



All India Shri Shivaji Memorial Society's

College of Pharmacy, Kennedy Rd, Pune-411 001.

Establishment 1996; Affiliated to Savitribai Phule Pune University,

Approved by AICTE & Recognized by PCI

Accrediated by NBA (B. Pharm Course) 2F/12B Recognition by UGC

Mail: contact@aissmscop.com **Website:** www.aissmscop.com



Name: Dr. Monica RP Rao

Designation : Associate Professor

Qualifications : M. Pharm, Ph.D.

Contact No: 020-26058204/9822916490

Email-Id: rao_mrp@aissmscop.com



PROFESSIONAL EXPERIENCE:

1. Working as **Associate Professor** from **March 2013** at AISSMS College of Pharmacy, Pune-411001
2. Worked as **Assistant Professor** from **August 2004** to February 2013 at AISSMS College of Pharmacy, Pune-411001
3. Worked a **Senior Lecturer** from **August 2001** to July 2004 at AISSMS College of Pharmacy, Pune-411001
4. Worked as **Lecturer** from **August 1997** to July 2001 at AISSMS College of Pharmacy, Pune-411001
5. Worked a **Graduate apprentice** from **September 1992** to February 1993 at Hoechst Pharmaceuticals Ltd., Mumbai

TOTAL EXPERIENCE IN YEARS:

- ❖ Teaching: 20 yrs.
- ❖ Research: 13 Yrs
- ❖ Industry: 06 months

AREAS OF INTEREST:

Solubility enhancement

Self nano emulsifying drug delivery

Nanosponges

M. PHARM STUDENTS GUIDED: 47

- ❖ Approved as PG guide by Savitribai Phule Pune University and guided 47 M. Pharm students

BOOKS AUTHORED:

PUBLICATION OF INVITED CHAPTER:

Ashwini Madgulkar, Monica RP Rao, Deepa Warriar, Characterization of Psyllium (*Plantago ovata*) Polysaccharide and Its Uses in 'Polysaccharides, Bioactivity and Biotechnology', **Eds:** Jean-Michelle Merillon & Prof. Kishan G Ramavat, Springer International Publishing, Switzerland, 2014, **DOI:** 10.1007/978-3-319-03751-6_49-1. [ISBN: 978-3-319-03751-6]

PROFESSIONAL AFFILIATIONS:

- ❖ Registered Member: Maharashtra State Pharmacy Council
- ❖ Life Member: Association of Pharmacy Teachers of India

PROJECTS HANDLED/GRANTS RECEIVED:

- ❖ No. of In house Projects: 04
- ❖ No. of Funded Research Projects (University/Industry): 02
- ❖ Amount of Research Grant Received: 4.2 Lakh

MEMBER OF EDITORIAL BOARD:--

INSTITUTIONAL AND ADMINISTRATIVE RESPONSIBILITIES:

- ❖ Training and Placement In Charge for B Pharm & M Pharm
- ❖ Departmental library In Charge for Pharmaceutics department
- ❖ Guest lectures In Charge
- ❖ In Charge of Curriculum Design under NAAC
- ❖ Member- Steering Committee and Governance Committee under NAAC
- ❖ Member- Planning Committee, Research Advisory Committee, Internal Complaints Committee, Library Advisory Committee, Internal Quality Assurance Cell, Parents Meet
- ❖ Member- Organizing Committee- SYNAPSE 2016 for the year 2016-17
- ❖ Completed University of Pune sponsored research project worth **Rs 2,00,000/-** in 2009-2011
- ❖ Coordinated University of Pune sponsored National Seminar "Pharmaceutical Technology: Current Perspectives" (2010-11)

- ❖ Completed University of Pune sponsored research project worth **Rs 2,20,000/-** in 2014-2016
- ❖ Coordinated one day state level poster presentation competition “SYNAPSE 2016” organized by AISSMS College of Pharmacy on 14th October 2016.
- ❖ Coordinated Savitribai Phule Pune University sponsored one day State Level Seminar on “**Insights on Different Funding Agencies and Research Proposal Writing**” held at AISSMS College of Pharmacy, Pune on 31st January 2017.

AWARDS/ACHIEVEMENT/MEDALS:

- ❖ Cleared GATE examination with 90 percentile
- ❖ Recipient of AICTE Scholarship during M. Pharm. Course.
- ❖ Best poster titled ‘**Thermoreversible nasal gels for Parkinsonism**’ at 6th Symposium of **Indian Pharmaceutical Association on ‘Nasal and Pulmonary Drug Delivery: Global Trends’ 24-25th October, 2013** at Mumbai.

PUBLICATIONS:

- ❖ REVIEWS: 09
- ❖ NATIONAL & INTERNATIONAL RESEARCH PUBLICATIONS: 47
- ❖ H index - 11
- ❖ i10 Index - 11
- ❖ No of Citations - 326

REVIEW PUBLICATIONS

1. **Monica RP Rao**, Snehal Gorey. Pharmacogenomics and Modern Therapy. **Ind J Pharm Sci.**, 69(2), 2007, 167.
2. Bachchav D, **Monica RP Rao**, Madgulkar AR. Nanotechnology and blood brain barrier. **Ind. Drugs.** 44(4), April 2007, 245-252.
3. **Rao MRP**, Adagalle UR, Shetty A, Namjoshi P, Gaitonde P. Cancer Immunotherapy. **www.pharmainfo.net.** 15th March, 2007.
4. **Rao MRP**, Rathi A, Laghate A, Thigale S. Microwave Chemistry-A Breakthrough Technology. **Ind Pharmacist.** May 2006, p 17.
5. **Rao MRP**, Rathi A, Laghate A, Thigale S. Microneedle-enhanced Transdermal Drug Delivery. **Pharma Times.** 38(4), April 2006.

6. **Rao MRP**, Madgulkar AR. Surface Plasmon Resonance-A New Approach to High Throughput Screening. **Indian Drugs**. 40(10), October 2003, 561.
7. **Rao MRP**, Madgulkar AR. Depyrogenation of Glassware for Parenterals. **Indian Pharmacist**. December 2002, 6-11.
8. **Rao MRP**, Madgulkar AR. Role of pharmacists in community health. Article published in Express Pharma Pulse on 12th December 2012.
9. **Rao MRP**, Madgulkar AR, Damle MC. Nutraceuticals: A Brief Overview. **Ind J Pharm Edu.**, 36(3), July-Sept 2002, 142-148.

NATIONAL & INTERNATIONAL RESEARCH PUBLICATIONS

1. **Monica RP Rao**, Snehal Gaikwad, Prachi Shevate. Synthesis and characterization of novel mucoadhesive derivative of psyllium seed polysaccharide. **Int J Pharm Pharmaceu Sci** 9(6), (2017) 166-175.
2. **Monica RP Rao**, Vaishali K, Laxmi B, Jagruti C. Synthesis and Characterization of psyllium seed mucilage grafted with N,N-methylene bisacrylamide. **Int J Bio Macro** 103 (2017) 338-346
3. **Monica RP Rao**, Shilpa J, Swati T, Vaishali K. Design and Pharmacodynamic Evaluation of Optimized Microporous Osmotic Tablet of Venlafaxine Hydrochloride. **Ind J Pharm Sci** 2017;79(2):241-149
4. **Monica RP Rao** and Chaitanya Shirsath. Enhancement of bioavailability of non-nucleoside reverse transcriptase inhibitor using nanosponges. **AAPS PharmSciTech.**, July 2017, 18(5) pp 1728–1738 (2016-10-18): 1-11. DOI: 10.1208/s12249-016-0636-6.
5. **Monica RP Rao, VM Pawar**. Enhanced Solubility And Bioavailability of Sulfasalazine By Evaporative Nanocrystallization. **World J Pharm Res**, 5(9), 2016, 814- 832.
6. **Monica Rao**, Deepak Kumar Agrawal and Chaitanya Shirsath. Thermoreversible mucoadhesive in situ nasal gel for treatment of Parkinson's disease. **Drug Dev Ind Pharm**. 43 (1), 2016,142-150. <http://dx.doi.org/10.1080/03639045.2016.1225754>
7. **Monica R. P. Rao**, Swati Taktode, Shivraj Shivpuje, Shilpa Jagtap. Optimization of transmucosal buccal delivery of losartan potassium using factorial design, **Ind J Pharm Edu Res**. 50(2), S132-S139, Apr-Jun 2016.

8. **Monica R. P. Rao**, Shivraj Shivpuje, Rohit Godbole, Chaitanya Shirsath. Design and evaluation of sustained release matrix tablets using sintering technique, **Int J Pharm Pharma Sci.** 8(2):115-121.2016.
9. **Monica R. P. Rao**, Deepa U. Warriar, Snehal R. Gaikwad, Prachi M. Shevate. Phosphorylation of psyllium seed polysaccharide and its characterization, **Int J Biol Macromol**, 85:317-326. 2016.
10. **Monica R. P. Rao**, Deepa U. Warriar And Shivani H. Rao. Evaluation Of Phosphorylated Psyllium Seed Polysaccharide As A Release Retardant, **Ind J Pharm Sci.**, 77(5): 605-612.2015.ISSN: 0250-474X.
11. **Monica R. P. Rao** and Rohini C. Bhingole Nanosponge-based pediatric-controlled release dry suspension of Gabapentin for reconstitution, **Drug Dev Ind Pharm**, Early Online: 1–8. May 2015 DOI: 10.3109/03639045.2015.1044903
12. **Monica RP Rao**, Swapnil Shelar. Controlled Release Ion Sensitive Floating Oral in situ Gel of a Prokinetic Drug using Gellan Gum. **Ind J Pharm Edu Res** 49(2), Apr-Jun 2015, 158-167.
13. **Monica RP Rao**, Aafaque Yunusi, Swapnil Shelar. Formulation and Evaluation of Floating Microcapsules of Cefpodoxime Proxetil. **Ind J Pharm Edu Res** 48(4) supplementary, Oct-Dec 2014, 105-113.
14. **Monica RP Rao**, Swapnil U. Shelar, Aafaque Yunusi. Controlled release floating oral *insitu* gel of Itopride Hydrochloride Using pH sensitive polymer. **Int J Pharm Pharma Sci.**, 2014, 6(11), 338-343. ISSN- 0975 – 1491
15. **Rao MRP, Bajaj A.** Study of effect of variables on particle size of telmisartan nanosuspensions using Box-Behnken design. **Drug research**, 2014, 64, 663-667 [DOI:0.1055/s-0034-1368701] (IF: 0.53)
16. **Monica Rao, Priyanka Sadaphule.** Development and evaluation of mucoadhesive buccal tablets of ketorolac tromethamine. **Ind J Pharm Edu Res.**, Vol. 48, Issue 1, Apr-Jun.2014.
17. **Monica Rao**, Sheetal Aghav. Spray-dried redispersible emulsion to improve oral bioavailability of itraconazole. **J Surfactants & Detergents**, **Monica Rao**, Sheetal Aghav. Spray-dried redispersible emulsion to improve oral bioavailability of itraconazole. **J Surfactants & Detergents**, 2014, 17, 4, 807-817. [DOI:10.1007/s11743-013-1538]. (IF: 1.55)

18. **Monica RP Rao.**, Priyanka Sadaphule, M.Khembete, H.Lunawat, K.Thanki, N.Gabhe. Characterization of Psyllium Polysaccharide (*Plantago ovata*) and its use as a binder in Tablets. **Ind J Pharm Edu Res.**, Vol. 47, Issue 2, Apr-Jun.2013.
19. **Monica Rao**, Girish Sukre, Sheetal Aghav, Manmeet Kumar. Optimization of Metronidazole Emulgel, **J of Pharmaceutics**. Vol.3 2013.
20. **Monica RP Rao**, Shital Aghav, Girish Sukre, Manmeet Kumar. Determination of RHLB Of Capryol 90. **J Disp. Sci. Tech.**,35(2), 2014. 161-167. DOI: 10.1080/01932691.2013.777824.
21. **Monica R.P.Rao**, Amrita Bajaj, Amol Pardeshi, Dhanesh Sali. Nanocrystallization by evaporative antisolvent precipitation for enhancement of solubility and bioavailability of telmisartan, **AAPS PharmSciTech.**, 13(4), 2013, 1331-1340. [DOI: 10.1208/S12249-012-9860-x]
22. **Monica R.P. Rao**, Nishad Gabhe, Manasi Gunjal, Supriya Bhide, Harshad Lunavat, Mihir Khambete. Binary And Ternary Solid Dispersions Of Fenofibrate For Solubility Enhancement. **Int J Pharm Pharm Sci.**, Vol 4, Suppl 4, 76-77, 2012.
23. **Monica RP Rao**, Amrita Bajaj, Ishwar Khole, Ghanshyam Munjapara & Francesco Trotta. *In vitro* and *in vivo* evaluation of β -cyclodextrin-based nanosponges of Telmisartan, **J Incl Phenom Macrocycl Chem.**, December 2013, **77 (1-4), 135-145**. DOI 10.1007/s10847-012-0224-7
24. **Monica RP Rao**, Manmeet Kumar, Shital Aghav, Girish Sukre. Development and Validation of HPTLC Method for Determination of bromhexine hydrochloride in Human Plasma. **Res J Pharm Tech.**, 5(8): August 2012.
25. **Monica RP Rao***, Amrita N. Bajaj, Amol A. Pardeshi, Shital S. Aghav. Investigation of nanoporous colloidal carrier for solubility enhancement of Cefpodoxime proxetil. **J of Pharmacy Research**, 2012,5(5),2496-2499.
26. **Monica RP Rao**, Amrita Bajaj, Ishwar Khole and Ghansham Munjapara. Self-nanoemulsifying drug delivery system of cefpodoxime proxetil containing tocopherol polyethylene glycol succinate. **Drug Development and Industrial Pharmacy**..2013 May; 39(5):635-45, DOI: 10.3109/03639045.2012.683440.

27. **Monica RP Rao**, Rewathi Shiledar, Manjiri Bhosale, Mayuresh Garud, Ganesh Medhekar. Comparative dissolution studies of marketed tablets of telmisartan in biorelevant media. **American J Pharmtech Research.**, 2(2), 2012, 655-662.
28. Kaushik Thanki, Sushant Kulthe, Yogesh Mandge, **Monica RP Rao**. Formulation development and IVIVC of Controlled porosity osmotic pump tablets of carvedilol phosphate. **J Pharmacy Research**, 4 (12), 2012, 4736-4740.
29. **Monica RP Rao**, Dhanesh Sali, Amol Pardeshi., Amruta Badhe. Formulation of dual pulse multiparticulate dosage form of an antihypertensive drug. **Pharm Tech.**, (3), 2011, 245-249.
30. **Monica RP Rao**, Yogesh Mandage ,Ghanshyam S.Munjapara., Ishwar Khole. Characterization of solid dispersions of simvastatin with PVPK30 and Poloxamer 188. **Ind.J.Pharm.Edu.Res.**, 45(2), Apr-Jun.2011.,86-90.
31. **Monica RP Rao**, D.G.Bachhav, R.B.Rode, K.R.Nikam, N.D.Pathade. Compatibility study of aceclofenac and tablet disintegrants by thermal and non thermal methods. **Res J Phar Tech.**, 4(3), 2011,423-427.
32. **Monica RP Rao**, M.P.Khambete, H.N.Lunawat. Study of rheological properties of psyllium polysaccharide and its evaluation as suspending agent. **Int J Pharm Tech Res.**, 3(2),2011, 1191-1197. ISSN 09744304.
33. **Monica RP Rao**, Ghanshyam Munjapara,Ishwar Khole. Preparation and evaluation of self-microemulsifying drug delivery system of carvedilol. **Latin Am J Pharmacy.**, 30(5), 2011,837-843. (IF: 2.853)
34. **Monica RP Rao**, Vishal K. Gogad, Girish S. Sonar, Swapnila D. Vanshiv, Amruta S. Badhe. Preparation and Evaluation of Immediate Release tablet of Metoclopramide HCl using Simplex Centroid Mixture Design. **Int J Pharm Tech Res**, Vol.2, No.2, April-June 2010, 1105-1111.
35. **Monica Rao**, Yogesh Mandage, Kaushik Thanki, Sucheta Bhise. Dissolution Improvement of Simvastatin by Surface Solid Dispersion Technology, **Dissolution Technology**, May 2010, 5-13, 26-33.
36. **Monica RP Rao**, Parikh GN, Borate SG, Anuradha A Ranpise, Mandage Yogesh, Kaushik Thanki. Design, evaluation of comparative study of pulsatile release from tablet and capsule dosage forms. **Iranian J Pharm Sci.**, 2009, 5(3), 119-128.

37. **Monica RP Rao**, Anuradha A.Ranpise, KC.Thanki, SG.Borate and GN Parikh. Effect of Processing Methods and Sintering Conditions in the development of Controlled Release Wax Matrix Tablets of Ketorolac Tromethamine. **Ind J Pharm Sci** **2009**, 71(5), 538-544.
38. Girish Sonar, **Monica RP Rao**, RR Mandsaurwale, Vishal K Gogad, Swapnila Vanshiv. Bioadhesive-floating matrix tablet of salbutamol sulphate using response surface methodology: optimization and in vitro evaluation, **J Pharmacy Research**, **2009**, 2(5), 908-14.
39. **Monica Rao**, Anuradha Ranpise, Sameer Borate, Kaushik Thanki. Mechanistic Evaluation of the effect of sintering on Compritol 888 ATO matrices. **AAPS Pharm Sci Tech.**, **2009**, Jun; 10(2): 355–360. DOI: 10.1208/s12249-009-9211-8.10(2):6.
40. **Monica RP Rao**, Borate SG, Thanki KC, Anuradha A Ranpise, Parikh GN. Development & in-vitro evaluation of floating Rosiglitazone maleate microspheres. **Drug Dev Ind Pharm.** 35(7),2009, 834-42.
41. Vanshiv SD, **Monica RP Rao**, Sonar G, Gogad V, Borate S. Physicochemical Characterization & in-vitro dissolution of Domperidone by solid dispersion technique. **Ind J Pharm Edu & Res.**, 43(1), Jan-Mar.2009, 86-90.
42. **Monica RP Rao**, Girish Sonar, Rachana Mandsaurwale, Swapnila Vanshiv. Evaluation of effervescent floating matrix tablet formulations of salbutamol sulphate using full factorial design. **Asian J Pharm.**, Jan-Mar.2009, 43-49.3(1).
43. **Monica RP Rao**, Vanshiv SD, Sonar GS, Gogad VK. Use of Ultrasound in chemical synthesis and particle engineering. **Ind Drugs.** 45(11), Nov.2008, 869-73.
44. Vanshiv SD, **Monica RP Rao**, Sonar GS, Gogad VK. Physicochemical Characterization and in vitro dissolution of Oxcarbazepine and cyclodextrins inclusion complexes. **Ind Drugs.** 45(10), 2008, 816-21.
45. **Monica RP Rao**, Swapnila Vanshiv, Girish Sonar, Vishal Gogad. Physicochemical Characterization of solid dispersions of Oxcarbazepine with PVP K30 and Gelucire 44/14. **Int J Pharm Excip.**, Oct-Dec.2007, 168-74.
46. **Monica Rao**, Devidas Bachchav, Prashant Dighe, Vishal Gogad, Girish Sonar. Comparative Evaluation of Thermal and Nonthermal Methods for Compatibility Studies. **Int J Pharm Excip.**, July-Sept.2007, 84.

47. Monica RP Rao, Bachchav D, Gogad V. Formulation and evaluation of Aceclofenac immediate release tablets. **Ind. Pharmacist**. VI, 61, July 2007, 73-79.

PRESENTATIONS:

1. Poster titled '**Development and evaluation of modified natural polysaccharide and its use as a pharmaceutical excipient**', presented at 68th Indian Pharmaceutical Congress, December 16-18th, 2016 at Andhra University. Vishakhapattanam.
2. Poster titled '**Self nano-emulsifying drug delivery system of mebendazole for treatment of lymphatic filarisis**', presented at 68th Indian Pharmaceutical Congress, December 16-18th, 2016 at Andhra University. Vishakhapattanam
3. Poster titled '**Development and evaluation of modified natural polysaccharide and its use as a pharmaceutical excipient**', presented at Synapse AISSMS College Pharmacy, Pune. Oct-14, 2016.
4. Poster titled '**Development of controlled release multiparticulate system of poorly soluble drug by nanocrystallization**', presented at 67th Indian Pharmaceutical Congress, December 19-21st, 2015 at JSS College of Pharmacy, Mysore.
5. Poster titled '**Modification of Psyllium seed by acrylation and its evaluation for designing controlled drug delivery system**', presented at 67th Indian Pharmaceutical Congress, December 19-21st, 2015 at JSS College of Pharmacy, Mysore.
6. Poster titled '**Design and pharmacodynamic evaluation of microporous osmotic tablets of venlafaxine hydrochloride**', presented at 67th Indian Pharmaceutical Congress, December 19-21st, 2015 at JSS College of Pharmacy, Mysore.
7. Poster titled '**Development of controlled release multiparticulate system of poorly soluble drug by nanocrystallization**' presented at **National Conference on Nanotechnology in Drug delivery research: Innovations, Challenges and Oportunities**', October 16-17, 2015 at Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, Mumbai.
8. Poster titled '**Formulation, Development and Evaluation of controlled release dry suspension for reconstitution**' presented at **National Conference on Nanotechnology in Drug delivery research: Innovations, Challenges and Oportunities**', October 16-17, 2015 at Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, Mumbai.
9. Poster titled '**Characterization of modified psyllium (Plantago ovate) seed polysaccharide and its use as a binder**' accepted for presentation at **66th Indian Pharmaceutical Congress**, January 23rd – 25th, 2015 at HITEX Exhibition Centre, Hyderabad.

10. Poster titled '**Controlled release floating oral in situ gel of Itopride hydrochloride using pH sensitive polymer**' accepted for presentation at **66th Indian Pharmaceutical Congress**, January 23rd – 25th, 2015 at HITEX Exhibition Centre, Hyderabad.
11. Poster titled '**Evaluation of phosphorylated psyllium seed polysaccharide as a release retardant**' presented at **19th Annual Convention of Association of Pharmaceutical Teachers of India** held at Pune between 28th –30th November, 2014.
12. Poster titled '**Development and evaluation of mucoadhesive bilayered buccal patches of ketorolac tromethamine**', presented at 65th Indian Pharmaceutical Congress, December 20-22nd, 2013 at Amity University, New Delhi.
13. Poster presentation titled '**Thermo reversible nasal gels for Parkinsonism**' Monica R.P.Rao & Deepakkumar Agarwal, **6th International Symposium of Indian Pharmaceutical Association on 'Nasal and Pulmonary Drug Delivery: Global Trends'** 24-25th October, 2013 at Mumbai.
14. Poster presentation titled '**Formulation development & evaluation of oral controlled release suspension of cephalosporin antibiotic**' at National level seminar on '**Frontiers in formulation & development technology**' at Allana College of Pharmacy, Pune, 22-24th August 2013.
15. Poster presentation titled '**Telmisartan Nanosuspensions: Optimizing Particle Size Using Design Of Experiments**', Sanju Rai, Bajaj Amrita, Rao Monica, R.P.,**13th International Symposium of Controlled Release Society, Indian Chapter** to be held on Jan.22nd – 23rd, 2013 at JW Mariott, Mumbai.
16. Poster presentation titled '**Telmisartan Nanocrystals For Solubility And Bioavailability Enhancement**', Shrikhande Shruti, Bajaj Amrita, **Rao Monica, R.P.**, Aghav SS, **12th International Symposium of Controlled Release Society, Indian Chapter** held on **Feb.9th-10th, 2012** at Grand Hyatt, Mumbai.
17. Poster presentation titled '**Development & evaluation of pulsatile drug delivery system**'. Kumar Manmeet, Sali DH, **Rao Monica,R.P.**, Aghav SS, **63nd Indian Pharmaceutical Congress-2011**, December 16-18, 2011, Bengaluru, Karnataka.
18. Poster presentation titled '**Nanosponge carriers for solubility enhancement and modulated release**', **Rao Monica,R.P.**, Bajaj Amrita,**11th International Symposium of Controlled Release Society Indian Chapter** held on Feb.16th-17th,2011 at ITC Grand Maratha, Mumbai.
19. Poster presentation titled '**Solid self emulsifying system of cefpodoxime proxetil containing TPGS**'. **Rao Monica,R.P.**,Bajaj Amrita, Munjapara G, Badhe Amruta **62nd Indian Pharmaceutical Congress-2010**, December 17-19, Manipal, Karnataka.
20. Poster presentation titled '**Particle engineering of Fenofibrate with Poloxamer 407 for solubility & dissolution enhancement**', Sali D.H. **Rao M.R.P.**, Bhise S.D., Badhe A.S.,**62nd Indian Pharmaceutical Congress-2010**,December 17-19, Manipal, Karnataka.

21. Poster presentation titled 'Formulation and characterization of novel solid self microemulsifying drug delivery system of Carvedilol', Pardeshi A.A., **Rao M.R.P.**, Munjapara G., Sali D.H., **62nd Indian Pharmaceutical Congress-2010**, December 17-19, Manipal, Karnataka.
22. Poster presentation titled 'Nanoparticulate delivery system for solubility enhancement of Telmisartan', **Rao Monica, R.P.**, Bajaj Amrita, Kolhe I, **16th International Symposium on Innovations in Pharmaceutical Sciences and Technology** 26-27th, November 2010, B.V. Patel Pharmaceutical Education and Research Development (PERD) Center, Ahmedabad.
23. Poster presentation titled 'Particle engineering of Fenofibrate with Poloxamer 407 for solubility & dissolution enhancement' **Bhor 2010**.
24. Poster presentation titled 'Extraction & Evaluation of Natural Polysaccharide as Novel Pharmaceutical Excipient' at **Innovation 2008-09, Regional Conference for Pune University College Teachers** held at **SGRS College of Pharmacy, Saswad** on 5th -6th January 2010.
25. Poster presentation titled 'Solubility enhancement of Fenofibrate using TPGS & Poloxamer 188' at **Avishkar 2009** held at **Sinhagad College of Pharmacy, Wadgaon, Pune**.
26. Poster presentation titled 'Influence of formulation variables on the in vitro performance of controlled porosity osmotic pump tablets of carvedilol phosphate' at **Indian Pharmaceutical Congress** held at **Ahmedabad** between December 2009.
27. Paper titled 'Controlled release sintered wax matrix tablets for Ketorolac Tromethamine: Effect of Processing methods and Sintering' accepted for poster presentation at **36th Annual Meeting & Exposition of the Controlled Release Society** held at **Copenhagen, Denmark** between 18th-22nd July 2009.
28. Paper titled 'Formulation development and in vitro evaluation of controlled release wax matrix tablets of Ketorolac tromethamine' accepted for poster presentation at **12th Annual International Symposium of the Canadian Society for Pharmaceutical Sciences** held at **Ontario, Canada** between 3rd-6th June 2009.
29. Poster presentation titled 'Extraction & Evaluation of Natural Polysaccharide as Novel Pharmaceutical Excipient' at **Innovation 2008-09, Regional Conference for Pune University College Teachers** held at **SGRS College of Pharmacy, Saswad** on 21st-22nd November 2008.
30. Poster presentation titled 'Design and evaluation of multiparticulate pulsatile drug delivery system' at **Indian Pharmaceutical Congress** held at **New Delhi** between December 2008.
31. Poster presentation titled **1] Solid dispersions of Oxcarbazepine with PVP K30 & Gelucire 44/14 2] Teaching Methodology 3] Revamping curriculum: Need of the hour 4] Effect of polymer**

ratio & HPMC grade on the release characteristics of Bioadhesive floating tablet formulation using response surface methodology at **Indian Pharmaceutical Congress** held at **Benares** between December 2007.

32. Poster presentation titled **1]Preparation and evaluation of solid dispersions of domperidone-PEG 4000-surfactant system 2]Comparitive evaluation of different carriers for improving solubility of drug 3]Optimization of salbutamol sulphate bioadhesive floating matrix table formulation using factorial design at seminar on Frontiers in drug discovery and process research held at Bharati Vidyapeeth's College of Pharmacy, Kolhapur on 3rd & 4th March 2007.**

33. Poster presentation titled **1]Preparation and evaluation of gas generating salbutamol sulphate matrix tablets using stearic acid 2]Preparation and evaluation of bilayer tablets with two incompatible drugs at 7th International Symposium of Controlled Release Society, Indian Chapter at Mumbai on 13th & 14th February, 2007.**

34. Poster presentation titled 'Cancer Immunotherapy' in Jan.2006 at National Seminar on Challenges and Opportunities posed by Biotechnology and IPR at **PES College of Pharmacy, Bangalore.**

35. Poster presentation titled **1] Need-based Pharma education 2]Knowledge management at 7th National APTI Convention at Goa** in Sept.2002.

36. Poster presentation titled **1]Continuing Education Programme 2]Classroom management 3] Communication skills at 6th National APTI Convention at Nasik** in Sept.2001.

CONFERENCES/ SYMPOSIUMS/CONVENTIONS ATTENDED:

- 19th Annual Convention of **Association of Pharmaceutical Teachers of India** held at Pune between 28th –30th November, 2014.
- 6th Symposium of **Indian Pharmaceutical Association** on 'Nasal and Pulmonary Drug Delivery: Global Trends' 24-25th October, 2013 in Mumbai.
- **11th International Symposium of Controlled Release Society Indian Chapter** held on **Feb.16th-17th, 2011** at ITC Grand Maratha, Mumbai.
- **16th International Symposium on Innovations in Pharmaceutical Sciences and Technology** 26-27th,November 2010,B.V.Patel Pharmaceutical Education and Research Development (PERD)Center, Ahmedabad.
- National Seminar on '**Present & Future Perspective of Drug Delivery System**' at PES College of Pharmacy, Bangalore on 28th & 29th December,2007.
- **7th International Symposium of Controlled Release Society Indian Chapter** at Mumbai on 13th & 14th February, 2007.

- **AICTE-ISTE** sponsored two weeks Short Term Training Programme on ‘**Current Trends in Formulation Technology of New Drug Delivery Systems**’ held at Nirma University of Science & Technology, Ahmedabad between 1st-15th November 2003.
- **ISTE** sponsored two weeks faculty development program on ‘**Advances in Pharmaceutical Sciences**’, held at BV’s Poona College of Pharmacy between 22nd May – 6th June 2003.
- One day seminar on ‘**Dissolution Testing of Pharmaceuticals**’ organized by **Bharati Vidyapeeth’s Poona College of Pharmacy**, on 8th Sept, 2001.
- **AICTE** sponsored one week National Seminar on ‘**New Avenues in Drug Design**’ at AISSMS College of Pharmacy between 14th – 19th May 2001.
- **AICTE-ISTE** sponsored two-weeks Short Term Training Program Titled ‘**Pharmaceutical Technology in Next Millennium**’ at AISSMS College of Pharmacy between 19th June to 1st July 2000.
- ‘**The Latest Advances in the Pharmaceutical Technology**’ organized by **Indian Pharmaceutical Association** on 30th September 1999.

REVIEWER:

- Drug Development & Industrial Pharmacy
- Food Hydrocolloids
- Indian Journal of Pharmaceutical Sciences
- AAPS Pharmscitech