



# AISSMS

## COLLEGE OF PHARMACY

IMPARTING EXCELLENCE IN EDUCATION & RESEARCH



Approved by AICTE & PCI New Delhi, Recognized by the Government of Maharashtra,  
2F,12B recognition by UGC, Affiliated to Savitribai Phule Pune University  
**Accredited by NAAC with A Grade**

**Name:** Dr. Reshma Nilesh Mirajkar

**Designation :** ASST. PROF. PHARMACEUTICS

**Qualifications :** M. Pharm;P.hD

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### PROFESSIONAL EXPERIENCE:

1. Awarded doctorate degree in Pharmaceutics in August 2021
2. Course work for doctorate in Pharmacy successfully completed with Distinction
3. Approved as a PG guide
4. Received grant of Rs 1,7000/- for BCUD sponsored project 2016-18
5. Working as a Asst. Professor in Pharmaceutics department at AISSMS College of Pharmacy, Pune since August 2008
6. Admission taken for doctorate in Pharmacy, at AISSMS COP, Pune on 8/8/2102.Registered in November 2013.
7. Worked as a Visiting lecturer in Pharmaceutics at AISSMS College of Pharmacy, Pune since January 2008 to May 2008 Conducted lectures and practicals in the subject DMHP, for First Year and lectures for Pharmaceutical Management Third Year.
8. Worked as a Scientist I and a Team leader in Research and Development (Formulation Department) at Emcure Pharmaceuticals, Bhosari, Pune, since October 2002 to October 2007. Formulation Development of Sustained release dosage, Mouth dissolving Tablets,development of Chirally Pure and Technology based products, Taste Masking,successful Scale up and Validation of all Products,as Antihypertensive,Haematinics,Analgesic,Antibiotics etc,Trouble shooting and preparing SOP's,SCP's,BMR,Validation protocols, and Product Development Report

### TOTAL EXPERIENCE IN YEARS:

- ❖ Teaching: 18 yrs.

- ❖ Research: 18Yrs
- ❖ Industry: 5Yrs

### **AREAS OF INTEREST:**

Formulation Development of Parenteral Dosage forms

Formulation Development of NDDS

Formulation Development of cosmetics

### **M.PHARM S TUDENTS GUIDED:**

11

### **PROFESSIONAL AFFILIATIONS:**

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

### **PROJECTS HANDLED/GRANTS RECEIVED:**

- ❖ No. of Inhouse Projects: 04
- ❖ No. of Funded Research Projects (University/Industry): 02
- ❖ Amount of Research Grant Received: 4.7 Lakh

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

- ❖ Incharge Phd committee
- ❖ Project guide for inhouse projects
- ❖ Project guide for Practice school SEM VIII Cosmetics
- ❖ Approved as a PG guide
- ❖ Active member of NAAC criteria 1 and 2
- ❖ Member of student council committee since 2022- organizing activities
- ❖ Member of College development committee since 2022- organizing activities
- ❖ Member of code of conduct committee since 2021- organizing activities
- ❖ Member of APGA committee since 2020-Actively involved in all activities and organizing coffee with Alumni
- ❖ Member of internal Complaints committee from 2018-2021
- ❖ As an College Examining officer since 2012- Overall working of exam section as a chief examination officer-Activities for simple and efficient working of exam section, setting of new formats, smooth conduction of exams (Internal and University) and effective communication of activities between colleges, university and students are the

responsibilities efficiently carried out. Also worked as a Asst to Internal Senior Supervisor at University Examination. Attending workshops for CEO at various colleges

- ❖ Assigned as class teacher for Final year B Pharm-Communication of activities with Students and other staff. Guiding and counseling of students
- ❖ Supervising T.Y. University projects, publication of review articles for the same
- ❖ Guiding for M Pharm projects and publication of the same
- ❖ Assigned as an external Examiner for University Practical exam in Pharmaceutics and various colleges
- ❖ Active Member of Teaching Learning Committee of NBA-Setting of new formats and effective communication of activities for their completion and upgradation. Organising Parents teacher Meet.
- ❖ Encouraging and supervising cocurricular activities of students during competitions, NPW, gathering etc
- ❖ Participation in various committees during functions, sports, workshops, seminars, gathering and other activities in college
- ❖ Worked on University Sponsored Research proposal project 2011-2013.
- ❖ Completed University Sponsored Research proposal project 2016-2018

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

- ❖ Inhouse project First prize at MET, NPW, Amrutvahini Competitions in 2024-25
- ❖ Inhouse project first prize at Synapse State level project competition organized by AISSMS COP, Pune 2022
- ❖ Inhouse project first prize at inhouse project competition organized by AISSMS COP, Pune 2022
- ❖ Inhouse project winner in first 25 at Ideathon Competition 2021
- ❖ Complete 4 weeks Course on basics of Psychology by Swayam and secured 80 % in 2022
- ❖ Complete 4 weeks Course on Creative writing by Swayam and secured 80 % in 2021
- ❖ Complete 4 weeks Course on Body Language by Swayam and secured 80 % in 2020
- ❖ Complete 4 weeks Course on Stress Management by Swayam and secured 87 % in 2019
- ❖ Recipient of Scholarship during M. Pharm. Course at UICT Mumbai.
- ❖ Cleared GATE examination with 98.72 percentile

#### **PUBLICATIONS:**

- ❖ REVIEWS: 05
- ❖ NATIONAL RESEARCH PUBLICATIONS: 0
- ❖ INTERNATIONAL RESEARCH PUBLICATIONS: 10
- ❖ H index - 01
- ❖ i10 Index - 00

❖ No of Citations - 06

### **REVIEW PUBLICATIONS\***

1. Review article on “Comprehensive Review on Polymer Based Gels properties and evaluation and emerging application of hydrogel, organogel and xerogel”- IJRPR vol 6, Issue 5, 2025
2. Review article on “Trends in facial skin care cosmetic” .Journal - International journal of current research 2025 (Vol.17 ISSN:0975-833X)
3. Review article on “Omega 3 Fatty Acids- Clinical Implications in International Journal of Chem Tech Research (IJCTR) April-June 2011
4. Review article on “Formulation Development of Enteral Nutrition Products” in international Research Journal of Pharmacy (IRJP), March 2011
5. Review article on Taste Masking Agents and Methods in Pharmaceutical Formulations in international Research journal Of Pharmacy 2012,3 (8)

### **\*INTERNATIONAL RESEARCH PUBLICATIONS\***

1. Trends in facial skin care cosmetic. Journal - International journal of current research (Vol.17 ISSN:0975-833X) 2025
2. Formulation and evaluation of an anti oxidant rich foundation stick incorporating aegle marmelos Fruit extract - International Journal of Research Publication and Reviews vol:6, issue :4 2025
3. Short Communication :Prebiotic *Chlorella vulgaris* - International Journal of Research Publication and Reviews vol:6, issue :4 2025
4. Formulation and Evaluation of oral gummies for teeth whitening for pediatric purpose - International Journal of Research Publication and Reviews vol:6, issue :5 2025
5. Microneedle technology advancement application and further different directions (.)- International journal of pharmaceutical science Vol 3, Issue 5 2025
6. Etoricoxib liposomes loaded sustained release intraarticular injection- WJPPS Volume 14 Issue.6 2025
7. A Historical and Formulative Analysis of Lipstick: From Natural Pigments to Modern Chemistries.- IJRPR Vol 6, Issue 4 2025
8. Formulation Development Of ophthalmic in situ gel forming system of antifungal drug Clotrimazole Drug, International Journal Of Pharmaceutical Research and Applications Volume 8 ,issue 1 Jan –Feb 2023,:341-347

9. Formulation And Evaluation Of Topical Sustained Release Film Forming Gel Of Fluconazole, World Journal Of Pharmacy And Pharmaceutical Sciences, Volume 12, Issue 2, 869-889 Research Article ISSN 2278 – 4357
10. Formulation Development Of Sustained Release Epidural Injection Of Analgesic Drug, Journal Of Drug Delivery And Therapeutics 2019; 9(4-s):540-546
11. Evaluation Of Pharmacokinetic Studies And Analgesic Activity Of Sustained Release Epidural Injection Of Analgesic Drug On Wistar Rat, Journal Of Emerging Technologies And Innovative Research 2019 JETIR June 2019, Volume 6, Issue 6
12. Formulation development of sustained release intra-articular injection of analgesic drug, journal of drug delivery and therapeutics, 2018; volume:8 (issue: 4):209-217
13. Pharmacokinetic in vivo evaluation of in-situ gel forming injectable drug delivery system of analgesic drug, international journal of pharmacy and pharmaceutical research, july 2018 vol.:12, issue:4, 245-257.
14. Research Article on development of controlled release formulation of palonosetron hydrochloride using novel parenteral drug delivery system international research journal of pharmacy 2018, 9 (6)
15. Research Article On Formulation Development of In Situ Sponge Forming Injectable Drug Delivery System of Tramadol Hydrochloride in Human Journals , international journal of Pharmacy and Pharmaceutical Research, June 2017 Vol.:9, Issue:3
16. Research Article On Formulation Of An Insitu Forming Injectable Sustained Release Sponge Of Granisetron Hydrochloride In Journal Of Drug Delivery And Therapeutics, 2016; 6(4):55-62.
17. Research article on Development Of Controlled Release Formulation Of An Antiemetic Drug Using Novel Parenteral Drug Delivery Systems in World Journal of Pharmaceutical Research, Volume 5, Issue 7, 931-949, ISSN 2277– 7105, SJ IF impactor 6.805, June 2016
18. Research article on Formulation and optimization of mouth dissolving films of Lornoxicam using drug resin complex in International Journal Of Universal Pharmacy And Life Sciences, 3(3): May-June 2013
19. Research article on Comparison of in vitro dissolution profiles of Cefpodoxime proxetil - Peg solid dispersions with Cepodoxime proxetil, in International Journal of Research in Ayurveda and Pharmacy(IJRAP), Vol2 March 2011

## **PRESENTATIONS:**

As an Author: 10

As an Co-author: 01

### **❖ As an Author:**

Poster/ORAL presentations entitled

1. Oral presentation on Formulation And evaluation of Sustained Release Intra-articular injection of Tramadol Hydrochloride . Avishkar 2018. Oral presentation
2. Oral presentation on Formulation development of an in-situ gel forming system for controlled delivery at INNOVATION-2017 , Regional Research Conference held at STE's Smt. Kashibai Navale College of Pharmacy as a BCUD sponsored project
3. Attended one day WORKSHOP on INSIGHTS OF ACCREDATION PROCESS FOR AFFILIATED COLLEGES AISSMS COLLEGE OF PHARMACY organised by AISSMS COLLEGE OF PHARMACY SPOPNORED BY SPPU ON 6 & 7 FEB 2018
4. Attended one day WORKSHOP on GRADUATION CEREMONY organised by Modern College of Arts , Science and Commerce Shivajinagar , Pune , in association with SPPU on 13/Jan /2016
5. Poster presentation on formulation of insitu gel forming parenteral drug delivery system ,at Avishkar 2015, at ALLANA college of Pharmacy, PUNE,sponsored by BCUD university of Pune(14/10/2015)
6. Poster presentation on Formulation And Evaluation Of In Situ Gelling Parenteral Drug Delivery System ,at 66<sup>TH</sup> IPC 2014, held at HItex City Hyderabad (23-25 /1/2015)
7. Poster presentation on Formulation of Novel Parenteral Drug Delivery Systems ,at Avishkar 2014, at Sinhagad college of Pharmacy, Narhe,sponsored by BCUD university of Pune(17/10/2014)
8. Poster presentation on Preparation And Evaluation Of Topical Mircoemulsion Containing Gel ,at Avishkar 2012, at Fergusson College Pune,sponsored by BCUD university of Pune(10/12/2012)
9. Poster presentation of Formulation development of Felodipine Hydrochloride SR Tablets Presentations At the 53rd Indian Pharmaceutical Congress 2001, New Delhi
10. .Poster presentation of Formulation development of Novel cough Jelly ,At CRS 2002 , Mumbai.

❖ **As a co-author:**

Poster presentations entitled

1. Poster presentation for METRxPLORE at MET COP on 08-03-2025
2. Poster presentation for METRxPLORE at MET COP on 08-03-2025
3. Poster presentation for Avishkar 2024 at SPPU on 26-09-2024
4. Poster presentation for One Day National Conferance at Indira ,COP at Indira ,COP on 29-11-2024

5. Poster presentation for One Day National Conference at Indira ,COP at Indira ,COP on 30-11-2024
6. Poster Presentation for Aviskar 2024 at SPPU on 26-11-2024
7. Poster Presentation for Aviskar 2025 at SPPU on 27-11-2024
8. Poster Presentation for National Board of accreditation at Arivind Gavali College of Pharmacy on 08-02-2025
9. Poster Presentation for National Level research Competition at Amrutvahini college of Pharmacy on 28-03-2025
10. Poster Presentation for National Level research Competition at Amrutvahini college of Pharmacy on 28-03-2025
11. Poster Presentation on Frontier in Pharmaceutical Innovation and Practices at Bharti Vidyapeeth College of Pharmacy,Palus on 17-04-2025
12. Poster Presentation on Frontier in Pharmaceutical Innovation and Practices at Bharti Vidyapeeth College of Pharmacy,Palus on 18-04-2025
13. Poster presentation for Model making Competition at NPW 2025 at SCOP Vadgaon on 25-01-2025
14. Poster presentation for International Conference Lakshmi Narain COP at Lakshmi Narain COP on 26-12-2024
15. Poster presentation for International Conference Lakshmi Narain COP at Lakshmi Narain COP on 27 Dec 2024
16. Oral presentation for NPW Ideathon Competition 2025 at AISSMS COP on 20 Jan 2024
17. Poster presentation for National level online poster presentation competition at D.Y Patil COP Navi Mumbai on 12 SEP 2024
18. Poster presentation on Menorelief at . Avishkar 2022.
19. Oral presentation on Inhouse project Menorelief at Synapse State level project competition organized by AISSMS COP, 18/11/2022
20. Oral presentation on Inhouse project Menoreliefat inhouse project competition organized by AISSMS COP, Pune Sept 2022
21. Oral presentation on Inhouse project Menorelief at Ideathon Competition 2021
22. Poster presentation on Formulation And Evaluation Of Taste Masked Product Of Lornoxicam Using Ion Exchane Resin At 19th National Convention Of Apti,Pune (28th-30th NOV 2014) and Attended 19th National Convention Of Apticon

#### **CONFERENCES/ SYMPOSIUMS/CONVENTIONS ATTENDED:**

1. Attended two days International Symposium of Controlled Release Society - Indian Chapter Advances in Technology and Business Potential of New Drug Delivery Systems
2. Attended two days National Level Seminar on In vitro In vivo correlation at AISSMS COP on 17 18 Jan 2019 organised by institute of Chemical technology , CONTROLLED RELEASE SOCIETY INDIAN CHAPTER on February 1st and 2nd, 2019 at Hotel The LaLit, Mumbai

3. Attended one day WORKSHOP on College Examination Officers workshop at Nevil Wadia college of management organised by SPPU on 8/9/18
4. Attended one day WORKSHOP on GRADUATION CEREMONY organised by Modern College of Arts , Science and Commerce Shivajinagar , Pune , in association with SPPU on 13/Jan /2016
5. Attended one day WORKSHOP on examination systems organised by AISSMS COP, in association with UOP Feb 2014
6. Attended one day seminar on understanding the credit and GPA system at modern college of Pharmacy, Nigdi pune
7. Oral presentation on completed project of Univ Sponsored project on Topical Herbal Emulgels, at Innovation 2013, at Amrutvahini COP Sangamner (17/April/2013)
8. Participated in one day Workshop cum training Programme for College Examination officer arranged by University of pune , on 6/Nov /2012 at Modern College of Pharmacy, Nigdi.
9. Participated in University sponsored One Day Seminar on ‘Advances in TDDS , in Feb 2012, at AISSMS COP Pune
10. Participated in AICTE Sponsored two weeks Staff development Programme on NDDS: Past Present and Future in Sept-Oct 2011, at Sinhgad College of Pharmacy , Vadgaon, Pune.
11. Participated in University sponsored National Seminar on ‘Pharmaceutical Technology Current Perspectives’, in Jan 2011, at AISSMS COP Pune.
12. Participated in innovation 2010 at Amrutvahini COP, Sangamner

#### **NPTEL/SWAYAM/PEDAGOGY COURSES:**

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**Dr. Reshma Nilesh Mirajkar**