



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

Accredited 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

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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: 21 yrs.
- ❖ Research: 14 Yrs
- ❖ Industry: 06 months

AREAS OF INTEREST:

Solubility enhancement

Self nano emulsifying drug delivery

Nanosponges

M. PHARM STUDENTS GUIDED: 50

- ❖ Approved as PG guide by Savitribai Phule Pune University and guided 50 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

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- Faculty Development Programme
- ❖ In Charge of Curriculum Design under NAAC
- ❖ Member- Steering Committee and Governance Committee under NAAC
- ❖ Member- College Development Committee, Research Advisory Committee, Internal Complaints Committee, Library Advisory Committee, Internal Quality Assurance Cell, Parents Meet
- ❖ Member- Organizing Committee- SYNAPSE for the year 2016-17 and 2018-19
- ❖ 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.
- ❖ **Reviewer for International and National journals** such as Drug Development & Industrial Pharmacy, Food Hydrocolloids, Indian Journal of Pharmaceutical Sciences.

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: 50
- ❖ H index - 12
- ❖ i10 Index - 14
- ❖ No of Citations - 432

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. **Rao Monica** , Kamble Priyanka. Formulation and evaluation of antifungal proniosomal Gel for oral candidiasis. **J Drug Del & Ther.** (2018); 8(4):291-301.
2. **Rao Monica***, **Kadam Manali**, **Rao Shivani**. Formulation And Evaluation Of Topical Formulation For Cutaneous Tuberculosis. **J Drug Del & Ther.**(2018); 8(4):102-116
3. **Monica RP Rao**, Jagruti Chaudhari, Francesco Trotta, and Fabrizio Caldera. Investigation of Cyclodextrin-Based Nanosponges for Solubility and Bioavailability Enhancement of Rilpivirine. **AAPS PharmSciTech** 19(5), (2018) 2358-2369.
DOI: 10.1208/s12249-018-1064-6.
4. **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.
5. **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.
6. **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

7. **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.
8. **Monica RP Rao, VM Pawar.** Enhanced Solubility And Bioavailability of Sulfasalazine By Evaporative Nanocrystallization. **World J Pharm Res**, 5(9), 2016, 814- 832.
9. **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>
10. **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.
11. **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.
12. **Monica R. P. Rao,** Deepa U. Warriar, Snehal R. Gaikwad, Prachi M. Shevate. Phosphorylation of psyllium seed polysaccharide and it's characterization, **Int J Biol Macromol**, 85:317-326. 2016.
13. **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.
14. **Monica R. P. Rao** and Rohini C. Bhingole Nanosponge-based pediatric-controlled release dry suspension of Gabapentin for reconstitution, **Drug Dev Ind Pharm**, 2015;41(12):2029-36 DOI: 10.3109/03639045.2015.1044903
15. **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.

16. **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.
17. **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**
18. **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**)
19. **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.
20. **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**)
21. **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.
22. **Monica Rao**, Girish Sukre, Sheetal Aghav, Manmeet Kumar. Optimization of Metronidazole Emulgel, **J of Pharmaceutics**. Vol.3 2013.
23. **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.
24. **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]

25. **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.
26. **Monica RP Rao**, Amrita Bajaj, Ishwar Khole, Ghanshyam Munjapara & Francesco Trotta. *In vitro* and *in vivo* evaluation of α -cyclodextrin-based nanosponges of Telmisartan, **J Incl Phenom Macrocycl Chem.**, December 2013, 77 (1-4), 135-145. DOI 10.1007/s10847-012-0224-7
27. **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.
28. **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.
29. **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.
30. **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.
31. 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.
32. **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.
33. **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.

- 34. 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.
- 35. 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.
- 36. 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)
- 37. 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.
- 38. 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.
- 39. 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.
- 40. 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.
- 41. 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.
- 42. 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.

43. **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.
44. 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.
45. **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).
46. **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.
47. 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.
48. **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.
49. **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.
50. **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. Vishakhapatnam.
2. Poster titled '**Self nano-emulsifying drug delivery system of mebendazole for treatment of lymphatic filariasis**', presented at 68th Indian Pharmaceutical Congress, December 16-18th, 2016 at Andhra University. Vishakhapatnam

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 Opportunities'**, 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 Opportunities'**, 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 Marriott, 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]Comparative 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 between1st-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

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