



**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

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**Name:** Dr. Monica RP Rao

**Designation :** Associate Professor

**Qualifications :** M. Pharm, Ph.D.

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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: 28 yrs.
- ❖ Research: 20 Yrs
- ❖ Industry: 06 months

**SUBJECTS:**

B Pharm: Physical Pharmaceutics (since 1997)

M Pharm: Novel drug delivery systems (since 2012), Molecular Pharmaceutics

### **AREAS OF INTEREST:**

Solubility enhancement  
Self nano emulsifying drug delivery  
Nanosponges

### **PHD STUDENTS: Guiding 02**

### **M. PHARM STUDENTS GUIDED: 80**

### **BOOKS AUTHORED:**

### **PUBLICATION OF INVITED CHAPTER:**

- **Ashwini Madgulkar, Monica RP Rao, Deepa Warrier.** (2014). 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, **DOI:** [10.1007/978-3-319-03751-6\\_49-1](https://doi.org/10.1007/978-3-319-03751-6_49-1).  
[ISBN: 978-3-319-03751-6]
- **Rao M.R.P., Ghadge, I., Kulkarni, S., Madgulkar, A.** (2023). Importance of Plant Secondary Metabolites in Modern Therapy. In: Mérillon, JM., Ramawat, K.G. (eds) Plant Specialized Metabolites. Reference Series in Phytochemistry. Springer, Cham.  
[https://doi.org/10.1007/978-3-031-30037-0\\_5-1](https://doi.org/10.1007/978-3-031-30037-0_5-1).  
[Print ISBN978-3-031-30037-0, Online ISBN 978-3-031-30037-0]

### **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): 03
- ❖ Amount of Research Grant Received: 4.2 Lakh

### **INSTITUTIONAL AND ADMINISTRATIVE RESPONSIBILITIES:**

- ❖ In Charge-Value added courses
- ❖ In Charge-Departmental library for Pharmaceutics department
- ❖ In Charge of Research And Development Committee
- ❖ Co- in Charge of Autonomy
- ❖ In Charge: Criteria 9 in NAAC as per Binary Metric System

- ❖ Member- Internal Quality Assurance Cell
- ❖ Member- Organizing Committee- SYNAPSE for the year 2016-17, 2018-19, 2022-23, 2-23-24
- ❖ 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 14<sup>th</sup> 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 31<sup>st</sup> January 2017.
- ❖ **Reviewer for International and National journals** such as Drug Development & Industrial Pharmacy, Food Hydrocolloids, Indian Journal of Pharmaceutical Sciences, AAPS Pharmscitech

#### **AWARDS/ACHIEVEMENT/MEDALS:**

- Cleared GATE examination with 89.14 percentile
- Recipient of AICTE Scholarship during M. Pharm. Course.
- Best poster titled ‘**Thermoreversible nasal gels for Parkinsonism**’ at **6<sup>th</sup> Symposium of Indian Pharmaceutical Association on ‘Nasal and Pulmonary Drug Delivery: Global Trends’ 24-25<sup>th</sup> October, 2013** at Mumbai.
- Completed AICTE Training and Learning Academy, online FDP on ‘**Drug disposition: An important factor in drug engineering**’ from **1<sup>st</sup> to 5<sup>th</sup> June 2021**.
- Completed AICTE Training and Learning Academy, online FDP on ‘**Emotional Intelligence**’ from **19<sup>th</sup> to 23<sup>rd</sup> October 2020**.
- Achieved 82% in **online SWAYAM-NPTEL** course on “ Scientific writing in health research” in April 2025
- Achieved 68% **score** in **online SWAYAM-NPTEL course** on ‘Brief Introduction to Psychology’ with Elite medal in September 2022.
- Achieved **88% score** in **online SWAYAM-NPTEL course** on ‘Body language- Key to professional success’ in October 2020.
- Achieved **75% score** in **online SWAYAM-NPTEL course** on ‘Stress Management’ with Elite-Silver medal in October 2019.
- Delivered lecture on “**Scientific writing- Ideation to publication**” as **resource person** at SPPU sponsored **National Seminar** on ‘Art of Scientific Writing and Publication /

Role of Research Proposal in Scientific Investigations' at DY Patil College of Pharmacy, Akurdi, Pune on **15<sup>th</sup> -16<sup>th</sup> February 2019**.

- Delivered lecture on “**Scientific writing**” as **resource person** at National level online conference on “ Recent landscapes in Research & Development” at Arvind Gawli College of Pharmacy, Jaitapur, Satara on **15<sup>th</sup> January 2022**.
- One day HPTLC training at Anachrom Enterprises, Mumbai in **2007**
- Completed Certificate Course in Office Automation ECIL-BDPS in **2000** with Distinction
- **Won first prize in e-poster competition for project titled ‘Mucoadhesive vaginal tablets of clotrimazole by liquisolid technology’** presented by PG students, Mr. Abhijit Valvi and Mr. Abhimanu Utturkar at SPPU sponsored 02 days SPPU sponsored National seminar on ‘Exploring the current advancements in chromatographic techniques’ on **17<sup>th</sup>- 18<sup>th</sup> January 2020** at DPU Dr.D.Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri.
- **Secured third position** in e-Poster titled ‘**Formulation and Evaluation of sunscreen emulgel of neem seed oil**’ presented by Sushant Deshpande, Abhijit Valvi, **Monica RP Rao** at **AICTE** sponsored **International Conference** on ‘Natural Products for Drug Discovery and Development towards healthier life in 21<sup>st</sup> century: Research, Innovation and Ideas’ organized by Modern Institute of Pharmaceutical Sciences, Indore, MP on **12<sup>th</sup> March 2022**.
- Delivered **guest lecture** at Modern College of Pharmacy, Nigdi, Pune on 5<sup>th</sup> May 2022 on the topic ‘ Diffusion and BCS classification’.
- Delivered **guest lecture** at **Shree Santkrupa College of Pharmacy, Ghogaon, Karad**, on “ Role of HLB in formulation of pharmaceuticals” on 21<sup>st</sup> December 2022.
- Invited as **judge** for Poster Presentation competition at Sinhgad College of Pharmacy, Wadgaon as part of National Pharmacy Week celebrations on 14<sup>th</sup> February 2023.
- Completed **industrial project** of Pristino Pharma, Pune for “Characterization of herbal sunscreen” between October 2022 to January 2023.
- **Listed in World Rankings of Scientists published by Stanford University for 04 consecutive years and ranked 4th in the institute in terms of H index.**

## **“PUBLICATIONS:**

- ❖ CHAPTERS: 02 in Springer Publications.
- ❖ REVIEWS: 14
- ❖ NATIONAL & INTERNATIONAL RESEARCH PUBLICATIONS: 72
- ❖ H index - 21
- ❖ i10 Index - 38
- ❖ No of Citations – 1721 [ as on 31.10.2025]
- ❖ <https://scholar.google.com/citations?user=cd-jALcAAAAJ&hl=en&authuser=1>

## **\*REVIEW PUBLICATIONS\***

### **2022-23**

1. **Rao Raghavendra Prasad Monica\***, Ghadge Sangram Isha, Kulkarni Prasanna Saurav and Asthana Tanya, Computational Techniques for Drug Repurposing: A Paradigm Shift in Drug Discovery, **Current Drug Therapy** 2023; 18(4),271-284.  
[https://dx.doi.org/10.2174/1574885518666230207143523 E](https://dx.doi.org/10.2174/1574885518666230207143523)
2. **Rao Monica RP \***,Valvi Abhijeet, Misal Poonam, Gaikwad Pranjali, Narale Vaibhav, Karmankar Darshan. Therapeutic phytoconstituents for Alzheimer's disease: An Overview. **World J Pharm Res.**, 12(9),2575-2590.

### **2021-22**

1. **Monica RP Rao\***, Sayali Sugaonkar , Apurva Gurav , Tejal Kawade, Megha Kadam. Lifestyles And Prevalence Of Polycystic Ovarian Syndrome Among College Students: A CrossSectional Study In Pune, Urban, Maharashtra, India. 2021 **IJRAR**,8(2), 703-714.

### **2020-21**

1. **Monica RP Rao**, Ashwini Sonawane, Sharwari Sapate, Gajanan Paul, Saurabh Rohom. Nanosponges: A Multifunctional Drug Delivery System. **Int. J of All Res Edu & Sci Meth**, May 2021:9(5);2588-2599.
2. **Monica RP Rao**, Ashwini Sonawane, Sharwari Sapate, Kshitija Abhang. Exploring recent advances in nanotherapeutics. **J Drug Del & Therap.**, 10(5-s), 2020,273-2 80. DOI: 10.22270/jddt.v10i5-s.4484

### **2006-07**

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](http://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.

## 2002-2003

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 12<sup>th</sup> 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\*

### 2024-25

1. Rao, M. R., Patil, M., Bagwan, B., Patil, P., & Bhaleghare, I. (2025). Physico-mechanistic studies on effect of spray drying and corrective excipients on direct compressibility of nanosponges by SeDeM analysis. *Drug Development and Industrial Pharmacy*, 1–13. <https://doi.org/10.1080/03639045.2025.2522854> June 2025

### 2023-24

1. **Monica RP Rao**, Pranjali Gaikwad, Poonam Misal, Santosh V. Gandhi, Phyto-cosmeceutical gel containing curcumin and quercetin loaded mixed micelles for improved anti-oxidant and photoprotective activity, *Colloids and Surfaces B: Biointerfaces*, Volume 237, 2024, 113837, ISSN 0927-7765, <https://doi.org/10.1016/j.colsurfb.2024.113837.0927-7765>, H index: 185
2. **Rao MRP**, Sakharwade SA. Enhancement of Solubility of Albendazole by Inclusion Complexation with Nanosponges and B-Cyclodextrin. *Indian J of Pharmaceutical Education and Research*. 2024;58(1s):s306-s315
3. **Monica R. P. Rao\***, Jidnyasa A. Pawar. Solubility Enhancement of Nevirapine Using B-Cyclodextrin Nanosponges. *Int. J. Pharm. Investigation.*, 2023; 13(3):496-502.

### 2022-23

1. **Rao, M.R.**, Deshpande, S. & Deshpande, P. Dapsone-Loaded Mixed Micellar Gel for Treatment of Acne Vulgaris. **AAPS PharmSciTech**. 24, 109 (2023). <https://doi.org/10.1208/s12249-023-02564-1>. PMID: 37100968

2. **Monica Raghavendra Prasad Rao**, Ashwini Sanjay Sonawane, Sharwari Alhad Sapate, Chetan Hasmukh Mehta, UshaYogendra Nayak. Molecular modeling and in vitro studies to assess solubility enhancement of nevirapine by solid dispersion technique. **Journal of Molecular Structure**. Volume 1273, 2023, 134373,ISSN 0022-2860, <https://doi.org/10.1016/j.molstruc.2022.134373>.
3. **Monica RP. Rao, Omkar Kudumble**. Factorial Design Experiments for Preparing Sustained Release Matrix Tablets of Meclizine HCl. **Int J Pharm Pharmaceu Res.**, 2022; Vol. 25 (1): 435-451.
4. **Monica RP. Rao\*** , Amruta S. Badhe, Jidnyasa Pawar, Sushant Deshpande, Omkar Kudumble. ' Enhancement Of Bioavailability Of Poorly Water-Soluble Drug By Solid SMEDDS'. **Indo American Journal of Pharmaceutical Research**.2022:12(05).424-439.
5. **Monica RP. Rao\*** , Suhen N. Chutake, Madhura R. Patil, Saloni A. Sakharwade. Oral Controlled Release And Taste Masked Suspension Of Cephalexin Using Ion Exchange Resin. **Indo Am J Pharm Res**.2022:12(05). 440-450.  
*Impact Factor* : 7.381 ICV 2015 - 61.16 · CODEN : IAJPBB ISSN 2349-7750. SJIF: 7.157

### 2021-22

1. **Monica RP Rao**, Amol Pardeshi. 'Artemether and Lumefantrine loaded self nanoemulsifying drug delivery system for enhancement of bioavailability' **Ind J Pharm Edu Res.**, 56 (2) (Suppl.), Apr-Jun2022, **s171-s180**.
2. **Monica R P. Rao**, Sharwari Sapate, Ashwini Sonawane. Pharmacotechnical Evaluation by SeDeM Expert System to Develop Orodispersible Tablets. **AAPS PharmSciTech.**, 2022, 23:133 <https://doi.org/10.1208/s12249-022-02285-x>.Published online May 2022.  
PMID: 35534652
3. **Rao Monica**, Gajanan Paul. Delivery of clotrimazole by mucoadhesion for treatment of candidiasis. **J Drug Del Therap.**, 2021: 11 (6), 6-14.
4. **Monica RP Rao**, Sayali Kulkarni, Ashwini Sonawane, Sayali Sugaonkar. Self-nanoemulsifying drug delivery system of cilnidipine. **Ind J Pharm Edu Res.**, July-Sept.2021, 55(3): 664-76. Doi: 10.5530/ijper.55.3.138

### 2020-21

5. **Monica RP Rao**, Sayali Sugaonkar, Apurva Gurav, Tejal Kawade , Megha Kadam. Lifestyles And Prevalence Of Polycystic Ovarian Syndrome Among College Students: A

Cross Sectional Study In Pune, Urban, Maharashtra, India. **Int J Res Anal Rev.**, June 2021, 8(2);703-714.

6. **Monica R. P. Rao**, Rohit Vidyadhar Godbole, Sameer G. Borate, Sanskar Mahajan & Tejal Gangwal. Nanosuspension coated multiparticulates for controlled delivery of albendazole. **Drug Dev Ind Pharm.** 2021;47(3):367-376.  
<https://doi.org/10.1080/03639045.2021.1879830> Posted Online: 25.01.2021.

- PMID: 33492985

## 2019-20

7. **Monica R.P. Rao**, Mayuri Magar. Multiparticulate drug delivery system for gastro intestinal tuberculosis. **Int J Pharm Sci Drug Res.** 2019;11(5):210-20.  
**ISSN:- 2250-3250**
8. **Monica R.P. Rao**, Pooja Karanjkar. Formulation and development of gastroretentive drug delivery system of efavirenz. **Int J Pharm Sci Drug Res.** 2019;11(5):231-40.
9. **Monica R.P.Rao**, Zope Abhishek. Formulation and Evaluation of Mucoadhesive Clotrimazole vaginal tablet using liquisolid technology. **J Drug Del & Ther.** 2019; 9(4-A):477-485.
10. **Monica R.P.Rao**, Sonavane Vijay, Sayali Kulkarni, Zope Abhishek, Mayuri Magar, Pooja Karanjkar. Design of transdermal patch of ketoprofen by full factorial design for treatment of rheumatoid arthritis. **J Drug Del & Ther.** 2019; 9(2):197-205.

## 2018-19

11. **Monica R. P. Rao**, Kirti Bhutada, and Pauroosh Kaushal. Taste Evaluation by Electronic Tongue and Bioavailability Enhancement of Efavirenz. **AAPS PharmSciTech.** (2019);20(2):56 PMID: 30617434
12. **Monica R. P. Rao**, Sneha P. Raut, C. T. Shirsath, Monali B. Jadhav and Pranoti A. Chandanshive. Self-nanoemulsifying Drug Delivery System of Mebendazole for Treatment of Lymphatic Filariasis. **Ind J Pharm Sci** (2018);80(6):1057-1068.
13. **Monica RP Rao** and Laxmi S Babrekar. Liposomal Drug Delivery for Solubility and Bioavailability Enhancement of Efavirenz. **Ind J Pharm Sci** (2018) ;80(6):1115-1124.
14. **Rao Monica** , Kamble Priyanka. Formulation and evaluation of antifungal proniosomal Gel for oral candidiasis. **J Drug Del & Ther.** (2018); 8(4):291-301.
15. **Rao Monica\***, **Kadam Manali**, **Rao Shivani**. Formulation And Evaluation Of Topical

Formulation For Cutaneous Tuberculosis. **J Drug Del & Ther.** (2018); 8(4):102-116

**16. Monica RP Rao**, Jagruti Chaudhari, Francesco Trotta, and Fabrizio Caldera. Investigation of Cyclodextrin-Based Nanosponges for Solubility and Bioavailability Enhancement of Rilpivirine. **AAPS PharmSciTech** (2018); 19(5):2358-2369.

**2017-18**

**17. 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.

**18. 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.

**19. 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

**20. 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.

**2016-17**

**21. Monica RP Rao, VM Pawar.** Enhanced Solubility And Bioavailability of Sulfasalazine By Evaporative Nanocrystallization. **World J Pharm Res**, 5(9), 2016, 814- 832.

**22. 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>

**23. 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.

**24. 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.

25. **Monica R. P. Rao**, Deepa U. Warrier, Snehal R. Gaikwad, Prachi M. Shevate. Phosphorylation of psyllium seed polysaccharide and it's characterization, **Int J Biol Macromol**, 85:317-326. 2016.

**2015-16**

26. **Monica R. P. Rao**, Deepa U. Warrier 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.

27. **Monica R. P. Rao** and Rohini C. Bhingole Nanospunge-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

28. **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.

**2014-15**

29. **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.

30. **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**

31. **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)

32. **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.

33. **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)

### 2013-14

34. **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.
35. **Monica Rao**, Girish Sukre, Sheetal Aghav, Manmeet Kumar. Optimization of Metronidazole Emulgel, **J of Pharmaceutics**. Vol.3 2013.
36. **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.
37. **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]

### 2012-13

38. **Monica R.P. Rao**, Nishad Gabhe, Manasi Gunjal, Supriya Bhide, Harshad Lunavat, Mihir Khambete. Binary And Ternary Solid Dispersions Of Fenofibrate For SolubilityEnhancement. **Int J Pharm Pharm Sci.**, Vol 4, Suppl 4, 76-77, 2012.
39. **Monica RP Rao**, Amrita Bajaj, Ishwar Khole, Ghanshyam Munjapara & Francesco Trotta. *In vitro* and *in vivo* evaluation of  $\beta$ -cyclodextrin-based nanosponges of Telmisartan, **J Incl Phenom Macrocycl Chem.**, December 2013, **77 (1-4)**, 135-145. DOI 10.1007/s10847- 012-0224-7
40. **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.
41. **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.

42. **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.

43. **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.

44. 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.

#### 2011-12

45. **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.

46. **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.

47. **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.

48. **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.

49. **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)

#### 2010-11

50. **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.

51. **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.

**2009-10**

52. **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.

53. **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.

54. 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.

55. **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.

56. **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.

57. 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.

58. **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).

**2008-09**

**59. 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.

**60. Vanshiv SD, Monica RP Rao**, Sonar GS, Gogad VK. Physicochemical Characterization and in vitro dissolution of Oxcarbazepine and  $\beta$  cyclodextrins inclusion complexes. **Ind Drugs.** 45(10), 2008, 816-21.

#### **2006-07**

**61. 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.

**62. 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.

**63. 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 '**Phytocosmeceutical Gel containing Curcumin and Quercetin loaded mixed micellar gel for improved Anti-oxidant and Photoprotective activity**' presented by Bushra Bagwan, Pranjali Gaikwad, Monica Rao presented at Quality Standards of Herbal Formulations: Opportunities and Challenges organized by Pravara College of Pharmacy, Pravaranagar held on 7<sup>th</sup> and 8<sup>th</sup> March 2025.
2. Poster titled '**Formulation, Optimization and Evaluation of Quercetin loaded Nanoemulgel for Diabetic Wound Healing**' presented by Isha Bhaleghare, Sakshi Bhendekar, Monica Rao, presented at Innovate Pharma Connect 2024: Fostering Collaborations for Education and Research Excellence organized by School of Pharmacy Vishwakarma University ,Pune held on 4<sup>th</sup> and 5<sup>th</sup> December 2024.
3. Poster titled '**Physico-mechanistic studies on effect of Spray drying and Corrective excipients on direct compressibility of nanosponges by SeDeM Analysis**' presented by Bushra Bagwan, Prerana Patil, Isha Bhaleghare ,Monica Rao presented at 5<sup>th</sup> National Conference on Innovation in Engineering and Technology (NCIET 2024) organized by AISSMS College of Engineering, Pune held on 8<sup>th</sup> and 9<sup>th</sup> April 2025.

4. Poster titled '**Solubility Enhancement of Nevirapine Using  $\beta$ -Cyclodextrin Nanosponges**' presented by Vaibhav Narale, Dhanshri Wabale, Jidnyasa A. Pawar, Monica Rao, presented at **Synapse 2022** at AISSMS College Pharmacy, Pune.
5. Poster titled '**Novel Dapsone based Micellar gel for treatment of Acne Vulgaris**' presented by Poonam Misal, Sushant Despande, Monica Rao, presented at **The 3<sup>rd</sup> Student Research Congress 2022** organised by SVKM's Dr. Bhanuben Nanavati College Of Pharmacy, Vile Parle, Mumbai on 28<sup>th</sup> –30<sup>th</sup> September 2022.
6. Poster titled '**New Perspective to Develop Nevirapine Orally Disintegrating tablets by the Application of Novel SeDem Expert System**' presented by Pranjali Gaikwad, Sharwari Sapate, Monica Rao, presented at **The 3<sup>rd</sup> Student Research Congress 2022** organised by SVKM's Dr. Bhanuben Nanavati College Of Pharmacy, Vile Parle, Mumbai on 28<sup>th</sup> –30<sup>th</sup> September 2022.
7. Poster titled '**New Perspective to Develop Nevirapine Orally Disintegrating tablets by the Application of Novel SeDem Expert System**' presented by Pranjali Gaikwad, Monica Rao, Sharwari Sapate, Dhanshri Wable presented at **72<sup>nd</sup> Indian Pharmaceutical Congress** held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, during January 20-22, 2023.
8. Poster titled '**Solubility Enhancement of Nevirapine Using  $\beta$ -Cyclodextrin Nanosponges**' presented by Dhanshri Wabale, Jidnyasa A. Pawar, Pranjali Gaikwad, Monica Rao, presented at **72<sup>nd</sup> Indian Pharmaceutical Congress** held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, during January 20-22, 2023.
9. Poster titled '**Formulation and Evaluation of sunscreen emulgel of neem seed oil**' presented by Sushant Deshpande, Abhijit Valvi, **Monica RP Rao** at **AICTE sponsored International Conference** on 'Natural Products for Drug Discovery and Development towards healthier life in 21<sup>st</sup> century: Research, Innovation and Ideas' organized by Modern Institute of Pharmaceutical Sciences, Indore, MP on 12<sup>th</sup> March 2022. **Secured third position.**
10. Poster titled "**Improved bioavailability of cilnidipine by self nanoemulsifying drug delivery system**" presented by Jidnyasa Pawar, Sayali Kulkarni, Monica Rao at 20<sup>th</sup> International e-Symposium on Advances in technology and Business potential of New Drug Delivery Systems from 24<sup>th</sup> -26<sup>th</sup> February 2022.
11. Poster titled "**Application of SEDEM and SEDEM- ODT Expert System for Development of Orosoluble Tablets**" presented by Madhura Patil, Sharwari Sapate, Monica Rao at 20<sup>th</sup> International e-Symposium on Advances in technology

and Business potential of New Drug Delivery Systems from 24<sup>th</sup> -26<sup>th</sup> February 2022.

12. Poster titled "**Treatment of acne vulgaris using dapsonc loaded mixed micellar gel**" presented by Saloni Sakharwade, Sayali Sugaonkar, Monica Rao at 20<sup>th</sup> International e-Symposium on Advances in technology and Business potential of New Drug Delivery Systems from 24<sup>th</sup> -26<sup>th</sup> February 2022.
13. **Poster titled 'Mucoadhesive vaginal tablets of clotrimazole by liquisolid technology'** presented by PG students, Mr. Abhijit Valvi and Mr. Abhimanyu Utturkar at SPPU sponsored 02 days SPPU sponsored National seminar on "Exploring the current advancements in chromatographic techniques" on 17<sup>th</sup> – 18<sup>th</sup> January 2020 at DPU Dr. D.Y. Patil Institute of Pharmaceutical Sciences and Research, **Pimpri**.
14. **Poster titled 'Solid SNEDDS of cilnidipine'** presented by PG students, Mr. Sanskar Mahajan and Ms. Tejal Gangwal at SPPU sponsored 02 days International seminar on "**Intervention of nanotechnology in targeted drug delivery system**" on 13<sup>th</sup> – 14<sup>th</sup> January 2020 at STES's Sinhgad College of Pharmacy, Pune.
15. Abstract titled '**Cutaneous tuberculosis: efficient therapy through topical gel**' submitted online under PG student category to SPPU- Avishkar. Manali Kadam, Monica RP Rao, Sanskar Mahajan, Tejal Gangwal. and selected for 2<sup>nd</sup> round
16. Poster titled "**Solubility Enhancement of Efavirenz by development of Self Nano-Emulsifying Drug Delivery System (SNEDDS)**". Rao Monica\*, Rohom Sourabh, Panse Mayuri, Keskar Ria, presented at Metexplore 2019 at MET College Pharmacy, Nasik.Oct-16, 2018.
17. Poster titled "**Formulation and evaluation of topical formulation for Cutaneous Tuberculosis**" Rao Monica\*, Kadam Manali, Rao Shivani, Abhishek Zope, Mayuri Magar, presented at Synapse 2018 at AISSMS College Pharmacy, Pune.Oct-16, 2018.
18. Poster titled "**Formulation and Evaluation of Antifungal Proniosomal Gel for Oral Candidiasis**" Rao Monica, Priyanka Kamble, Rao Shivani, Pooja Karanjkar, Sayali Kulkarni presented at Synapse 2018 at AISSMS College Pharmacy, Pune.Oct-16, 2018.
19. Poster titled '**Development and evalution 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.
20. 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
21. Poster titled '**Development and evalution of modified natural polysaccharide and its**

**use as a pharmaceutical excipient**', presented at Synapse AISSMS College Pharmacy, Pune.Oct-14, 2016.

22. Poster titled '**Development of controlled release multiparticulate system of poorly soluble drug by nanocrystallization**', presented at 67<sup>th</sup> Indian Pharmaceutical Congress, December 19-21<sup>st</sup>, 2015 at JSS College of Pharmacy, Mysore.
23. Poster titled '**Modification of Psyllium seed by acrylation and its evaluation for designing controlled drug delivery system**', presented at 67<sup>th</sup> Indian Pharmaceutical Congress, December 19-21<sup>st</sup>, 2015 at JSS College of Pharmacy, Mysore.
24. Poster titled '**Design and pharmacodynamic evaluation of microporous osmotic tablets of venlafaxine hydrochloride**', presented at 67<sup>th</sup> Indian Pharmaceutical Congress, December 19-21<sup>st</sup>, 2015 at JSS College of Pharmacy, Mysore.
25. 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.
26. 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.
27. Poster titled '**Characterization of modified psyllium (*Plantago ovata*) seed polysaccharide and its use as a binder**' accepted for presentation at **66<sup>th</sup> Indian Pharmaceutical Congress**, January 23<sup>rd</sup> – 25<sup>th</sup>, 2015 at HITEX Exhibition Centre, Hyderabad.
28. Poster titled '**Controlled release floating oral in situ gel of Itopride hydrochloride using pH sensitive polymer**' accepted for presentation at **66<sup>th</sup> Indian Pharmaceutical Congress**, January 23<sup>rd</sup> – 25<sup>th</sup>, 2015 at HITEX Exhibition Centre, Hyderabad.
29. Poster titled '**Evaluation of phosphorylated psyllium seed polysaccharide as a release retardant**' presented at **19<sup>th</sup> Annual Convention of Association of Pharmaceutical Teachers of India** held at Pune between 28<sup>th</sup> –30<sup>th</sup> November, 2014.
30. Poster titled '**Development and evaluation of mucoadhesive bilayered buccal patches of ketorolac tromethamine**', presented at 65<sup>th</sup> Indian Pharmaceutical Congress, December 20-22<sup>nd</sup>, 2013 at Amity University, New Delhi.
31. Poster presentation titled '**Thermo reversible nasal gels for Parkinsonism**' Monica R.P.Rao & Deepakkumar Agarwal, **6<sup>th</sup> International Symposium of Indian**

**Pharmaceutical Association on ‘Nasal and Pulmonary Drug Delivery: Global Trends’ 24-25<sup>th</sup> October, 2013 at Mumbai.**

32. 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, 22-24<sup>th</sup> August 2013.
33. Poster presentation titled ‘**Telmisartan Nanosuspensions: Optimizing Particle Size Using Design Of Experiments**’, Sanju Rai, Bajaj Amrita, Rao Monica, R.P., **13<sup>th</sup> International Symposium of Controlled Release Society, Indian Chapter** to be held on Jan.22<sup>nd</sup> – 23<sup>rd</sup> ,2013 at JW Mariott, Mumbai.
34. Poster presentation titled ‘**Telmisartan Nanocrystals For Solubility And Bioavailability Enhancement**’, Shrikhande Shruti, Bajaj Amrita, **Rao Monica, R.P.**, Aghav SS, **12<sup>th</sup> International Symposium of Controlled Release Society, Indian Chapter** held on **Feb.9<sup>th</sup>-10<sup>th</sup>, 2012** at Grand Hyatt, Mumbai.
35. Poster presentation titled ‘**Development & evaluation of pulsatile drug delivery system**’. Kumar Manmeet, Sali DH, **Rao Monica,R.P.**, Aghav SS, **63<sup>rd</sup> Indian Pharmaceutical Congress-2011**, December 16-18, 2011, Bengaluru, Karnataka.
36. Poster presentation titled ‘**Nanosponge carriers for solubility enhancement and modulated release**’, **Rao Monica,R.P.**, Bajaj Amrita,**11<sup>th</sup> International Symposium of Controlled Release Society Indian Chapter** held on Feb.16<sup>th</sup>-17<sup>th</sup>,2011 at ITC Grand Maratha, Mumbai.
37. Poster presentation titled ‘**Solid self emulsifying system of cefpodoxime proxetil containing TPGS**’. **Rao Monica,R.P.**,Bajaj Amrita, Munjapara G, Badhe Amruta **62<sup>nd</sup> Indian Pharmaceutical Congress-2010**, December 17-19, Manipal, Karnataka.
38. 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.,**62<sup>nd</sup> Indian Pharmaceutical Congress-2010**,December 17-19, Manipal, Karnataka.
39. 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.,**62<sup>nd</sup> Indian Pharmaceutical Congress-2010**,December 17-19,Manipal,Karnataka.
40. Poster presentation titled ‘**Nanoparticulate delivery system for solubility enhancement of Telmisartan**’, **Rao Monica,R.P.**, Bajaj Amrita, Kolhe I ,**16<sup>th</sup> International Symposium on Innovations in Pharmaceutical Sciences and Technology** 26-27<sup>th</sup>,November

2010,B.V.Patel Pharmaceutical Education and Research Development (PERD)Center, Ahmedabad.

41. Poster presentation titled ‘Particle engineering of Fenofibrate with Poloxamer 407 for solubility & dissolution enhancement’ **Bhor 2010**.
42. Poster presentation titled ‘Extraction & Evaluation of Natural Polysaccharide as Novel Pharmaceutical Excipientat **Innovation 2008-09,Regional Conference for Pune University College Teachers** held at **SGRS College of Pharmacy, Saswad** on 5<sup>th</sup> -6<sup>th</sup> January 2010.
43. Poster presentation titled ‘Solubility enhancement of Fenofibrate using TPGS & Poloxamer 188’ at **Avishkar 2009** held at **Sinhagad College of Pharmacy, Wadgaon, Pune**.
44. 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.
45. Paper titled ‘Controlled release sintered wax matrix tablets for Ketorolac Tromethamine: Effect of Processing methods and Sintering’ accepted for poster presentation at **36<sup>th</sup> Annual Meeting & Exposition of the Controlled Release Society held at Copenhagen, Denmark** between 18<sup>th</sup>-22<sup>nd</sup> July 2009.
46. Paper titled ‘Formulation development and in vitro evaluation of controlled release wax matrix tablets of Ketorolac tromethamine’ accepted for poster presentation at **12<sup>th</sup> Annual International Symposium of the Canadian Society for Pharmaceutical Sciences held at Ontario, Canada** between 3<sup>rd</sup>-6<sup>th</sup> June 2009.
47. 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 21<sup>st</sup>-22<sup>nd</sup> November 2008.
48. Poster presentation titled ‘Design and evaluation of multiparticulate pulsatile drug delivery system’ at **Indian Pharmaceutical Congress** held at **New Delhi** between December 2008.

49. Poster presentation titled **1]Solid dispersions of Oxcarbazepine with PVP K30 & Gelucire 44/14 2]Teaching Methodology3]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.

50. 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 3<sup>rd</sup> & 4<sup>th</sup> March 2007.

51. 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 **7<sup>th</sup> International Symposium of Controlled Release Society**, Indian Chapter at Mumbai on 13<sup>th</sup> &14<sup>th</sup> February, 2007.

52. 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**.

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

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

#### **CONFERENCES/ SYMPOSIA/CONVENTIONS ATTENDED:**

- SPPU sponsored 02 days International seminar on “**Intervention of nanotechnology in targeted drug delivery system**’ on 13<sup>th</sup> – 14<sup>th</sup> January 2020 at **STES's Sinhgad College of Pharmacy, Pune**.
- SPPU sponsored 02 days National seminar on “**In vitro in vivo correlation**” on 17<sup>th</sup> – 18<sup>th</sup> January 2019 at **AISSMS College of Pharmacy, Pune**.

- SPPU sponsored 02 days National seminar on “**Insights of accreditation process for affiliated colleges**” on 6<sup>th</sup> – 7<sup>th</sup> February 2018 at **AISSMS College of Pharmacy, Pune**.
- SPPU sponsored 01 day National seminar on “**Insights On Different Funding Agencies and Research Proposal Writing**” on 31<sup>st</sup> January 2017 at **AISSMS College of Pharmacy, Pune**.
- 19<sup>th</sup> Annual Convention of **Association of Pharmaceutical Teachers of India** held at Pune between 28<sup>th</sup> –30<sup>th</sup> November, 2014.
- 6<sup>th</sup> Symposium of **Indian Pharmaceutical Association** on ‘**Nasal and Pulmonary Drug Delivery: Global Trends**’ 24-25<sup>th</sup> October, 2013 in Mumbai.
- 11<sup>th</sup> International Symposium of Controlled Release Society Indian Chapter held on **Feb.16<sup>th</sup>-17<sup>th</sup>, 2011** at ITC Grand Maratha, Mumbai.
- 16<sup>th</sup> International Symposium on Innovations in Pharmaceutical Sciences and Technology 26-27<sup>th</sup>, 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 28<sup>th</sup> & 29<sup>th</sup> December, 2007.
- 7<sup>th</sup> International Symposium of Controlled Release Society Indian Chapter at Mumbai on 13<sup>th</sup> & 14<sup>th</sup> 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 1<sup>st</sup>-15<sup>th</sup> November 2003.
- ISTE sponsored two weeks faculty development program on ‘**Advances in Pharmaceutical Sciences**’, held at BV’s Poona College of Pharmacy between 22<sup>nd</sup> May – 6<sup>th</sup> June 2003.
- One day seminar on ‘**Dissolution Testing of Pharmaceuticals**’ organized by **Bharati Vidyapeeth’s Poona College of Pharmacy**, on 8<sup>th</sup> Sept, 2001.
- AICTE sponsored one week National Seminar on ‘**New Avenues in Drug Design**’ at AISSMS College of Pharmacy between 14<sup>th</sup> – 19<sup>th</sup> May 2001.
- AICTE-ISTE sponsored two-weeks Short Term Training Program Titled ‘**Pharmaceutical Technology in Next Millennium**’ at AISSMS College of Pharmacy between 19<sup>th</sup> June to 1<sup>st</sup> July 2000.
- ‘**The Latest Advances in the Pharmaceutical Technology**’ organized by **Indian**

**Pharmaceutical Association** on 30<sup>th</sup> September 1999.

**REVIEWER:**

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

**Dr.Monica RP Rao**