



# 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:** Mrs. Shital Manoj Patil

**Designation :** Assistant Professor

**Qualifications :** M. Pharm (Pharmaceutical Chemistry)

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### PROFESSIONAL EXPERIENCE:

1. Presently working as Assistant Professor, at All India Shree Shivaji Memorial Society's College of Pharmacy, Pune from August 2009.
2. Worked as a Lecturer, at Modern College of Pharmacy (for Ladies) – Moshi from August 2008 to August 2009.

### TOTAL EXPERIENCE IN YEARS:

- ❖ Teaching: 11 yrs.
- ❖ Research: 07 Yrs
- ❖ Industry: 07 months

### AREAS OF INTEREST:

Design, Synthesis and biological evaluation of Anti-HIV agents

Design, Synthesis and biological evaluation of Anti-TB agents

### BOOKS AUTHORED:

**Name of Book:** Pharmaceutical Inorganic Chemistry, First Edition: August 2018

### Contributing Authors:

1. Dr. Padmanabh B. Deshpande

2. Dr. Vitthal V. Chopade

3. Mrs. Shital M. Patil

**Publisher:** Technical Publications

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### **PROFESSIONAL AFFILIATIONS:**

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

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

- ❖ No. of Inhouse Projects: 08
- ❖ No. of Funded Research Projects (University/Industry): 01
- ❖ Amount of Research Grant Received: Rs. 1.60 Lakh

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

- ❖ Working as Class Teacher of S.Y. B. pharm. Class
- ❖ Working as member of Academic committee in Preparation of academic Time Table and academic calendar
- ❖ Working as College Website upgradation- member
- ❖ Working as College ERP Software In charge-member
- ❖ Working as Staff Editor for College Newsletter “PHARMAVOICE”
- ❖ Working as member for Branding activity of College
- ❖ Working as a member of Student Support & Progression NACC Committee
- ❖ Worked as a member of Supplementary processes committee of National Board of Accreditation
- ❖ Examiner appointed for theory and practicals by Savitribai Phule Pune University
- ❖ Moderator appointed for theory by Savitribai Phule Pune University
- ❖ Junior supervisor and internal Senior Supervisor for Savitribai Phule Pune University examination
- ❖ Worked as Co-Coordinator for Pharmacy Council of India Inspection at Modern College
- ❖ Worked as Sports Incharge at Modern College
- ❖ Worked as Quality Assurance Officer in Cipla Ltd.

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

- Received cash prize for securing highest marks in Pharmaceutical Microbiology (Second year B. Pharm.)

- Received Certificates for securing First rank in S. Y. B. Pharm. & Third Rank in T. Y. & Final year B. Pharm. in academics.
- Received Second prize for the Poster presentation of AVISHKAR 2008 at zonal level
- Received Appreciation certificate as a guide for Poster presentation competition METXPLORE 2018 held at Bhujbal Knowledge City, MET's Institute of Pharmacy, Nashik on 17<sup>th</sup> February 2018 .
- Received Appreciation certificate and cash prize as a guide for oral presentation competition Synapse 2018 held at AISSMS College of Pharmacy, Pune on 16<sup>th</sup> October 2018.

## **PUBLICATIONS:**

- ❖ REVIEWS: 03
- ❖ NATIONAL RESEARCH PUBLICATIONS: Nil
- ❖ INTERNATIONAL RESEARCH PUBLICATIONS: 09
- ❖ H index - 3
- ❖ i10 Index - 1
- ❖ No of Citations – 30

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

1. 'Computer Assisted Drug Design (HIV-1 NNRTIs)' review article on pharmainfo.net.
2. A Review on 2-Azetidinone: A New Profile of Various Pharmacological Activities Inventi Impact: Med Chem, 2012, Issue 2, 63-70.
3. Trupti Sameer Chitre, Kalyani Dharendra Asgaonkar, Shital Manoj Patil, Muthu Kumaradoss Kathiravan and Subhash Balkrishna Padhye, Exploring Pyrimidine Pharmacophore as Thymidine Monophosphate Kinase Inhibitors for Antitubercular Activity: A Review, Current Topics in Medicinal Chemistry, 2016, 16 (28): 3211 – 3223. (Impact Factor: 2.998; SNIP:3.04; SJR: 0.76) ISSN: 1873-5294 (Online); ISSN: 1568-0266 (Print).

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

1. 'Design, Synthesis, Docking and Anti-mycobacterial activity of some novel thiouracil derivatives as thymidine monophosphate kinase (TMPKmt) inhibitors', International Journal of Research in Pharmaceutical and Biomedical Sciences, 2011, 2 (2), 616-623.
2. 'Synthesis & Antitubercular activity of some substituted pyrimidine derivatives', Journal of Pharmacy Research, 2011, 4 (6), 1882-1883.
3. '2D QSAR studies on 1,3-disubstituted Uracil derivatives as potential anti-HIV agents', Journal of Pharmacy Research, 2011, 4 (6), 1836-1838.
4. Trupti S. Chitre, Santosh Panda, Shital M. Patil, Aparna S. Chothe, G. Vignesh, Amol B. Salake, Muthu K. Kathiravan, Novel 1,3,4-(thiadiazol-2-ylamino)methyl-5-(pyridin-4-

- yl)-1,3,4-oxadiazol-2-thiones: synthesis, docking and antimycobacterial testing, *Advances in Biological Chemistry*, 2011, 1, 7-14.
5. Sonali Deshmane, Kalyani D Asgaonkar, Shital Patil, Deepak Landge, Trupti S Chitre, 2D and 3D QSAR Studies of 1,4-Dihydropyridine Derivatives as Antitubercular Agents, *Inventi Impact: Med Chem*, 2012, 4, 229-236.
  6. Trupti S. Chitre, Kalyani D. Asgaonkar, Shital M. Patil, Shiva Kumar, Vijay M. Khedkar, Dinesh R. Garud, QSAR, docking studies of 1,3-thiazinan-3-yl isonicotinamide derivatives for antitubercular activity, *Computational Biology and Chemistry* 68, 2017, 211–218.(Impact Factor-1.380; SNIP- 0.446; SJR-0.491); ISSN: 1476-9271
  7. Shital Patil, Kalyani Asgaonkar, Trupti Chitre, Vedika Bhat, Sayali Ethape, Anagha Sujalegonkar, Sudeep Bhalekar, 2D and 3D QSAR of Benzimidazole analogues as novel HIV-I Nonnucleoside Reverse Transcriptase Inhibitors, *Indian journal of Pharmaceutical Education and Research*, 51,2,,1, S122-S128. April-June 2017.(Impact Factor-0.270; SNIP- 0.446; SJR-0.491; ISSN: 0019-5464)
  8. Shital Manoj Patil\*, Kalyani Dharendra Asgaonkar, Trupti Sameer Chitre, Aditi Kinikar, Chaitali Kharat, Vaibhavi Bhoirekar, Madhura Athavale, Mitali Katkar Comparative Study of Various Non-Nucleoside Reverse Transcriptase Inhibitors on Different Reverse Transcriptase Enzyme, *Indian Journal of Pharmaceutical Education and Research*, Vol 51, Issue 4S, Oct-Dec (Suppl), 2017.
  9. Kalyani Dharendra Asgaonkar\*, Shital Manoj Patil\*, Trupti Sameer Chitre, Vaibhav Nanabhau Ghegade, Saurabh Radhaji Jadhav, Sajid Shaukat Sande and Atharva Sudhakar Kulkarni Comparative Docking Studies: A Drug Design Tool for Some Pyrazine-Thiazolidinone Based Derivatives for Anti-HIV Activity, *Current Computer-Aided Drug Design*, 2019, 15, 252-258. (Impact Factor-1.20; SJR-0.479; ISSN: 1476-9271)

## **PRESENTATIONS:**

As an Author: 04

As an Co-author: 09

### **❖ As an Author:**

1. Poster presentation on, 'Docking studies, Synthesis, Characterization and Pharmacological Evaluation of New Conjugates of Isatin' at Zonal Level (AVISHKAR-2008 held at Baburaoji Gholap College Sangvi Pune) during 24<sup>th</sup> to 25<sup>th</sup> September 2008. Won II<sup>nd</sup> prize for the same.
2. Same Poster presentation (AVISHKAR-2008) at Pune University during 29<sup>th</sup> -30<sup>th</sup> November 2008.
3. Poster Presentation in Regional research Conference on Development of Anti-HIV Agents at INNOVATION-2015 sponsored by Savitribai Phule Pune University Board of College & University Development (BCUD) held at Sinhgad College of Pharmacy, Vadgaon Pune on 29<sup>th</sup> & 30<sup>th</sup> July 2015.

4. Poster Presentation in Regional research Conference on Development of Anti-HIV Agents at INNOVATION-2016 sponsored by Savitribai Phule Pune University, Board of College & University Development (BCUD) held at Marathwada Mitra Mandal's College of Pharmacy, Thergaon, Pune on 27<sup>th</sup> September 2016.

❖ **As a co-author:**

5. Poster presentation on, 'Phalazine Derivatives- Modeling, Synthesis & Antihypertensive Activity, AVISHKAR-2012, at Zonal Level on 10/12/2012 held at Fergusson College, Pune. Presented by-Apurva Bhatambrekar, Bhakti Joshi Guided by- Shital Patil
6. Poster presentation on 'A comparative study of stress among female players of athletics & swimming' at 2 days UGC sponsored National Conference held at Yashvantrao Chavan Institute of Science, Satara during 22<sup>nd</sup>-23<sup>rd</sup> August 2014
7. Poster Presentation at Avishkar 17<sup>th</sup> October 2014, Development of Benzimidazole nucleus for anti HIV activity using QSAR studies; Presented by- Vedika Bhat, Sayali Ethape; Guided by- Shital Patil, Kalyani Asgaonkar held at Sinhgad College of Pharmacy, Narhe, Pune.
8. Poster Presentation on Design of New Benzimidazole Derivatives For Anti-HIV Activity Using QSAR Studies Shital Patil\*, Trupti Chitre, Kalyani Asgaonkar Annual National Convention of Association of Pharmaceutical Teachers of India, Pune 28<sup>th</sup>- 30<sup>th</sup> Nov.2014 held at Balewadi, Pune
9. Mrs. Shital M. Patil, Ms. Aditi Kinnikar, Ms. Chaitali Kharat, Ms. Vaibhavi Bhoirekar, Ms.Mitali Katkar, Ms. Madhura Athavale Presented a poster entitled 'Use of QSAR for optimization of Thiazolidinone pharmacophore for Anti-HIV activity' in one day state level poster presentation competition 'SYNAPSE 2016' held at AISMS College of Pharmacy, Pune on 14<sup>th</sup> October 2016.
10. Mrs. Shital M. Patil, Pratiksha Deodhar, Chitali Shah, Shruti Lohakare, Sanjana Shah, Surekha Kadam Presented a poster entitled 'Comparative study of different QSAR models for pharmacophore optimisation of 2-nitropyrrole based 1,3,4 oxadiazole derivatives for anti-TB activity'in one day state level poster presentation competition 'SYNAPSE 2016' held at AISMS College of Pharmacy, Pune on 14<sup>th</sup> October 2016.
11. Shital M. Patil, Sharvari Kshirsagar, Meghana Mokashi Vaibhav Ghegade, Nimishraj Panse, Kalyani D. Asgaonkar Presented a poster entitled 'Use of QSAR for optimization of Thiazolidinone pharmacophore for Anti-HIV activity' in one day state level poster presentation competition 'SYNAPSE 2016' held at AISMS College of Pharmacy, Pune on 14<sup>th</sup> October 2016. State level.
12. Mrs. Shital Patil, Ms. Vaibhavi Bhoirekar, Ms. Madhura Athavale Presented a poster entitled 'Study of binding modes of thiazolidin-4-ones derivatives with various crystal structures of reverse transcriptase using molecular docking' at MetRxplere 2017 competition organized by MET College, Nashik on 11<sup>th</sup> Feb, 2017.
13. Mr. Saurabh Jadhav, Mrs. Shital M. Patil, Mrs. K.D. Asgaonkar Poster presentation at 3rd

METRXPLORE 2018 (UG Research Conference) held at Bhujbal Knowledge City, MET's Institute of Pharmacy, Nashik on 17<sup>th</sup> February 2018. Received Appreciation prize for guiding this project.

14. One day State level Research Presentation Competition – Synapse 2018 on Dual Action of pyrazine-thiazolidinone based derivatives as Anti-HIV and Anti-TB using molecular docking studies held at AISSMS College of Pharmacy on 16<sup>th</sup> October 2018 (Received Winner Prize)

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

1. Attended (BCUD) INNOVATION 2015 regional research conference for Savitribai Phule Pune University College Teachers on 29<sup>th</sup> June 2015 organized by Sinhgad College of Pharmacy, Vadgaon, Pune.
2. Attended (BCUD) INNOVATION 2016 regional research conference for Savitribai Phule Pune University College Teachers on 27<sup>th</sup> September 2016 organized by Marathwada Mitra Mandal's College of Pharmacy, Thergaon, Pune.
3. Attended one day state level poster presentation competition "SYNAPSE 2016" organized by AISSMS College of Pharmacy on 14<sup>th</sup> October 2016.
4. Three days 19<sup>th</sup> Annual national Convention of Association of pharmaceutical Teachers of India on 'Emerging trends in pharmacy profession & Education' held at Balewadi Pune on 28<sup>th</sup> -30<sup>th</sup> November 2014.

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

1. University of Pune Sponsored One day workshop on 'Challenges & Opportunities in Pharmaceutical Research', held at Modern College of Pharmacy- Nigdi, Pune on 25<sup>th</sup> November 2008.
2. University of Pune Sponsored One Day workshop on 'Effective Implementation of Curriculum' for teachers of pharmaceutical Chemistry at Sinhgad Technical Education Society's Smt. Kashibai Navale College of Pharmacy, Kondhwa, Pune on 10<sup>th</sup> October 2009.
3. AICTE Sponsored Quality Improvement Two Week Programme for Pharmacy teachers entitled 'Emerging Frontiers in Drug Discovery' held at Bharati Vidyapeeth University Poona College of Pharmacy from 01<sup>st</sup> to 13<sup>th</sup> February 2010.
4. International seminar on MDR/XDR tuberculosis: A health care menace to developing countries, at Sinhgad Cop, Vadgaon ,pune./ univ. of Pune on 22<sup>nd</sup>- 24<sup>th</sup> March 2013.
5. Two day state level seminar, 'Qbd in formulation development' at AISSMS College of Pharmcay, Pune. Sponsored by Savitribai Phule Pune University on 21<sup>st</sup> & 22<sup>nd</sup> January 2015.
6. One day Faculty orientation workshop on Understanding API technology as per savitribai phule Pune University, T. Y. B. Pharm. curriculum organized by Dr. D. Y. Patil Institute of Pharmaceutical Sciences & Research, Pimpri on 12<sup>th</sup> Sept. 2015.

7. One day state level seminar sponsored by Savitribai Phule Pune University on 'Role of Medicinal Chemist and Phytochemist in Drug Discovery' on 12<sup>th</sup> Feb. 2016 at AISSMS College of Pharmacy, Pune.
8. One day seminar on 'Strategies for Empowerment of Women Associated with healthcare Profession' jointly organized by M.C.E. Society's Allana College of pharmacy, Pune and Association of Pharmaceutical Teachers of India (Women Forum) on 8<sup>th</sup> March 2016 at Allana College of pharmacy, Pune.
9. One day state level seminar sponsored by Savitribai Phule Pune University on 'Insight on different funding agencies and research proposal writing' on 31<sup>st</sup> January 2017 at AISSMS College of Pharmacy, Pune.
10. One day state level faculty Training workshop on 'Teaching with animations' Jointly organized by M.C.E. Society's Allana College of pharmacy, Pune and Association of Pharmaceutical Teachers of India Maharashtra Branch on 10<sup>th</sup> May 2017 at Allana College of pharmacy, Pune.
11. AICTE sponsored Two Weeks QIP programme on Advances in Drug Discovery and Pharmaceutical Sciences: A Research Perspective from 5<sup>th</sup> to 17<sup>th</sup> February 2018 at Bharati Vidyapeeth's Poona College of Pharmacy, Pune
12. F.Y. B. pharm. and F. Y. M. Pharm. Curriculum Orientation programme held on 17<sup>th</sup> October 2018 at Shankarrao Ursal College of Pharmaceutical sciences and Research Center