 'Successfully Attracting Research Funding: The Road From Idea To Getting Funded For Academic Researchers' in May 2018 at Oriental College of Pharmacy, Sanpada.
35. Faculty Development Workshop on 'Pedagogical Analysis' in July 2018 at Oriental College of Pharmacy, Sanpada.
36. Seminar Cum Workshop on 'Viscosity & Texture Analysis In Pharmaceutical Industry' in collaboration with BRK Instruments India LLP in August 2018 at Oriental College of Pharmacy, Sanpada.
37. Prof. Javed Khan Annual Lecture Series in September 2018 at Oriental College of Pharmacy, Sanpada.

Book published:

'Factorial Design: A Comparative Study With and Without Use of Software' ISBN 978-3-659-46011-1, LAP Lambert Academic Publishing, Germany.