



Dr. RAHUL RAVINDRA PADALKAR

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Education: M Pharm, PhD (Pharmaceutics), Savitribai Phule Pune University.

Current Designation: Associate Professor, Depart of Pharmaceutics, AISSMS College of Pharmacy, Pune, from 2009 to this date.

Administrative responsibilities: NSS Program Officer, Cultural-in-charge, Industry Institute Partnership Cell

Professional Affiliations: Member of Maharashtra State Pharmacy Council, Association of Pharmaceutical Teachers of India.

Work Experience: Teaching 15 years, Industry 7 years.

Research areas: Formulation development, Design of Experiment, Pharmaceutical equipment technology.

Research Projects Completed:

- 1) Formulation development and evaluation of nasal transmucosal drug delivery system. Sponsored by Savitribai Phule Pune University. Grant Received: Rs. 3,00,000/- Duration: 2012-2014.
- 2) Various industry sponsored projects accounting for Rs. 1.5 lak.

Patents: One Indian Patent Application filed.

Publications: Citations-94, H index-4, i10 index -3

1. AR Madgulkar, MR Bhalekar, RR Padalkar. Formulation design and optimization of novel taste masked mouth-dissolving tablets of tramadol having adequate mechanical strength, AAPS PharmSciTech 2009;10 (2), 574-581.
2. MR Bhalekar, DM Mathure, RR Padalkar. Formulation and statistical optimization of controlled release pellets of cetirizine dihydrochloride. Der Pharmacia Lettre. 2011; (3)3:443-452.

3. P. Datrange, S. Kulkarni, and R. R. Padalkar, "Development of taste masked formulation for bitter drug," Research Journal of Pharmaceutical Biological and Chemical Sciences, vol. 3, no. 3, pp. 727–753, 2012.
4. R Dandnaik, R Padalkar. Pulsatile drug delivery system. Inventi Impact: Pharm Tech. 2012.
5. Ashwini R. Madgulkar, Mangesh R. Bhalekar, Rahul R. Padalkar, and Mohseen Y. Shaikh. Optimization of Carboxymethyl-Xyloglucan-Based Tramadol Matrix Tablets Using Simplex Centroid Mixture Design. Journal of Pharmaceutics, vol. 2013, Article ID 396468, 11 pages, 2013. doi:10.1155/2013/396468.
6. Mangesh .R. Bhalekar, Ashwini R. Madgulkar, Rahul R. Padalkar, Dipul B. Manwar, Taste Masked Beads Of Ondansetron Hydrochloride Using Natural Polymer Xyloglucan, World Journal Of Pharmacy And Pharmaceutical Sciences, 2014; Volume 3, Issue 8, 1151-1163.
7. Mangesh.R. Bhalekar, Ashwini R. Madgulkar, Rahul R. Padalkar, Dipul. B. Manwar, Comparative Evaluation Of Taste Masking Methods Of Ondansetron Hcl, World Journal Of Pharmacy And Pharmaceutical Sciences, 2014; Volume 3, Issue 8, 982-995.
8. Madgulkar AR, Bhalekar MR, Padalkar RR. and Kulangi SL, Formulation And Evaluation Of Suspension Containing Chloroquine Sulphate-Loaded Eudragit Epo Microspheres, World Journal Of Pharmacy And Pharmaceutical Sciences, 2014; Volume 5, Issue 11, 719-727.
9. Mangesh R. Bhalekar, Ashwini R. Madgulkar, Rahul R. Padalkar, Ashwini H. Sathe, Formulation And Evaluation Of Taste Masked Suspension Of Oseltamivir Phosphate, World Journal Of Pharmacy And Pharmaceutical Sciences, 2015; Volume 4, Issue 10, 382-393.
10. Mrinalini C. Damle, Rahul R. Padalkar and Supriya S. Darandale, Formulation Development And Evaluation Of Novel Mouth Dissolving Drug Delivery System Of Eletriptan Hydrobromide, World Journal Of Pharmacy And Pharmaceutical Sciences, 2016; Volume 5, Issue 9, 1590-1604.
11. Mangesh R Bhalekar, Ashwini R Madgulkar, Rahul R Padalkar and Ahillya P Ohol. Formulation and evaluation of dry suspension of taste masked coated pellets of cefixime. International Journal of Applied Research 2017; 3(6): 652-658.
12. Madgulkar, A. R., Padalkar, R. R., & Amale, S. K. (2019). Preformulation Studies of Intranasal Solid Lipid Nanoparticles of Mometasone Furoate. Journal of Drug Delivery and Therapeutics. 2019; 9(4): 526-528.
13. Padalkar R, Madgulkar A, Kharade R. Wound Healing Dressing System for Diabetic Wounds Based on Curcumin and Syringic Acid. International Journal of Pharmaceutical Investigation. 2022;12(1):82-6.
14. Padalkar Rahul, Madgulkar Ashwini, Shinde Kalyani. Wound Healing: A comprehensive review of over 50 natural drugs. International Journal of All Research Education and Scientific Methods. 2021; 9(8):310-328.
15. Padalkar R, Madgulkar A. Insitu Nasal Gel of Granisetron For Enhancement of Bioavailability Over Oral Delivery: Formulation, Optimization and In-Vivo Evaluation. International Journal of Pharmaceutical Sciences and Drug Research. 2020;(12)5: 544-53.

Presentations: 12, as an author.

Workshops/Seminars attended: 33

1. One day workshop on "Advances In Novel Drug Delivery Systems", at Satara College of Pharmacy, 7th October, 2006.

2. 59th Indian Pharmaceutical Congress, Varanasi, 20th to 23rd December, 2007.
3. 60th Indian Pharmaceutical Congress, Delhi, 12th to 14th December, 2008.
4. Advances in Novel Drug Delivery System, 2009 at Modern College of Pharmacy, Pune
5. One day seminar on "Regulatory Aspects of Excipients in Pharmaceutical Formulation" at SGRS College of Pharmacy, Saswad, 20th December, 2009.
6. Two Days National Level Seminar on "Current Trends In Novel Drug Delivery Research" at Modern college of pharmacy Nigdi , Pune, 23rd to 24th January, 2010.
7. Zonal Level Research Project Competition , Avishkar-2011, at Haribhai V Desai College, Pune, 14th December, 2011.
8. One Day-IPA Model Lecture Series in Pharmaceutics jointly organized by IPA, Pune branch and M.C.E. Society's Allana College of Pharmacy, 24th December, 2011.
9. AICTE sponsored Two Weeks Staff Development Programme on "Novel Drug Delivery Systems : Past- Present –Future" At Sinhgad College of Pharmacy , Vadgaon (BK.) Pune, 19th September to 1st October, 2011.
10. IPA Pune branch organized model lecture series in modern dispensing practices and biotechnology at AISSMS College of Pharmacy, Pune. Dec 2011.
11. Two Days National Level Seminar on "Pharmaceutical Research : Regulation Practice and more " at Modern College of Pharmacy , Nigadi, 28th to 29th January, 2012.
12. Regional Research Conference for Pune University College Teachers "Innovation-2013"at Amrutavahini College of Pharmacy , Sangamner , 17th to 18th April, 2013.
13. One Day-IPA Model Lecture Series in Pharmaceutics jointly organized by IPA , Pune branch and M.C.E. Society's Allana College of Pharmacy Azam Campus , 24th October, 2013.
14. Regional Research Conference for Pune University College Teachers "Innovation-2014"at Marathwada Mitra Mandal College of Pharmacy, 24th April, 2014.
15. Zonal Level Research Project Competition, Avishkar-2014, at Sinhgad Institute of Pharmacy, Narhe, 17th October, 2014.
16. Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2014, Pune);at Shree Shiv Chatrapati Sports Complex, Balewadi, Pune, 28th to 30th November, 2014.
17. Two Days State Level Seminar on "QbD in Formulation Development" at AISSMS College of Pharmacy Pune, 21st to 22nd January, 2015.
18. Zonal Level Research Project Competition, Avishkar-2015, at Allana College of Pharmacy, Pune, 14th October, 2015.
19. SPPU organized NSS Special Camp Planning Workshop, 4th December 2015.
20. NSS Audit training workshop February 2016
21. NSS Program Officer Annual Planning Meeting, at Sir Parshurambhau College, Pune, 1st September, 2016.
22. One Day State Level Poster Presentation Competition "SYNAPSE" 2016, at AISSMS College of Pharmacy, Pune; 14th October, 2016.
23. One Day State Level Seminar on "Insights on Different Funding Agencies and Research Proposal Writing" at AISSMS College of Pharmacy, Pune; 31st January 2017
24. NSS Audit training workshop, at Sir Parshurambhau College, Pune, 9th March, 2017.
25. NSS Program Officer Annual Planning Meeting, 24th August, 2017.
26. SPPU and PMC organized Swachh Srvekshan Niyojan workshop, at Savitribai Phule Pune University, 29th December, 2017.

27. NSS Audit training workshop, at Sir Parshurambhau College, Pune, 9th March 2018.
28. NSS Program Officer Annual Planning Meeting, at Sir Parshurambhau College, Pune, 30th August, 2018.
29. One Day State Level Research Presentation Competition Synapse, at AISSMS College of Pharmacy Pune; 16th October, 2018.
30. Two Days National Level Seminar on "In-Vitro In-Vivo Correlation" at AISSMS College of Pharmacy Pune; 17th to 18th January, 2019.
31. Two days state level NSS workshop: 23 and 24th February 2019 at Balewadi Stadium, Pune
32. SPPU-NSS Nirmal Wari Planning Workshop, at Bhimashankar, 13th to 14th June, 2019
33. NSS Program Officer Annual Planning Meeting, at Sinhgad Institute of Technology, Lonawala, 5th August, 2019.
34. Three days online national conference on accustoming pharmaceutical professionals with upcoming future challenges. Organized by Gurunanak College of Pharmacy, Nagpur from 29th to 31st May 2020.
35. Two days national webinar on current scenario in psychoneuropharmacology. Organized by P Wadhwani Colleg of Pharmacy, Yawatmal on 2nd and 3rd Jun 2020.
36. Webinar on effective tools for online teaching learning process. Organized by Shri Dhaneshwari Shaikshanik Sankul, Aurangabad on 31st May 2020.
37. Two days national webinar series on Pharmaco recent trends 2020. Organized by Dayanand Pharmacy College Latur from 31st May to 1st Jun 2020.
38. Webinar on Impact Of COVID 19 On pharma market and economy. Organized by Faculty of Pharmacy, The Maharaja Sayajirao University of Baroda Vadodara. 9 May 2020.
39. Webinar on Unique Placement Guiding webinar for promising future. Training & Placement Cell Smt. Kishorotai Bhoyar College of Pharmacy & Pharma HR Society India. 10 May 2020.
40. Webinar on Clinical Research and Pharmacovigilance industry highlights with introduction and career prospects. Dr. D. Y. Patil College of Pharmacy, Akurdi and DCS Center of skill and entrepreneurship Development for clinical Research and Pharmavigilance. 9th May 2020.
41. Webinar on Exercise and diet during Quarantine and lockdown. SPDM Arts, SBB & SHD Commerce and SMA science college, Shirpur, Dhule & Indian Institute of scientific Research and Analysis Aurangabad. 12th May 2020.
42. Webinar on intellectual Property Rights (IPR) For the Development Of Academic Pharmaceutical Research (IPR-2020). Sharadchandra Pawar College of Pharmacy Junner Pune & Thirdip IPR, LLP, Pune. 9 May 2020,
43. Webinar on "Enhancing Research Effectiveness using Scopus, Science direct and Mendeley". 1st May 2020.
44. Webinar on "Statistical Discovery for teaching and Research" IQAC OF AISSMS College of Pharmacy, Pune and JMP Global Academic Team. 9th May 2020.
45. Webinar on "Artificial Intelligence & Drug Discovery". Shri Vithal Education & Research Institute's College of Pharmacy, Pandharpur. 19 April 2020.
46. IP awareness workshop organized by AISSMS College of Pharmacy, Pune.

Faculty Development Programs Attended

1. Industrial Pharmacy by Swayam NPTL. 12 weeks.

2. One week online Faculty Development Program–Moodle: Learning Management system (LMS). Organized by STES'S Smt. Kashibai Navale College of Engineering Pune. 13-17 May 2020.
3. MSBTE approved Four week Online FDP on “Tools For Online Teaching Learning Process”. Organized by Department of Pharmacy, Government polytechnic, Jalgaon. 20 April-17 May 2020.
4. Effective proposal writing for research and funding. Organized by Sandip foundation's Sandip institute of Technology & Research Centre, Nashik. 13-18 May 2020.
5. One week online Faculty development program on “Innovative Techniques in Pharmaceutical sciences “ P. Wadhwani College of Pharmacy , Yavatmal. 9-13 May 2020.
6. FDP on “Various facets of Quality in Pharmaceutical Industry” organized by AISSMS College of Pharmacy, Pune. 8TH May 2021.
7. Effective Writing by Swayam NPTL. 8 weeks.

Programs organized as co-ordinator

1. Savitribai Phule Pune University Sponsored 2 days National Level Workshop on Invitro Invivo Correlations. Jan 2018
2. State Level 3 Days Online Pharma Quiz. Feb 3-5, 2021.
3. National Level Problem Solving Competition. April 11-13, 2022.

Awards/recognitions

1. Guided a project titled Spherofast, All-in-one spheronizer which won the THIRD Prize at National Level Research Competition Anveshan 2020 organized by the Association of Indian Universities.
2. Appointed as Mentor by Govt of Maharashtra at Maharashtra State Health Hackathon. April 23-25, 2021.
3. Appointed as Mentor by Ministry of Education, Ministry of Information and Broadcasting, Ministry of MSME, Govt of India at Toycathon 2021. Jan 14-24, 2021.
4. Guided a project titled HEALOBETIC, An Innovative Dressing System for Diabetic Wound. which won the FIRST Prize at National Level Research Competition Anveshan 2022 organized by the Association of Indian Universities.
5. Guided a project titled SANIGREEN, An Auto-compostable Sanitary Pad for Green Earth. which won the FIRST Prize at National Level Ideathon Competition and several other competitions.
6. Covid Warrior Award by All India Shri Shivaji Memorial Society for remarkable social work done during lockdown.
7. Guided a project titled Revigreen, which won the third prize at State Level Inter University Research Convention Avishkar 2023.

