



# 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. Trupti S. Chitre

**Designation:** Associate Professor

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

**Contact No:** 020-26058204/9860993381

**Email-Id:** [trupti\\_chitre@aissmscop.com](mailto:trupti_chitre@aissmscop.com)

**Linkdin Profile Link:**

<https://www.linkedin.com/in/trupti-chitre-570493219/>



## PROFESSIONAL EXPERIENCE:

1. Working as Associate Professor from April 2012 at AISSMS College of Pharmacy, Pune-411001.
2. Worked as Assistant Professor from November 2007 to March 2012 at AISSMS College of Pharmacy, Pune-411001.
3. Worked as Assistant Professor from March 2002 to November 2007 at Sinhgad College of Pharmacy, Pune-411041.
4. Worked as Lecturer from July 2000 to March 2002 at Allana College of Pharmacy, Pune-411001.
5. Worked as Lecturer from June 1997 to March 2000 at D.Y.Patil College of Pharmacy, Pimpri, Pune.

## TOTAL EXPERIENCE IN YEARS:

- ❖ Teaching: 28 Years.
- ❖ Research: 18 Years.

## AREAS OF INTEREST:

Synthesis and Pharmacological screening of designed compounds for activities like: Anti-TB; anti-HIV-1, Anti-inflammatory, Anticancer

- ❖ Approved as Ph.D guide by Savitribai Phule Pune University

### **Ph.D. STUDENTS GUIDED: 03 (Under guidance)**

- ❖ Approved as Ph.D guide by Savitribai Phule Pune University.

### **M. PHARM STUDENTS GUIDED: 41**

- ❖ Approved as PG guide by Savitribai Phule Pune University and guided 30 M. Pharm students

### **BOOKS AUTHORED: 01**

Name of Book: Experimental Pharmaceutical Organic Chemistry: A benchtop manual First Edition: 2006

Contributing Authors:

1. Dr. K. S. Jain
2. Dr. P. B. Miniyar

Publisher: Career Publications, Nashik, Maharashtra.

### **PROFESSIONAL AFFILIATIONS:**

- ❖ Life Member: Association of Pharmacy Teachers of India
- ❖ Life Member: ISTE
- ❖ Life Member: PCI

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

- ❖ No. of In-house Projects: 00(Co-01)
- ❖ No. of Funded Research Projects (University/Industry): 03
- ❖ Amount of Research Grant Received: 7 Lakh and 70,000/-

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

- ❖ Member IQAC
- ❖ Member RAC
- ❖ In charge Extensions Cell
- ❖ Value added Courses
- ❖ FDP committee
- ❖ T and P committee

- ❖ Worked as a coordinator for SPPU sponsored seminar entitled “Biological screening techniques and Drug discovery, 13<sup>th</sup> January 2011
- ❖ Worked as a coordinator for University of Pune sponsored QIP Programme “Role of Medicinal Chemist and Phytochemist in Drug Discovery”, 16/02/2016.
- ❖ Coordinated International Seminar, Current Scenario: Pharmacy Practice and Technology, 17th -21<sup>st</sup> June 2020.
- ❖ Co-Coordinator International FDP on research and Regulatory Requirements: An industry Perspective on 16<sup>th</sup> November 2021.

#### **Past committees Handled**

- ❖ NAAC coordinator (for last 2 cycles)
- ❖ Working as Member Library Committee
- ❖ Working as In charge Mentoring/Counseling
- ❖ Working as Incharge Internal Complains Committee
- ❖ Member IPR
- ❖ Class Teacher

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

- ❖ Cleared GATE examination Recipient of AICTE Scholorship during M. Pharm. Course.
- ❖ Shri Murgeppa Sirse; 8<sup>th</sup> APTI, **National Convention of Pharmacy** teachers held at Hubli, Karnataka, 2003.
- ❖ Development of Metallocenes: A modified approach towards resistant tuberculosis, Second in 2<sup>nd</sup> international conference on HERBAL AND SYNTHETIC DRUG STUDIES -10<sup>th</sup> to 12<sup>th</sup> Feb. 2014 at ISTRA, Pune ;Consolation prize for poster
- ❖ Best Sem 8 Project award for Pharmchem
- ❖ Presentation awards for PG Students under guidance at National Conference (SMT,Nashik)

#### **PUBLICATIONS:**

- ❖ REVIEWS: 05
- ❖ NATIONAL RESEARCH PUBLICATIONS: 02
- ❖ INTERNATIONAL RESEARCH PUBLICATIONS: 40
- ❖ H index - 12
- ❖ i10 Index - 15
- ❖ No of Citations - 793

#### **REVIEW PUBLICATIONS:**

1. Biological & Medicinal Significance of Pyrimidines: The Chemistry and Biological Significance, review Current Science, 90,793(2006).
2. Londhe S.V.,Mulgund S.V.,Chitre T.S.,Mallade P.S., Bariwal J.B. and K. S. Jain, Hyphenated techniques in analytical world, Indian J.Pharm.Educ.Res.42(4)Oct-Dec,2008 .
3. Exploring Pyrimidine Pharmacophore as Thymidine Monophosphate kinase inhibitors for antitubercular activity: A review, Cuurrent topics in Medicinal Chemistry,2016(16)3211-3223, T. S. Chitre,K. D. Asgaonkar, M.K.Kathir,S.M.Patil,S.B.Padhey.
4. Acid ceramidase-1 (ASA1/aCDase) an important for anticancer drug discovery: a review ;Seemarani M. Pawar1\* , Trupti Chitre1 and Prasad Dandawate2; Future Journal of Pharmaceutical Sciences (2025) 11:58 <https://doi.org/10.1186/s43094-025-00816-4;1-13~>
5. Advancing EGFR-targeted anticancer strategies: the potential of thiazole, pyrazole, and thiazole-pyrazole hybrids(2025), Prerana Sanas1,2\* and Trupti Chitre  
<https://doi.org/10.1186/s43094-025-00893-5>

## NATIONAL RESEARCH PUBLICATIONS:

1. Microwave assisted organic synthesis for undergraduate chemistry practical; IJPER,42 (4) 2008. T.S.Chitre, K.S Jain, S. Londhe.
2. QSAR and Molecular Docking Studies of 5-benzylide no-2-adamantylthiazol[3,2-b][1,2,4]triazol-6(5H)ones Derivatives as Antimicrobial Activity DOI: 10.5530/001954641712 [www.emanuscript.in] Trupti Chitre1,\* , Sheetal Parse1 , Kalyani Asgaonkar1 , Vijay Khedekar2 , Shivani Jadhav1 , Kunal Pradhan1.Indian Journal of Pharmaceutical Education and Research., 2023; 57(1):194-201.

## INTERNATIONAL RESEARCH PUBLICATIONS:

1. T.S.Chitre, K.S.Jain, P.S.Bhutada, K.Nandkumar, R.S.Soman, P.B.Miniyar: Analgesic and Antiinflammatory Activity of Ethyl Acetate Extract of heartwood of Aquilaria Agallocha, in laboratory animals Pharmacology online 1, 288-298 (2007)
2. K. S. Jain,M.K.Kathiravan,C.J.Shishoo,T.S.Chitre,K.R.Mahadik: Efficient and rapid one pot synthesis of substituted 2- amino-3- carbethoxythiphenes under microwave irradiation,Synth communication,37:4273-4279,2007.
3. T.S.Chitre, K.S.Jain,P.B.Miniyar: Anti-oxidant activity of ethyl acetate extract of Aquilaria Agallocha on nitrite induced methemoglobin formation –International Journal of green chemistry,2,Jan-March 2008, issue 1.
- 4 Vyankatesh Raparti , Trupti Chitre , Kailas Bothara a, Vanaja Kumar , Sudarshan Dangre.. Novel 4-(morpholin-4-yl)-N0-(arylidene)benzohydrazides: Synthesis,antimycobacterial activity and QSAR investigations, European Journal of Medicinal Chemistry,44(2009)3954-3960.
5. Trupti S.Chitre\* and Kailash G.Bothara, Synthesis of some uracil derivatives using ionic liquid, Der Chemica Sinica, 2011, 2 (2): 187-193.

6 Trupti S.Chitre and Kailash G.Bothara, Pyrimidinedione: Pharmacophore Optimization of Selective Thymidine Monophosphate Kinase inhibitors using Group QSAR Studies as Potential Antitubercular agents, *J. Chem. Pharm. Res.*, 2011, 3(2):479-488.

7. Trupti S. Chitre 1\*, Muthu K. Kathiravan 2, Aparna S. Chothe 1, Vijay K. Rakholiya 1, Kalyani D. Asgaonkar 1, Shital M. Patil 1, Kailash G. Bothara, Synthesis and Antitubercular activity of some substituted pyrimidine derivatives, *Journal of Pharmacy Research*, Vol.4.Issue 6. June 2011.

8. T.S. Chitre\*, K.G. Bothara, S.M. Patil, K.D. Asgaonkar, S. Nagappa and M.K. KathiravanDesign, Synthesis, Docking and Anti-mycobacterial activity of some novelthiouracil derivatives as thymidine monophosphate kinase (TMPKmt) inhibitors, *International Journal of Research in Pharmaceutical and Biomedical Sciences*, Vol. 2 (2)Apr – Jun 2011 .

09. Trupti S.Chitre \*, Kailash G.Bothara, Shashikant V.Bhandari, Rajeshwar R.Jalnapurkar and Muthu K. Kathirav : Pharmacophore optimization and design of competitive inhibitorsof Thymidine Monophosphate Kinase through molecular modeling studies; *Chemical Biology & Drug Design*: 2011; 78: 826–834

10. 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 ABCdoi:10.4236/abc.2011.12002; Published Online August 2011 (<http://www.SciRP.org/journal/abc/>).

11. Muthu Kumaradoss Kathiravan, Rajeshwar Rajendra Jalnapurkar, Aparna Surendra Chothe, Trupti Sameer Chitre, Riyaj Shaukat Tamboli, Kumar V. Srinivasan\*: Green and Sustainable Chemistry, 2011, 1, 12-18 doi:10.4236/gsc.2011.11003 Published Online February2011 (<http://www.SciRP.org/journal/gsc>) The Synergy of Combined Use of DMSO and Bronsted Acid (Ionic Liquid) as a Catalyst —Part I: Efficient Niementowski synthesis of modified quinazolinones

12. Vijay K Rakholiya, Trupti S Chitre1\*, Rohan V Bamane; 2D and 3D QSAR Studies of Phthalazine Derivatives as Alpha-1d Antagonists: *Inventi Rapid: Med Chem* Vol. 2011, Issue 3[ISSN 0976-3821].2011pmc093, CCC: \$10 © Inventi Journals (P) Ltd; Published on Web 06/08/2011, [www.inventi.in](http://www.inventi.in)

13. Vijay K Rakholiya, Trupti S Chitre\*, Rohan V Bamane; Application of Schotten baumanreaction: Synthesis of some tetrahydroquinazoline-3 – carohydrazide derivatives.

14. Vijay K Rakholiya1, Trupti S Chitre\*, Rohan V Bamane; *Der Pharma Chemica*, 2011, 3(4):227-237; Molecular docking studies of quinoline-3-carbohydrazide as novel PTP1B inhibitors as potential antihyperglycemic agents

15. QSAR and Molecular Docking Studies of Oxadiazole-Ligated Pyrrole Derivatives as Enoyl-ACP (CoA) Reductase Inhibitors Kalyani D. Asgaonkar \*, Ganesh D. Mote, Trupti Chitre ;sci pharm. 2014; 82: 71–85.

16. QSAR, docking studies of 1,3-thiazinan-3-yl isonicotinamide derivatives for antitubercular activity, *Computational Biology and Chemistry* 68(2017)211–218. Trupti S. Chitre\*, Kalyani D. Asgaonkara, Shital M. Patila, Shiva Kumar, Vijay M. Khedkarb, Dinesh R. Garud.

17. Synthesis and Evaluation of Anti-Inflammatory, Analgesic, Ulcerogenicity, and Nitric Oxide Releasing studies of Novel Pyrimidine Analogs as non-Ulcerogenic derivatives; IJCPS, 2016, 4(8): 423–430. Nileema S. Modhave, Trupti S Chitre, Vidya P Pawar.

18.2D and 3D QSAR of Benzimidazole Analogues as NNRTI inhibitors; Computational Biology and Chemistry; Indian Journal of Pharmaceutical Education and Research Vol 51 ; Issue 2 (Suppl) Apr-Jun, 2017 .Shital Patil\*, Kalyani Asgaonkar, Trupti Chitre, Vedika Bhat, Sayali Ethape, Anagha Sujalegaonkar,Sudeep Bhalekar.

19. Synthesis and docking studies of pyrazine–thiazolidinone hybrid scaffold targeting dormant tuberculosis-Bioorganic & Medicinal Chemistry Letters .26 (2016) 2224–2228.

20. 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. Shital Manoj Patil\*, Kalyani Dhirendra Asgaonkar, Trupti Sameer Chitre, Aditi Kinikar, Chaitali Kharat, Vaibhavi Bhoirekar, Madhura Athavale, Mitali Katkar

21. Comparative Docking Studies: A Drug Design Tool for Some Pyrazine Thiazolidinone Based Derivatives for Anti-HIV Activity; Kalyani Dhirendra Asgaonkar\*, Shital Manoj Patil\*, Trupti Sameer Chitre, Vaibhav Nanabhau Ghegade, Saurabh Radhaji Jadhav, Sajid Shaukat Sande and Atharva Sudhakar Kulkarni ; *Current Computer-Aided Drug Design*, 2019, 15, 252-258

22. Non nucleoside Reverse Transcriptase Inhibitors, Molecular Docking Studies and Antitubercular Activity of Thiazolidin-4-one Derivatives. *Current Computer-Aided Drug Design*. 2019, 15, 433- 444. Trupti S. Chitre\*, Shital M. Patil, Anagha G. Sujalegaonkar, Kalyani D. Asgaonkar, Vijay M. Khedkar, Dinesh R. Garud, Prakash C. Jha, Shraddha Y. Gaikwad, Smita S. Kulkarni, Amit Choudhari, Dhiman Sarkar

23. Designing of Thiazolidin-4-one Pharmacophore using QSAR Studies for Anti-HIV Activity, IJPER, 55, 2 581.2020-21, Trupti S. Chitre\*, Shital M. Patil, Anagha G. Sujalegaonkar, Kalyani D. Asgaonkar,

24. In silico synthesis and Antitubercular activity of some novel quinoline-azitidinone derivatives, Trupti S. Chitre\*, Shital M. Patil, Anagha G. Sujalegaonkar, Kalyani D. Asgaonkar, A. Vikhe, D. Sarkar, D. Garud, L. Navle, V. Khedkar and A. Yeware. *Current computer aided drug design*, 2021, 17, 134-143.

25. K.D.Asgaonkar ,SMPatil TSChitre SD Wani,,M.Singh;QSAR Tool for optimization of nitrobenzamide pharmacophore for antiTB activity, *Bulletin of karangada University, Chemistry*, 105(1), 60-68, 21-22

26. Padmanabh B. Deshpande<sup>1</sup> , Pranav S. Uttekar<sup>2</sup> , Trupti S. Chitre<sup>3</sup> HPTLC Quantification of Gallic Acid as a Marker in Methanolic Extract of Leaves of Psidium guajava (guava) Linn.; 1380-

27. In-silico studies of 2-aminothiazole derivatives as anticancer agents by QSAR, molecular docking, MD simulation and MM-GBSA approaches Trupti S. Chitre , Purvaj V. Hirodea , Deepak K. Lokwanib , Aniket L. Bhatambrekara , Sayli G. Hajarea , Shubhangi B. Thorata , D. Priyac , Kunal B. Pradhana , Kalyani D. Asgaonkara and Shirish P. Jainb. , DOI: 10.1080/07391102.2023.2262594; JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS. Volume 40(11).1-18.

28. 2,4,6-Trimethoxy chalcone derivatives: an integrated study for redesigning novel chemical entities as anticancer agents through QSAR, molecular docking, ADMET prediction, and computational simulation Trupti S. Chitre , Aayush M. Mandota , Ramali D. Bhagwata , Nikhil D. Londhea , Atharva R. Suryawanshia , Purvaj V. Hirodea , Aniket L. Bhatambrekara and Somdutta Y. Choudharib. JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS <https://doi.org/10.1080/07391102.2024.2309644>.

29. ADME, Synthesis and Antimycobacterial Activity of 1,2,4-Triazol-3-thiol Linked Phenylacetamide Derivatives Trupti Chitre1,\* , Shivani Jadhav1 , Kalyani Asgaonkar1 , Kunal Pradhan1 , Kalash Shelke1 , Shubhangi Thorat1 and Aniket Bhatambrekara1. Current Indian Science, 2023, Volume 1. DOI: 10.2174/012210299X239429231026060353, 2023, 1, e2210299X239429.

30. Designing of trifluoromethyl substituted pyrimidine pharmacophore for antiprostate activity through a collective computational approach;K Asgaonkar, S Tanksali, K Abhang, K Shevate, S Patil, T Chitre ;Indian Journal of Pharmaceutical Education and Research 57 (3), 827-837

31. Current Drug Discovery Technologies, XXXX, XX, 1-0 1 1570-1638/XX \$65.00+.00 © XXXX Bentham Science Publishers RESEARCH ARTICLE A Combination of Pharmacophore Generation, Ligand-based Virtual Screening, Atom-based 3D-QSAR, and Molecular Docking Studies on Febuxostat-based Amides Analogues as Anti-inflammatory Agents Trupti S. Chitre1,\* , Aniket L. Bhatambrekara1 , Purvaj V. Hirode1 , Shubhangi B. Thorat1 , Sayli G. Hajare1 , Dinesh R. Garud2 , Sakshi M. Jagdale1 and Kalyani D. Asgaonkar1,1.

32. QSAR and molecular docking studies of 5-benzylideno-2-adamantylthiazol [3, 2-b][1, 2, 4] triazol-6 (5H) ones derivatives as antimicrobial activity;T Chitre, S Parse, K Asgaonkar, V Khedekar, S Jadhav, K Pradhan;2023;Indian Journal of Pharmaceutical Education and Research 57 (1), 194-201

33. Rational design of some 1,3,4 trisubstituted pyrazole-thiazole derivatives to serve as MtInhA inhibitors using QSAR, ADMET, molecular docking, MM-GBSA, and molecular dynamics simulations approach Neha M. Mhetre a , Aniket L. Bhatambrekar Muthukumaradoss Kathiravan b a , D. Priya ,

Krishna S. Shevate c b , Venkatesan Saravanan , Kalirajan Rajagopal Kalyani D. Asgaonkar a a , Trupti S. Chitre a, Chemical Physics Impact 9 (2024) 100769

34. In Silico Development of Pyrimidine-Based Antifungal Compounds Using 3D-QSAR, ADMET and Molecular Docking Approaches Kalyani D. Asgaonkar\*, ParthA.Shah, AkshataP.Naik, Dipti D.Ghate, Gajanan P. Rathod, Shubham S. Kachare,Shital M. Patil, Trupti S.Chitre; YMER || ISSN : 0044-0477 VOLUME 23 : ISSUE 11 (Nov) - 2024 <http://ymerdigital.com>

35. Green Chemistry and In silico Techniques for Synthesis of Novel Pyranopyrazole and Pyrazolo-pyrano-pyrimidine Derivatives as Promising Antifungal Agents;Kalyani D Asgaonkar, Trupti Sameer Chitre, Shital Manoj Patil, Krishna Sambajirao Shevate, Ashwini Kishan Sagar, Dipti Dattatray Ghate, Parth Anil Shah; Recent Advances in Anti-Infective Drug Discovery; 2024/8/1.

36. Use of Pharmacophore Modeling, 3D-atom-based QSAR, ADMET, Docking, and Molecular Dynamics Studies for the Development of Psoralen-based Derivatives as Antifungal Agents;Kalyani D Asgaonkar, Shital M Patil, Trupti S Chitre, Arati Prabhu, Krishna S Shevate, Ashwini K Sagar, Akshata P Naik; 2024/6/1;Anti-Infective Agents

37. Design and Evaluation of Aromatase Inhibitors: 2-phenylindole scaffolds with a moiety of either imidazole or 1,2,4-triazole derivatives through 3D QSAR, ADMET, Molecular Modelling and MD Simulation studies. Trupti S. Chitre1 \*, Kalyani D. Asgaonkar1, Snehal Sonwane1 , Aditya Sawant1 , Kalirajan Rajagopal2 , Krishna Shevate2 , Pranjali A. Nandanwar1 , Anchal D. Yadav1 , Rutuja C. Joshi1 , Sonali S. Shelake1. YMER || ISSN : 0044-0477 VOLUME 23 : ISSUE 11 (Nov) - 2024 <http://ymerdigital.com.1273-1308>.

38. Designing of Pyrazole Derivatives Using 3D-QSAR, ADMET, Molecular Docking and MD Simulations for Enhanced Antibacterial Properties;In Press. Available online July 18, 2025;Author(s): Kalyani Dhirendra Asgaonkar\*, Akshata Parashram Naik, Parth Anil Shah, Dipti Dattatray Ghate, Shubham Sandeep Kachare, Gajanan Pandit Rathod, Shital Manoj Patil, Trupti Sameer Chitre, Krishna Shevate and Kalirajan Rajagopal;Published on: 18 July, 2025;DOI: 10.2174/0115701786360412250709155912

39. Design, Synthesis, and Biological Evaluation of Pyrano[2,3-c]pyrazole Derivatives as Potential Antibacterial Agents;In Press. Available online August 21, 2025;Author(s): Kalyani Dhirendra Asgaonkar\*, Akshata Parashram Naik, Dipti Dattatraya Ghate, Parth Anil Shah, Shubham Sandeep Kachare, Gajanan Pandit Rathod, Trupti Sameer Chitre and Shital

Manoj Patil; **Published on:** 21 August, 2025; Article ID: e29504023394798; **DOI:** 10.2174/0129504023394798250812051630.

40. Integrated Computational Approach for the Discovery of Novel Tropomyosin Receptor Kinase (TRKs) Inhibitors as Anticancer Agents; **Dr. Trupti S. Chitre, Anchal D. Yadav, Rutuja C. Joshi, Kalyani D. Asgaonkar, Krishna Sambhajirao Shevate, Dr. Kalirajan Rajagopal, Sonali S. Shelake, Pranjali A. Nandanwar, Sakshi R. Gaikwad, Dr. Somdatta Chaudhari;** 30 September 2025; 30 September 2025; **ChemistrySelect;2025, 10,37;e03349(1of22)**  
[;https://doi.org/10.1002/slct.202503349](https://doi.org/10.1002/slct.202503349)

## **PRESENTATIONS:**

### **PAPERS PRESENTED:**

As an Author: 05

As a Co-author: 28

#### **As an Author:**

- ❖ Innovation 2017, Poster, Metallocenes and their betacyclodextrene conjugates: A step towards Resistant Tuberculosis Smt Kashibai Navle College of Pharmacy, Kondhwa, Pune, 18th November 2017, BCUD, Abstract No.B-2
- ❖ Design , Synthesis and Biological Evaluation of Some Non-Nucleoside HIV-1 RT inhibitors Using Structure Optimization through Molecular Modeling studies, Regional Research Conference, INNOVATION, 2010-11
- ❖ Design and synthesis of some heterocyclic derivatives at Avishkar competition 2012.
- ❖ Development of Metallocenes : A modified approach toward Resistant Tuberculosis :Innovation 2014, 23 rd April
- ❖ Design, synthesis and Antimicrobial activity of some heterocyclic compounds. , Avishkar, SCOP, 15th Dec., 2009.

#### **❖ As a co-author:**

## **NATIONAL**

1. K. S. Jain, T. S. Chitre and G. P. Jadhav, Advanced separation technique, at the APTI, 7th Convention, Goa, 20th – 22nd Sep., 2002.
2. K. S. Jain, P. B. Miniyar, and T. S. Chitre, Pharmainformatics : A Broader Perspective, at the APTI, 7th Convention, Goa, 20th – 22nd Sep., 2002.
3. T. S. Chitre, M. S. Honrao, A. Thomas and P. Patki, An evalutation of awareness of adverse effects of commonly used medications amongst drug consumers and prescribers, at the 54th Indian Pharmaceutical Congress, 13th-15th Dec. 2002
4. S. K. Patwardhan, S. M. Meher, K. N. Gujar, T. S. Chitre and A. P. Pandit, Validation : A key to unlock the potential of Ayurvedic and Herbal preparations in global market at the APTI 8th convention, Hubli, from 17th–18th Oct. 2003.
5. S. K. Patwardhan, A. P. Pandit, and T. S. Chitre, Pharmacist A Professional Education in Prenatal Care at the 8th APTI convention at Hubli from 17th–18th Oct. 2003.
6. P. B. Miniyar, T. S. Chitre, S. K. Patwardhan and A. P. Pandit Standard Operating Procedure for Efficient Working of Exam Section of Pharmacy College, at the 8th APTI convention at Hubli from 17th–18th Oct. 2003.
7. K. S. Jain, T. S. Chitre and R. Gangote, Microwave Irradiation : A Fast, Efficient and Eco-Friendly Technique for Chemical Synthesis and Analysis, at the APTI International convention held at Vishakapatnam from 2nd – 3rd Oct. 2004.
8. K. S. Jain, P. B. Miniyar, T. S. Chitre, A. S. Pangarkar and S. A. Mishra, Novel methodology for Chemical Nomenclature, at the APTI International convention held at Vishakapatnam from 2nd – 3rd Oct. 2004.
9. K. S. Jain, T. S. Chitre, A. V. Apte and M. M. Pandit, Purification of Organic compounds: Selection of Solvents, at the APTI International convention held at Vishakapatnam from 2nd – 3rd Oct. 2004.
10. K. S. Jain, T. S. Chitre, A. V. Apte and M. M. Pandit, Purification of Organic compounds: Selection of Solvents, at the APTI International convention held at Vishakapatnam from 2nd – 3rd Oct. 2004.
11. T.S.Chitre, P.B.Miniyar, K.S.Jain, S.M.Meher, A.V.Apte & M.M. Pandit, —Novel Teaching Aid In Biochemistry in 9th APTI International Convention, Oct. 2 -3, 2004, Visakhapatnam
12. P. B. Miniyar, K. S. Jain, T. S. Chitre, A. S. Pangarkar & S. A. Mishra, —Novel methodology for Chemical Nomenclature in 9th APTI International Convention, Oct. 2 -3, 2004, Visakhapatnam
13. P.B. Miniyar, T.S. Chitre et. al. ;Innovative Teaching Aid in Organic Chemistry" in 8th APTI, National Convention, Oct. 17-18, 2003, Hubli.
14. K. S. Jain, G.P. Jadhav, M.A. Nagras, T.S. Chitre & P.B. Miniyar, —Phase Transfer Catalysis And its Applications In Drug And Pharmaceutical Industry in 7th APTI, National Convention, Sept. 20-21, 2002, Panji, Goa.
15. T.S.Chitre\*, K.S.Jain, N.P.Dhore, S.S.Kadam & A.B.Gujar, —Osmosis: An Important Phenomenon and Its Relevance To Pharmacy in 9th APTI International Convention, Oct. 2 -3, 2004, Visakhapatnam

16. T.S.Chitre, K.S.Jain, P.B. Miniyar,V.S.Bendre, —Innovative teaching aid in stereochemistry|| in 10th APTI I Convention, Oct.16-17, 2005, Nagpur .

17. K.S.Jain, T.S.Chitre, M.Phoujdar,D.A.Patil, — Novel synthesis of Prazosin analogs using Microwave assisted organic reaction enhancement. 57th IPC, Hyderabad, 2, 3, 4 December 2005.

18. K.S.Jain, P.B. Miniyar, T.S.Chitre, M.K. Kathiravan —Microwave based synthesisfor undergraduate cours|| in 10th APTI I Convention, Oct.16 -17, 2005, Nagpur.

19. K.S. Jain<sup>1</sup>, S. R. Patil<sup>2</sup>, V. S. Veer<sup>2</sup>, T.S.Chitre<sup>1</sup>, S.V.Londhe<sup>1</sup>, M.S.Bhosale<sup>1</sup>, A.Mahajan<sup>S.S.Kadam</sup><sup>2</sup>& M.A.Nagras<sup>1</sup>. Design, Synthesis & Antihyperlipamic Activity of Some Condensed 2-Chloroethylpyrimidin-4(3H)-ones & 4-Chloro-2- chloroethyl pyrimidines 57th IPC, Hyderabad, 2,3,4 December 2006

20. Chitre T.S., Somani R.S., Jain K.S. —Analgesic and antiinflammatory activity of heartwood of Aqualaria agallocha in laboratory animals||. Presented at 11th Annual National Convention of APTI, Bangalore, 2006.

21. T.S.Chitre, —Synthesis, Antimicrobial activity and 2 D- QSAR of Novel Hydrazones of 4-(4-Morpholino) Benzohydride.||, 61st IPC,Ahmedabad, 11th –13th Dec., 2009.

22. T.S.Chitre, —Design , synthesis and Antimycobacterial activity of some heterocyclic compounds.|| 61st IPC,Ahmedabad, 11th –13th Dec., 2009.

23. Metrxplore 7<sup>th</sup> National Level UG Research Conference 7<sup>th</sup> May 2022, Nashik. (As guide to undergraduate students)

### **INTERNATIONALRESEARCHPUBLICATIONS:**

1.K. S. Jain, T. S. Chitre, Anamik Shah, M. Phaoujadar Total microwave based synthesis of novelthionopyrimidines analogs of gefitinib , 8th Tetrahydron symposium , 27th to 29th Jan 2007, Berlin ,Germany.

2. K. S. Jain, T. S. Chitre, M. Phaoujadar — Novel facile and eco-friendly green chemistry sysnthesis of some important drug intermediates and API's, 8th tetrahydron symposium , 27th to 29th Jan 2007, Berlin , Germany.

3.K. S. Jain, T. S. Chitre, M. Phaoujadar, A. M. Mahajan Microwave based high throughput synthesis of 2,4 diamino 4 amino thieno ( 2,3 d-) pyrimidines, 8th Tetrahydron symposium , 27th to 29th Jan 2007, Berlin , Germany.

4.K. S. Jain, M. K. Kathiravan, V. S. Veer, S. Wakadkar, T.S. Chitre, P. B. Miniyar, P. S. Gadewar and S. S.Kadam, Novel Synthesis of Prazosin Analogs using MAicrowave Assisted Organic Reaction Enhancement (MORE), Joint International Conference on Building Bridges, Forging Bonds for 21st Century Organic Chemistry and chemical Biology, National Chemical Laboratory, Pune, 6th-9th January, 2006.

5.K. S. Jain, V. S. Veer, S. Wakadkar, T. S. Chitre, P. S. Gadewar, V. S. Bendre, P. B. Miniyar, D. A. Patil, A.V. Bhosale, M. N. Deodhar and M. K. Kathiravan, Synthesis of Prazosin analogs using Microwave Assisted Organic Reaction Enhancement (More), presented at the Second International Symposium on Drug Discovery and Process Research, Belgaum, 12th -14th Feb., 2006.

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

1. APTI Convention, Pune.
2. Indian Pharmaceutical Congress ,54<sup>th</sup> (Pune) .
3. Attended University of Pune (BCUD) INNOVATION 2008-2009 regional conference for Pune University College Teachers on 21<sup>st</sup> -22<sup>nd</sup> Nov. 2008 held at SGRS College of Pharmacy, Saswad.
4. Attended University of Pune (BCUD) INNOVATION 2009-2010 regional conference for Pune University College Teachers on 5<sup>th</sup> -6<sup>th</sup> January 2009 held at SGRS College of Pharmacy, Saswad.
5. Attended University of Pune (BCUD) INNOVATION 2010-2011 regional conference for Pune University College Teachers on 28<sup>th</sup> – 29<sup>th</sup> Oct. 2010 held at Amrutvahini College of Pharmacy, Sangamner.
6. Attended University of Pune (BCUD) INNOVATION 2011-2012 regional conference for Pune University College Teachers on 18<sup>th</sup> -19<sup>th</sup> March 2012 held at Allard College of Pharmacy, Pune.
7. 19<sup>th</sup> APTI Convention, Pune. 28-30 November 2014
8. 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.
9. 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.
10. Attended one day state level poster presentation competition “SYNAPSE 2016” organized by AISSMS College of Pharmacy on 14<sup>th</sup> October 2016.
11. Insights of Accreditation Process for Affiliated Colleges. ” organized by AISSMS College of Pharmacy on 6-7 February 2018.
12. Industry Academia innovative Practices and Intellectual Property Rights (IPR) organized by AISSMS College of Pharmacy on 24-25 January 2018.
13. Poster-Designing of Thiazolidin-4one Pharmacophore using QSAR studies for Anti-HIV activity- At International Conference on Recent Trends in Drug Discovery and Development- Maitreyi College,University of Delhi (online) Kunal Pradhan on 7<sup>th</sup> Jan 2022.
14. Poster- Designing of Thiazolidin-4-one Pharmacophore using QSAR studies for Anti-HIV activity-Dr. Rajendra Gode Institute of Pharmacy, Amravati,15th And 16th December 2021, 16<sup>th</sup> December 21.Shivani Jadhav.
15. Indo-US International Conference on “UNLOCKINGHORIZONS INGLOBALMULTI-DISCIPLINARYHEALTHCARE RESEARCH” held at Progressive Education Society’s,

Modern College of Pharmacy,Nigdi, Pune-44 in collaboration with Association of Pharmacy Professionals(APP) between 10 to 12 March 2025

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

1. Attended Savitribai Phule Pune University sponsored two day state level seminar on "QbD in Formulation Development" held at AISSMS College of Pharmacy, Pune on 21<sup>st</sup> and 22<sup>nd</sup> January 2015.
2. Attended Savitribai Phule Pune University sponsored one day state level seminar on "Role of Medicinal Chemist and Phytochemist in Drug Discovery" held at AISSMS College of Pharmacy, Pune on 12<sup>th</sup> February 2016.
3. Attended 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 2016.
4. Attended 2nd International conference on HERBAL AND SYNTHETIC DRUG STUDIES on 10th to 12th feb 2014 at ISTRA, Pune
5. AICTE Sponsored Faculty Development Programme on "A Foundation Course in Modern Biotechnology & Bioinformatics for Pharmacy Teachers" during 11th - 22nd Nov. 2003 at Sinhgad College of Pharmacy, Vadgaon (Bk.) Pune - 41.
6. Pune university Sponsored National Seminar on "Biotechnology: An Emerging Frontier for the Indian Pharmaceutical Industry." 13th Oct. 2003 at Sinhgad College of Pharmacy, Vadgaon (Bk.) Pune - 41.
7. AICTE-ISTE sponsored short-term training programme (17th Nov. to 30th Nov. 1999) at Padmashree Dr. D. Y. Patil College of Pharmacy, Pune.
8. AICTE-ISTE sponsored national seminar on 'New Avenues in Drug Design' at AISSMS College of Pharmacy (14th to 19th May 2001).
9. A Practical introduction to Green Chemistry for Pharmacy teachers and student, Saturday, 26th November 2005 at Sinhgad College of Pharmacy, Vadgaon (Bk.) Pune.
10. IPA sponsored one-day seminar on —Patents and IPR in Pharma Industry – Current scenario. On 23rd August 2006 at Sinhgad College of Pharmacy, Vadgaon (Bk.) Pune 41.
11. QSAR programme organized at Indira college of Pharmacy during June 2008. Two days Schrodinger docking workshop at NCL, PUNE on 10th and 11 July 2008.
12. Pune university Sponsored National Seminar on "Drug Discovery and Development." 12th-13th Jan. 2008 at Smt. Kashibai Navale College of Pharmacy, Pune - 48.
13. AICTE sponsored faculty development programme on 'New Avenues in Drug Design' at AISSMS College of Pharmacy (2008).

14. **Online activities : Attended 40 till date (Only major FDP considered)** : One month MOOC course at Modern college of Pharmacy, FDP at Sinhgad College of Pharmacy,Pune, D.Y.Patil Pharmacy Coolege, Pimpri,Akurdi,Pune and Nashik.
15. Atal Course on Emotional Intelligene 19.10.2020- 23.10.2020 at MMCOP
16. Atal course on Organizational Behavior at NIPER,Hyderabad, 12.7.21- 16-07-21.
17. Swyam –Stress Management 2019
18. Swyam –Body Language 2020
19. Swyam-Cognition Transformation and lives 2021
20. Swyam- GChemPaint organized by IIT Bombay - Spoken Tutorial2022
21. Swyam- Jmol application by IIT Bombay - Spoken Tutorial2023
22. STTP ,Shirur-Scientific Research paper,Patents and Research Proposal Writing for Grants and an Ethics- 5<sup>th</sup> June 2021-10<sup>th</sup> June 2021
23. STTP BNCP,Mumbai-2020-Digital Pedagogy.
24. Swyam –NPTEL-AICTE-Cognition Transformation and Lives ,August-September 2021
25. NITTR-S Kolkatta-Short term Training Programme online, “Thesis and Research Paper Writing”-21<sup>st</sup>-25<sup>th</sup> Feb 2022.
26. FDP-“ New Edge Educational Standards for Teachers”-online-14<sup>th</sup> -18<sup>th</sup> February 2022by MET Bhujbal COP ,Nashik in association with APTI
27. DST-SERB sponsored National Workshop on “Tuberculosis a National Challenge and Government Strategies for Eradication of the disease, 14-15 March 2022.BVP’s Poona College of Pharmacy.
28. Webinar: National Intellectual Property Awareness Mission (NIPAM) January 25, 2023 in association with Intellectual Property Office, Mumbai .
29. 4 th Faculty Development Program (FDP) on Computer Aided Drug Design (CADD-2023) organized by Centre for Advanced Computational Chemistry Studies, Delhi from 23th – 29th January 2023 via Online Mode.
30. SPPU sponsored 2 days State level workshop on NEP at MMCOp,Pune on 13<sup>th</sup> and 14<sup>th</sup> Feb 2023.
31. SPPU sponsored 2 days State level workshop on NEP at AISSMSCOP,Pune on 6<sup>th</sup> and 7<sup>th</sup> Feb 2023.
32. Swyam 2024 Moodle application by IIT Bombay - Spoken Tutorial2024
33. ISTE FDP (1/7/24 to 5/7/24) on Bridging Academia by Advancing Research and Teaching with AI and Machine learning, organized by DY Patil Institute of Technology,Pimpri,Pune in association with ISTE.

## PARTICIPATION AS RESOURCE FACULTY:

- ❖ Resource Person :International Seminar on: **MDR/XDR Tuberculosis;** A healthcare Menace to developing countries, on 22/03/13, at Sinhgad College of Pharmacy,wadgaon ,Pune for University,2013.

## REVIEWER :-

Paper reviewed in -

- 1) **Journal of Ayurveda ( elsevier)**

**2 ) Molecular diversity (springer)**

**Title :- Advancing EGFR-targeted anticancer strategies: the potential of thiazole, pyrazole, and thiazole-pyrazole hybrids.**

**Dr. Trupti S. Chitre**

**14<sup>th</sup> March 1974**

**Nagpur**

**PhD**

**Associate Professor**