



**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

Regulated by NBA (B. Pharm Course) 2f/12B Recognition by UGC

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**Name:** Mrs. Kalyani D Asgaonkar

**Designation :** Assistant Professor

**Qualifications :** M. Pharm

**Contact No:** 020-26058204/9987013190

**Email-Id:** [kalyani\\_a@aissmscop.com](mailto:kalyani_a@aissmscop.com)



**PROFESSIONAL EXPERIENCE:**

1. Working as Assistant Professor from September 2008 at AISSMS College of Pharmacy, Pune-411001
2. Worked as Lecturer from July 1999 to November 2007 at Mumbai Educational Trust's (M.E.T.) Institute of Pharmacy, Bandra, Mumbai
3. Worked as Lecturer from July 1998 to July May1999 at NSS College of Pharmacy, Tardeo, Mumbai

**TOTAL EXPERIENCE IN YEARS:**

- ❖ Teaching: 17 yrs.

**AREAS OF INTEREST:**

Design, synthesis and biological evaluation of anti tubercular agents.

Design, synthesis and biological evaluation of anti cancer agents.

Design, synthesis and biological evaluation of anti HIV agents

**M. PHARM STUDENTS GUIDED: --**

- ❖ Approved as PG guide by Savitribai Phule Pune University

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

### **BOOKS AUTHORED: 03**

1. Name of Book: Pharmaceutical organic chemistry –I First Year B.pharm .  
Published by Tech Max publications- Pune.2011 ISBN-978-81-8492-754-2
2. Name of Book: Pharmaceutical organic chemistry –I First Year B.pharm sem I .  
Published by Tech Max publications- Pune 2013.ISBN- 978-93-5077-359-8
3. Name of Book: Pharmaceutical organic chemistry –I First Year B.pharm sem II -  
Published by Tech Max publications- Pune 2013.ISBN 978-93-5077-505-9

### **PROFESSIONAL AFFILIATIONS:**

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

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

- ❖ No. of Inhouse Projects: 07
- ❖ No. of Funded Research Projects (University/Industry): 01
- ❖ Amount of Research Grant Received: Rs1,70000/-

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

Worked as:

- ❖ Senior supervisor for University of pune examination April 2014,November 2015 at Allan COP
- ❖ Controller of winter exams for diploma Pharmacy.
- ❖ Guided B.Pharm students for seminars as part of their curriculum.
- ❖ Co-Guided M.Pharm students in their research activities.
- ❖ Coordinator for T.Y projects
- ❖ Co-Coordinator for National Board of Accreditation (NBA) in college.
- ❖ Coordinator for University of Pune sponsored seminar on “Biological screening techniques and drug discovery”.2010
- ❖ NBA- R&D and interaction effort committee member.
- ❖ NAAC coordinator
- ❖ NAAC – Governance committee incharge
- ❖ Organized field trip in environmental studies.
- ❖ Ph.D examination, Local Inquiry Committee, Staff selection, Affiliation committee

member in college.

- ❖ Departmental Library Incharge, Member of Library advisory committee
- ❖ Member of screening committee for Gender champion
- ❖ Coordinator for vidyarthini vyaktimahatav Yojana.

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

- ❖ Cleared GATE examination with 90 percentile
- ❖ Recipient of AICTE Scholarship during M. Pharm. Course.
- ❖ Letter of appreciation from All India All India Shri Shivaji Memorial society for selection of presentation in Avishkar completion (Zonal level) organized by University of Pune in 2011.
- ❖ Appreciation certificate for presentation on “ Comparative docking studies on some synthesized compounds for Anti HIV acitivity” at 3<sup>rd</sup> METRXPOLRE 2018 (UG research conference) held on 17<sup>th</sup> Feb 2018 at MET's Institute of Pharmacy, Nashik. Saurabh Jadhav, K. D Asgaonkar, S.M Patil.

#### **PUBLICATIONS:**

- ❖ REVIEWS: 02
- ❖ NATIONAL RESEARCH PUBLICATIONS:03
- ❖ INTERNATIONAL RESEARCH PUBLICATIONS: 12
- ❖ H index – 4
- ❖ i10 Index - 1
- ❖ No of Citations - 39

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

1. Trupti Sameer Chitrea,\*, **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, Volume16, number 28, November 2016, 3211-3223. Impact =3.4, ISSN: 1873-5294 (Online)ISSN: 1568-0266 (Print), Bentham science publishers
2. Study of some reaction intermediates **Kalyani D. Asgaonkar**. Juilee Kulkarni. jan-International Journal of Research in Pharmaceutical and Biomedical Sciences ISSN: 2229-3701. Vol. 3 (1) Jan – Mar 2012, 325-351

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

1. Comparative Study of Various Non-Nucleoside Reverse Transcriptase Inhibitors on Different Reverse Transcriptase Enzyme Shital Manoj Patil\*, **Kalyani Dharendra Asgaonkar**, Trupti Sameer Chitre, Aditi Kinikar, Chaitali Kharat, Vaibhavi Bhoirekar, Madhura Athavale, Mitali Katkar. Indian Journal of Pharmaceutical Education and Research | Vol 51 | Issue 4S | Oct-Dec (Suppl), 2017, S722- S 728, DOI: 10.5530/ijper.51.4s.104, ISSN : 0019-5464, SJR-0.22
2. 2D and 3D QSAR of Benzimidazole Analogues as Novel HIV-1 Non Nucleoside Reverse Transcriptase Inhibitors Shital Patil\*, **Kalyani Asgaonkar**, Trupti Chitre, Vedika Bhat, Sayali Ethape, Anagha Sujalegaonkar, Sudeep Bhalekar. Indian Journal of Pharmaceutical Education and Research 2017; 51(2s):122-128. Impact factor-0.219, ISSN-0019-5464
3. 2D and 3D QSAR of Benzimidazole Analogues as Novel HIV-1 Non Nucleoside Reverse Transcriptase Inhibitors Shital Patil\*, **Kalyani Asgaonkar**, Trupti Chitre, Vedika Bhat, Sayali Ethape, Anagha Sujalegaonkar, Sudeep Bhalekar. Indian Journal of Pharmaceutical Education and Research 2017;51(2s):122-128. Impact factor-0.219, ISSN-0019-5464

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

1. Exploring the potential of xanthene derivatives for antitubercular activity. Chitre TS\*, Khedkar VM, **Asgaonkar KD**, Dube AS, Shurpali K, Sarkar D, Kathiravan M and Jha PC. ISSN: 2399-9098. Glob Drugs Therap, 2017 doi: 10.15761/GDT.1000129. Volume 2(4): 1-5
2. QSAR, Docking studies of 1,3- thiazinan-3- yl-isonicotinamide derivatives for antitubercular activity. Computational biology and chemistry. 2017, 68, 211-218. Trupti S. Chitre, **K. D. Asgaonkar**, Shital M. Patil, Shiva Kumar, Vijay M. Khedkar, Dinesh R. Garud. Elsevier publication. Impact factor 1.014, SNIP -0.446, SJR-0.449, ISSN: 1476-9271
3. Synthesis and docking studies of pyrazine-thiazolidinone hybrid scaffold targeting dormant tuberculosis T.S. Chitre, **K.D. Asgaonkar**, P.B. Miniyar, A.B. Dharme, M.A. Arkile, A. Yeware, D. Sarkar, V.M. Khedkar, P.C. Jha. Bioorganic & Medicinal Chemistry Letters Volume 26, Issue 9, 1 May 2016, Pages 2224–2228. ISSN 0960-894X, Impact-2.4, Elsevier Publisher.
4. Synthesis and characterization of a novel mucoadhesives derivative of xyloglucan Ashwini R. Madgulkar\*, Mangesh R. Bhalekar, **K. D. Asgaonkar**, Amrita A. Dikpati. Carbohydrate

polymer 135, 1 January, (2016) 356-362. Impact factor 4.689, ISSN: 0144-8617, Elsevier publisher

**5.** Synthesis, docking and biological evaluation of pyrrole-2-carbohydrazide derivatives Shantkumar M. Biradar, Ganesh D. Mote\*, **K. D. Asgaonkar** and Trupti S. Chitre. Der Pharma Chemica, 2015, 7(2):153-159 ISSN 0975-413X CODEN (USA): PCHHAX

**6.** QSAR and Molecular docking studies of oxadiazole ligated Pyrrole derivatives as Enol ACP co Reductase Inhibitors. **K.D. Asgaonkar\***, Ganesh D.Mote, T.S.Chitre. Scientia Pharmaceutica 2014; 82: 71–85 <http://dx.doi.org/10.3797/scipharm.1310-05> ISSN 0036-8709 (Print)

**7.** 2D and 3D QSAR Studies of 1,4-Dihydropyridine Derivatives as Antitubercular Agents Sonali Deshmane<sup>1\*</sup>, **K. D Asgaonkar<sup>1</sup>**, Shital Patil<sup>1</sup>, Deepak Landge<sup>1</sup>, Trupti S Chitre<sup>1</sup>. Inventi Impact: Med Chem Vol. 2012, Issue 4 [E- ISSN 0976-7541, P- ISSN 2229-421X] 229-236.pg 229-236

**8.** 2D and 3D qsar study of 5[ aryl/cyclohexylsulfanyl] 2alkoxy4,diarylnicotinonitriles as antitubercular agents. Deepak K Landge, Trupti S Chitre, **K. D Asgaonkar\***, Sonali R Deshmane Inventi Impact: Med Chem Vol. 2012, Issue 4 [E- ISSN 0976-7541, P- ISSN 2229-421X] 221-228pg -221-228

**9.** Design, Synthesis, Docking and Anti-mycobacterial activity of some novel thiouracil derivatives as thymidine monophosphate kinase (TMPKmt) inhibitors. T. S. Chitre\*, K. G. Bothara, S. M. Patil, **K. D. Asgaonkar**, S. Nagappa and M. K. Kathiravan International Journal of Research in Pharmaceutical and Biomedical Sciences. ISSN: 2229-3701, Vol. 2 (2) Apr – Jun 2011, 616-623

**10.** 2D QSAR studies on 1, 3-disubstituted Uracil derivatives as potential anti-HIV agents. Trupti S. Chitre\*, **K. D. Asgaonkar**, Shital M. Patil, Hemant P. Mhaske, Rohan Bamane, M. K. Kathiravan . Journal of Pharmacy Research, June 2011, 4(6), 1836-1838, Research Article ISSN: 0974-6943

**11.** Synthesis and Antitubercular activity of some substituted pyrimidine derivatives. Trupti S. Chitre \* , Muthu K. Kathiravan , Aparna S. Chothe , Vijay K. Rakholiya , Rohan V. Bamane , **K. D. Asgaonkar** , Sheetal M. Patil , Kailash G. Bothara . Journal of Pharmacy Research, June, 2011, 4(6), 1882-1883, Research Article ISSN: 0974-6943.

**12.** Focus on Tamiflu - pharmacy online 2009 THE INTERNATIONAL JOURNAL OF PHARMACY - ISSN 1471-5252. **K D. Asgaonkar.**

## PRESENTATIONS:

As an Author: 06

As an Co-author: 19

### ❖ As an Author:

1. At 49<sup>th</sup> Indian Pharmaceutical Congress, Kerala-1997.
2. HSDS -2016, 3<sup>rd</sup> International conference held at Azam campus, pune 7<sup>th</sup> -9<sup>th</sup> January 2016. K.D Asgaonkar\*, T. S Chitre. Development of Quinoline scaffold through molecular modelling for antitubercular activity.
3. Exploring Benzylidene-pyrrole-2- Carbohydrazone Derivatives For Antitubercular Activity. K. D Asgaonkar\*, T.S Chitre and G.D Mote. Annual National Convention of Association of Pharmaceutical Teachers of India 28<sup>th</sup> - 30<sup>th</sup> Nov.2014,Pune
4. Design, synthesis, biological activity of some tetrahydroquinoline carbohydrazone derivatives as antidiabetic agents- K.D. Asgaonkar. Avishkar competition (University level) 23<sup>rd</sup> December 2011.
5. Design, synthesis, biological activity of some tetrahydroquinoline carbohydrazone derivatives as antidiabetic agents- K.D. Asgaonkar. Avishkar competition (Zonal level) 14<sup>th</sup> December 2011.
6. Development of some antitubercular agents. K. D. Asgaonkar. Innovation 2017, 18/11/2017, held at Smt Kashibai Navale college of Pharmacy, Kondhawa, Pune.

### ❖ As a co-author:

1. 3<sup>rd</sup> METRXPOLRE 2018 (UG research conference) held on 17<sup>th</sup> Feb 2018 at MET's Institute of Pharmacy, Nashik. Saurabh Jadhav, K. D Asgaonkar, S.M Patil. Appreciation prize
2. Synapse 2016, 14/10/2016. Held at AISSMSCOP, Use Of QSAR For Optimization of Thiazolidinone Pharmacophore For Anti -HIV Activity Monica Ramani, Ravina Shah, Rushikesh Sonaikar, K. D. Asgaonkar, S. M Patil
3. Synapse 2016, 14/10/2016. Held at AISSMSCOP, A Comparative Study Of Different QSAR Models For Pharmacophore Optimisation Of 1,3,4 Oxadiazole For Anti Tubercular Activity Sharvari Kshirsagar, Meghana Mokashi Vaibhav Ghegade, Nimishraj Panse, K. D. Asgaonkar
4. Development and Comparative Study Of Different 2D-Qsar Models For Pharmacophore Optimisation Of 1,3,4 Oxadiazole For anti Tubercular Activity S.M. Kshirsagar\*, M.Mokashi, K.D Asgoankar, Avishkar 15/10/2016. Held at Sinhgad Institute of Pharmacy, Narhe. Zonal level.
5. HSDS -2016, 3<sup>rd</sup> International conference held at Azam campus, pune 7<sup>th</sup> -9<sup>th</sup> January 2016. Dr. M R Bhalekar,\* Dr. A R Madgulkar, K.D Asgaonkar, Ashwini S Kadam. Demonstration of effect of thiol residues on mucoadhesion of xyloglucan thiomers through docking.
6. HSDS -2016, 3<sup>rd</sup> International conference held at Azam campus, Pune 7<sup>th</sup> -9<sup>th</sup> January 2016. Dr. M R Bhalekar, Dr. A R Madgulkar\*,K.D Asgaonkar, Mariam Gyce. Improvement of oral bioavailability of acyclovir using thiomeric nanoparticles of xyloglucan

7. Mr. Agha mohamad Zamin got second rank in poster presentation at international conference on Advances in Asian medicine symposium on ethnopharmacology - validation of traditional medicine , Organized by bharti vidya peeth deemed university - Poona college of Pharmacy, held on 4th January 2016. Title of poster; Exploration of different active constituents from natural products on different targets macromolecules for anticancer activity. Dr. S V Bhandari, Mrs. K D Asgaonkar
8. Exploration of different active constituents from natural products on different targets macromolecules for antitubercular activity using molecular docking studies. Mr. Baliram sarvade, Dr. S V Bhandari, Mrs. K D Asgaonkar poster presentation at international conference on Advances in Asian medicine symposium on ethnopharmacology - validation of traditional medicine , Organized by bharti vidya peeth deemed university - Poona college of Pharmacy, held on 4th January 2016
9. Development of QSAR Model for Pharmacophore Optimisation of Thiazolidinone Nucleus For Anti HIV Activity. Vidhi Shah\*, Krishna Wadekar, Kalyani D. Asgaonkar , Shital M. Patil. METRXplore , Nashik, MET college of pharmacy, 13<sup>th</sup> Januray 2016
10. Molecular hybridization approach against dormant mycobacterium tuberculosis. 67<sup>th</sup> Indian Pharmaceutical Congress , 19<sup>th</sup> -21<sup>st</sup> December 2015. Sachin\* K.D Asgaonkar, T. S Chitre
11. In house project with B.Pharm student-Development of Benzimidazole nucleus for anti HIV activity using QSAR studies. Vedika Bhat, Sayali Ethape, Shital Patil, Kalyani Asgaonkar, Trupti Chitre. Savitribai phule pune university, 17<sup>th</sup> October 2014, Avishkar
12. Development of Some Benzylidene pyrrole-2- Carbohydrazide Derivatives for Antitubercular Activity. 2<sup>nd</sup> International Conference on Herbal and Synthetic Drug Studies, (HSDS-2014) 11<sup>th</sup> February 2014 - Novel herbal and synthetic drugs, ISTR, Pune. Kalyani D Asgaonkar\*, Trupti S Chitre, Ganesh Mote.
13. Development of metallocenes: A modified approach towards resisiatnt tuberculosis. 2<sup>nd</sup> International Conference on Herbal and Synthetic Drug Studies, (HSDS-2014) 11<sup>th</sup> February 2014 - Novel herbal and synthetic drugs, ISTR, Pune. Kalyani D Asgaonkar, Trupti S Chitre\*, Asha Dharme
14. Design and Development of Potential Anticancer Agents Using Pharmacophore Optimization by Molecular Modeling Studies. Mitalee Patil, Shashikant Bhandari\*, Kumar Satyam, Kalyani Asgaonkar. National seminar on frontiers in cancer chemotherapy, sponsored by AICTE, Seth Raghunath Sable College of Phrmacy, Saswad, Pune. 26<sup>th</sup> and 27<sup>th</sup> July 2013.
15. QSAR Study of oxadiazole ligated Pyrrole derivatives as antitubercular agents Ganesh D. Mote, Dr. Trupti S. Chitre, Mrs. Kalyani D. Asgaonkar V life poster presentation 1<sup>st</sup> June 2013, Pune.
16. QSAR study of 5-[aryl/cyclohexylsulfanyl]-2-alkoxy-4, 6-diarylnicotinonitrile compounds. Deepak K. Landge, Mrs. Trupti S. Chitre, Mrs. Kalyani D. Asgaonkar. V life poster presentation 9<sup>th</sup> June 2012, Pune.
17. Design of new antitubercular agents using molecular modelling studies. Miss Sonali Deshmane, Mrs. T.S. Chitre, Mrs. Kalyani Asgaonkar. V life poster presentation 9<sup>th</sup> June 2012, Pune.
18. Structure optimization of selective cyclooxygenase -2 inhibitors as potential Anti inflammatory agents using molecular modeling studies (first prize). Shashikant Vasant Rao Bhandari, Chintamani Sopanrao Jadhav, Asha Popat Hole, Kalyani Asgaonkar, Deepali, Dattatray Bhandari. Young researcher's conference 13-14<sup>th</sup> 2011 January institute of chemical technology.

19. Structure optimization of neuraminidase inhibitors as potential anti-influenza agents using QSAR and molecular docking studies. Shashikant Bhandari, Poonam Inamdar, Asha Hole, Chintamani Jadhav, Kalyani Asgaonkar, Deepali Bhandari. Young researcher's conference 13-14<sup>th</sup> 2011 January institute of chemical technology.

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

1. At 49<sup>th</sup> Indian Pharmaceutical Congress, Kerala-1997.
2. HSDS -2016, 3<sup>rd</sup> International conference held at Azam campus, Pune 7<sup>th</sup> -9<sup>th</sup> January 2016.
3. Annual National Convention of Association of Pharmaceutical Teachers of India 28<sup>th</sup> - 30<sup>th</sup> Nov. 2014, Pune
4. Avishkar competition (University level) 23<sup>rd</sup> December 2011.
5. Avishkar competition (Zonal level) 14<sup>th</sup> December 2011.

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

1. Insights of Accreditation process for affiliated colleges, 6<sup>th</sup> and 7<sup>th</sup> Feb 2018 sponsored by Savitribai Phule Pune University at AISSMSCOP.
2. Insights on different Funding Agencies And Research Proposal Writing, 31<sup>st</sup> January 2017 sponsored by Savitribai Phule Pune University at AISSMSCOP.
3. Faculty development programme, one day, 6/12/2016 at AISSMSCOP.
4. Strategies for women empowerment. At Allana college of pharmacy, Pune, Organized by APTICON women's forum on 8<sup>th</sup> March 2016.
5. Role of Medicinal chemist and Phytochemist in drug discovery. 12<sup>th</sup> February 2016. At AISSMSCOP, sponsored by Savitribai Phule Pune University, State level.
6. Comprehensive product training, on 6<sup>th</sup> and 7<sup>th</sup> July 2015 by V- life MDS at AISSM'S College of Pharmacy, Kennedy Road, Pune
7. Qbd in formulation development. AISSMS College of Pharmacy, Pune. Two day state level seminar, sponsored by Savitribai Phule Pune University. 21<sup>st</sup> & 22<sup>nd</sup> January 2015.
8. Advanced drug design and development: A medicinal chemistry approach. Dr. D.Y Patil Institute of Pharmaceutical sciences and research, Pimpri, Pune, 27<sup>th</sup> -28<sup>th</sup> September 2013, AICTE sponsored two day, National level Seminar.
9. MDR/XDR tuberculosis: A health care menace to developing countries, 22<sup>nd</sup> - 24<sup>th</sup> March 2013. International seminar. Sinhgad Cop, Vadgaon, Pune./ univ. of Pune.
10. Workshop on syllabus framing/revision in pharm. chemistry for B.Pharm, M.pharm, 25<sup>th</sup> February 2013. Dr. D.Y patil College of pharmacy, Pimpri/Univ. of Pune.



11. Three day seminar on structural elucidation of organic compounds- 18<sup>th</sup>- 20<sup>th</sup> Jan 2011. Singhgad college of pharmacy, Vadgaon.
12. One day workshop on effective Implementation of curriculum, 10<sup>th</sup> October 2009, Smt. Kashibai Navale college of pharmacy, Pune.
13. Attended Faculty Development Program on 'New Drug Discovery' at AISSMS from 17<sup>th</sup> Nov to 29<sup>th</sup> Nov 2008.
14. Attended a work shop on molecular Modeling and structure based drug design on 23<sup>rd</sup> March 2007, Bombay College of pharmacy Kalina.
15. Training program in latest technique on HPTLC, 15<sup>th</sup> May 2004, Anchrom (I) Ltd, Mumbai.
16. National seminar on "Trends in Pharmaceutical sciences and pharmacy practice". 23-27<sup>th</sup> September, 2003. Saraswati Vidya Bhavans College of pharmacy, Dombivali.
17. One month industrial training in June 1995 at John Wyeth (I) Ltd, Mumbai.

**Mrs. Kalyani D. Asgaonkar**