



**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

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

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**Name:** Mrs. Shivani Rao

**Designation :** Assistant Professor

**Qualifications :** M. Sc. Microbiology.

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**PROFESSIONAL EXPERIENCE:**

1. Working as Assisstant Professor from April 2011 at AISSMS College of Pharmacy, Pune-411001
2. Worked as Lecturer from October 2001 to April 2011 at AISSMS College of Pharmacy, Pune-411001

**TOTAL EXPERIENCE IN YEARS:**

- ❖ Teaching: 22 yrs.
- ❖ Industry: 2 yrs 6months

**AREAS OF INTEREST:**

Antimicrobial Testing

Sterility Testing

Microbial Limit Test

Kill Kinetics of antimicrobials'

**Ph.D. STUDENTS GUIDED: 00**

**M. PHARM STUDENTS GUIDED: 00**

**PATENTS GRANTED /FILED (NOS): --0**

**BOOKS AUTHORED: 00**

**PROFESSIONAL AFFILIATIONS:**

**PROJECTS HANDLED/GRANTS RECEIVED:**

- ❖ No. of Inhouse Projects: 05

**MEMBER OF EDITORIAL BOARD:**

**INSTITUTIONAL AND ADMINISTRATIVE RESPONSIBILITIES:**

- ❖ Worked as Class teacher
- ❖ Worked as Staff member for exam section
- ❖ Worked as Staff member for cultural activity.

**AWARDS/ACHIEVEMENT/MEDALS:**

- ❖ Recipient of P.D Sethi Annual Award 2010 for the 'Best Research Paper in Pharmaceutical Analysis'

**PUBLICATIONS:**

- ❖ REVIEWS: 5
- ❖ NATIONAL RESEARCH PUBLICATIONS: 9
- ❖ INTERNATIONAL RESEARCH PUBLICATIONS: 1

**\*REVIEW PUBLICATIONS\***

1. Virus like particles as Vaccines in International Journal for Pharmaceutical Research Scholars (IJPRS), V-2, I-4, 2013, page no 512 to 544-ISSN no. 2277-7873 ( Impact factor 1.0285) Ankit Agarwal, Shivani Rao
2. "Genotoxicity Testing: A Review" in Electronic Journal of Environmental Sciences Vol1, 37-48 (2008) 6. Rao S.H, Vyawahare N.S, Ghaisas A.B, Hanamsagar R.M, Chote A.S
3. "TRIPS: India - Patent Protection for Pharmaceuticals" in pharmainfonet. A.R.Madgulkar, M.R.Bhalekar, Vinay Kolhe, Nitin Wable, S.H Rao

4. Nanotechnology and blood brain barrier” in Indian drugs 44(4) 5. April 2007 pg 245-252, Bachhav D, Rao M, Madgulkar A. and Rao S
5. “Preservative Efficacy Testing for Pharmaceutical Products During Stability Studies” in Pharmainfo.net S.H.Rao, A.R. Madgulkar, M.R. Bhalekar

#### **\*NATIONAL RESEARCH PUBLICATIONS\***

1. Formulation and Evaluation of Topical Formulation for Cutaneous Tuberculosis Rao Monica\*, Kadam Manali, Rao Shivani, Journal of Drug Delivery & Therapeutics. 2018; 8(4):102-116, July 2018
2. HPTLC Estimation And Antibacterial Effect Of Methanolic Extract Of *S.Nux Vomica* Seeds Under Accelerated Storage Condition, Pharma Science Monitor 8(2), Apr-Jun 2017, 69-76, Impact factor: 3.958/ICV: 4.10 ISSN: 0976-7908, M.C. Damle\*, P.Bandal, S. Kale, S. Rao
3. Formulation Development and Optimization of Vaginal Tablet of Clotrimazole Using Thiolated Xyloglucan BAOJ Pharm Sci, an open access journal BAOJ Pharm Sci 2017, Volume 3; Issue 4; 044, Ashwini Madgulkar, Mangesh Bhalekar, Shivani Rao and Shreya Bedekar.
4. Comparative HPTLC Estimation and Antibacterial Effect of Ellagic Acid, Gallic Acid and Ethanolic Extract of *Syzygium Cumini* Seeds under Accelerated Storage Condition in ISTR, P-077, Dr. Mrinalini C. Damle Mrs. Shivani H. Rao & Ms. Nilam Dalavi. 2016
5. Evaluation of Phosphorylated Psyllium Seed Polysaccharide as a Release Retardant in Indian Journal of Pharmaceutical Sciences 2015, 77(5):605-612 Dr. Monica R. P. Rao, Mrs. Shivani H. Rao & Ms. Deepa U. Warrier
6. Evaluation of the antibacterial activity of methanolic and aqueous extract for the seeds of *Cassia tora* in research J. Pharmacogony and Phytochemistry 2012. 4 (5):240-243 Anita M. Ingle, Abhijeet V. Ladke, Pranjali S. Ranaware, Shivani H. Rao, Mrinalini C. Damle
7. “Stress Degradation Monitoring of Ofloxacin by HPTLC and Bioautography”, published in Research J. Pharm. and Tec. 3 (4). Oct.-Dec. 2010 M.C.Damle, V.Rane, S.H. Rao, K. Patil, A. Paprikar
8. Preparation and evaluation of solid dispersions of cefpodoxime proxetil” in Journal of Pharmacy Research 2009, 2(9), 1481-1484 M.V.Dhoka, S.H Rao, Pranav Joshi, Vandana Gawande
9. Evaluation of hydroalcoholic extract of *Vitex negundo* L. as an adjuvant Therapy in Freund’s Adjuvant induced Arthritis” in Plant Archives Vol. 8, pp 981-986 7. N.S. Vyawahare, V.D. Sannapuri, U.N. Harle, V.S. Joshi, S.H. Rao, and S.K Gupta

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

1. HPTLC estimation and antibacterial effect of methanolic extract of *S.nux vomica* seeds under accelerated storage condition M.C. Damle\*, P.Bandal, S. Kale, S. Rao Pharma Science Monitor An International Journal Of Pharmaceutical Sciences Pharma Science Monitor 8(2), Apr-Jun 2017 Impact factor: 3.958/ICV: 4.10 ISSN: 0976-7908 pg 69

2. Sugars as solid dispersion carrier to improve solubility and dissolution of the BCS class II drug: clotrimazole Journal Drug Development and Industrial Pharmacy Volume 42, 2016 - Issue 1 Ashwini Madgulkar, Mithun Bandivadekar, Tanaji Shid & Shivani Rao
3. Kinetics Study of Novel Dental Film Containing Tobramycin Sonali C Woo, Sanjay J Kshirsagar, Shivani H Rao, Mangesh R Bhalekar, Ashwini R Madgulkar Inventi Rapid: Pharm Biotech & Microbio Vol. 2015, Issue 4 [ISSN 2278-4098] 2015 pbm 17161 © Inventi Journals (P) Ltd Published on Web 21/09/2015, www.inventi.in
4. Phytochemical Investigation and Antimicrobial Activity Testing of *Phyllanthus fraternus* Leaves Webster Gandhi S., Shinde P., Avalaskar A., Rao S. International Journal of Pharmacognosy and Phytochemical Research 2014; 6(3); 444-448 ISSN: 0975-4873

### **PRESENTATIONS:**

1. Presented a poster on "Stress degradation monitoring of Cefpodoxime Proxetil by HPTLC-Bioautography" at 20th international symposium on pharmaceutical and biomedical analysis 2009
2. "Chemical investigation of the seeds of *Bixa orellana* linn. shendri" at 59th Indian Pharmaceutical Congress Varanasi

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

1. 2004- Attended a Quality Improvement Programme on "Applied Aspects of Microbial, Molecular and Cell Biology in Pharmaceutical Biotechnology" sponsored by AICTE.
2. 2003 – Biotechnology symposium conducted by AICTE.

### **WORKSHOPS / SEMINARS/REFRESHER COURSE ATTENDED:**

1. One day workshop on "Examination System" organized by AISSMS College of Pharmacy, Pune.
2. One day workshop on "Understanding the credit and GPA system" organized by P.E Society's Modern College of Pharmacy, Nigdi, Pune.
3. HIV- Global threat to mankind" sponsored by university of Pune.
4. 2005-Attended a seminar on "Emerging Trends in Phytochemistry and Biotechnology" sponsored by university of Pune.
5. 2004-Attended a seminar on "Recent Trends in Pharmaceutical Biotechnology" sponsored by AICTE.
6. 2004-Attended a seminar on "Opportunities and challenges for women in pharmacy profession" sponsored by IIPC.
7. 2002- Attended a seminar on "Biotechnology an emerging avenue for pharmacy"
8. 2001- Attended a seminar on "The Indian Pharma Industry and Regulatory Affairs- A global Overview."
9. Attended a seminar on "Microbiology and Health Care" by association of Microbiologists of India.

## **PARTICIPATION AS RESOURCE FACULTY:**

### **REVIEWER:**

- **Dr. M.V. Patel**  
Director NDD  
Wockhardt Research Center, India.
- **Mrs. Shobana Jadhav**  
Head of Department, Microbiology.  
Rajaram College, Kolhapur