



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. Kalyani D Asgaonkar

Designation : Assistant Professor

Qualifications : M. Pharm

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PROFESSIONAL EXPERIENCE:

1. Working as Assistant Professor, Department of Pharmaceutical Chemistry from September 2008 at AISSMS College of Pharmacy, Pune
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 May 1999 at NSS College of Pharmacy, Tardeo, Mumbai

TOTAL EXPERIENCE IN YEARS:

- ❖ Teaching: 19 yrs.

SUBJECTS TAUGHT: Pharmaceutical Organic Chemistry, Advanced Organic Chemistry, Research Methodology, Drug regulatory affairs.

AREAS OF INTEREST:

Design, synthesis and biological evaluation of anti tubercular agents.
Design, synthesis and biological evaluation of anti HIV agents
Design, synthesis and biological evaluation of anti cancer agents.

- ❖ Approved as PG guide by Savitribai Phule Pune University

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: 08
 - 1.Exploring immunoregulatory activity of some thiazolidinone derivatives using insilico tools. Kalyani D Asgaonkar, Mrs. Sheetal M Patil, Ms Bhairavi Bakhale, Ms Kshitija Abhang, Mr. Ayush Khater (S.Y B.pharm), 2019.
 - 2.Comparative docking studies of some synthesized compounds on various receptors. Kalyani D Asgaonkar, Mrs. Sheetal M Patil. Vaibhav Ghegade, Saurabh Jadhav (T.Y B.Pharm), Atharva Kulkarni , Sajid Sande (S.Y B.pharm), 2017
 - 3.Comparative docking studies on reverse transcriptase enzyme. Kalyani D Asgaonkar , Mrs. Sheetal M Patil. Aditi Kinikar, Mitali Katkar, Madhura Athavale, Chaitali Kharat (Final year B.pharm),Vaibhavi Bhoirekar (T.Y B.Pharm) , 2016
 - 4.Pharmacophore optimization for anti TB activity using 2D QSAR studies- Kalyani D Asgaonkar, Mrs. Sheetal M Patil, Sharvari Kshirsagar (Final year B.pharm), Meghana mokashi (T.Y B.Pharm), Vaibhav Ghegade, Nimishraj Panse (S.YB.Pharm), 2016
 - 5.Comparison of different 3 DQSAR methods for pharmacophore optimization of oxadiazole nucleus for anti TB activity. Kalyani D Asgaonkar, Mrs. Sheetal M Patil, Pratiksha Deodhar, Shruti Lohakare, Surekha Kadam, Sanjana Shah, Chaitali Shah (Second year B.Pharm), 2015
 - 6.Comparison of different 2 D QSAR methods for pharmacophore optimization of thiazolidinone nucleus for anti HIV activity. Kalyani D Asgaonkar, Mrs. Sheetal M Patil.–

Vidhi Shah, Ravina Shah, Monica Ramani (Third year B.Pharm), Rushikesh Sonaikar, Krishan Wadekar (S.Y B.Pharm), 2015

7.Development of 2-D QSAR of benzimidazole nucleus for Anti- HIV activity.- Kalyani D Asgaonkar , Mrs. Sheetal M Patil, Urvish M. Khandewal, Vedika S. Bhat, Chandni S. Dhule, Sharvari H. Mauskar (Third year B.Pharm), 2014

8.Development of 2-D QSAR for pyrimidine pharmacophore for anticancer activity.- Kalyani D Asgaonkar, Mrs. Sheetal M Patil , Neeraja Sathe, Abhilash Ghanwat, Radhika Kulkarni, Radhika Dawara (Final year B.Pharm), 2014

- ❖ No. of Funded Research Projects (University/Industry): 01
- ❖ Amount of Research Grant Received: Rs1,70000/- .Development of some antitubercular agents .Minor research project grant by SPPU (2016-2018)

INSTITUTIONAL AND ADMINISTRATIVE RESPONSIBILITIES:

- ❖ Working as committee member for NBA, Ph.D admission, Staff selection, Affiliation, National IPA IPC quiz, Class teacher.
- ❖ Worked as Co Coordinator and as R&D and interaction effort committee member for NBA.
- ❖ Worked as coordinator and Governance committee incharge for NAAC
- ❖ Worked as member of Library advisory committee.
- ❖ Worked as Coordinator for Vidyarthini Vyaktimahatav vikas Yojana activity
- ❖ Worked as Senior supervisor for University of Pune examination
- ❖ Worked as Controller of winter exams for diploma Pharmacy.
- ❖ Guiding B.Pharm students for Inhouse projects.
- ❖ Worked as Coordinator for T.Y projects
- ❖ Worked as Coordinator for University of Pune sponsored seminar on “Biological screening techniques and drug discovery”.2010

AWARDS/ACHIEVEMENT/MEDALS:

- ❖ **Winners in UG category at SYNAPSE 2018-** Oral presentation Research Competition held on 16/10/2018 at AISSMS COP. Dual Activity by comparative docking studies of pyrazine-thiazolidinone pharmacophore derivatives. K. D Asgaonkar, S.M.Patil, Vaibhav Ghegade, Saurabh Jadhav, Atharva Kulkarni, Sajid Sande.
- ❖ **Appreciation certificate** for presentation on “ Comparative docking studies on some synthesized compounds for Anti HIV activity” at 3rd METRXPOLRE 2018 (UG research conference) held on 17th Feb 2018 at MET's Institute of Pharmacy, Nashik. Saurabh Jadhav, K. D Asgaonkar, S.M Patil.
- ❖ **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.
- ❖ **Recipient of AICTE Scholarship** during M. Pharm. Course.
- ❖ Cleared GATE examination with 90 percentile

PUBLICATIONS:

- ❖ REVIEWS: 03
- ❖ NATIONAL RESEARCH PUBLICATIONS:03
- ❖ INTERNATIONAL RESEARCH PUBLICATIONS: 13
- ❖ H index – 5
- ❖ i10 Index - 2
- ❖ No of Citations - 68

REVIEW PUBLICATIONS

1. Molecular Docking in Formulation and Development, Tejinder Kaur, Ashwini Madgulkar, Mangesh Bhalekar, **Kalyani Asgaonkar**. Current Drug Discovery Technologies. Volume 16, Issue 1, 2019, 30-39, ISSN: 1875-6220 (Online), ISSN: 1570-1638 (Print), Bentham Publishers.

2. Trupti Sameer Chitre,*, **Kalyani Dhirendra Asgaonkar**¹, 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, Volume 16, number 28, November 2016, 3211-3223. Impact = 3.4, ISSN: 1873-5294 (Online) ISSN: 1568-0266 (Print), Bentham science publishers

3. Study of some reaction intermediates **Kalyani D. Asgaonkar**, Juilee. Kulkarni. 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 Dhirendra 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-0.425, 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-0.425 ISSN-0019-5464

INTERNATIONAL RESEARCH PUBLICATIONS

1. 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 Shaikat Sande, Atharva Sudhakar Kulkarni. Current Computer-Aided Drug Design, Volume 15, Issue 3, 2019. 252-258. Impact = 1.2, Bentham Publishers, ISSN (Print): 1573-4099, SJR-0.265, SNIP-0.346

2. 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
3. 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 1.5, SNIP -0.446, SJR-0.449, ISSN: 1476-9271
4. 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.
5. 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 6.089, ISSN: 0144-8617, Elsevier publisher
6. 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
7. 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)
8. 2D and 3D QSAR Studies of 1,4-Dihydropyridine Derivatives as Antitubercular Agents Sonali Deshmane1*, **K. D Asgaonkar1**, Shital Patil1, Deepak Landge1, Trupti S Chitre1. Inventi Impact: Med Chem Vol. 2012, Issue 4 [E- ISSN 0976-7541, P- ISSN 2229-421X] 229-236. pg 229-236
9. 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

10. 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

11. 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

12. 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.

13. 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: 20

❖ As an Author:

1. Oral presentation entitled Development of some antitubercular agents. K. D. Asgaonkar. **Innovation 2017**, held at Smt Kashibai Navale college of Pharmacy, Kondhawa, Pune on 18/11/2017

2. Poster presentation entitled Development of Quinoline scaffold through molecular modelling for antitubercular activity. K.D Asgaonkar*, T. S Chitre at 3rd International conference **HSDS 2016** held at Azam campus, Pune from 7th -9th January 2016..

3. Poster presentation entitled Exploring Benzylidene pyrrole-2- Carbohydrazide Derivatives for Antitubercular Activity. K. D Asgaonkar*, T.S Chitre and G.D Mote at **Annual National Convention of Association of Pharmaceutical Teachers of India** from, Pune 28th- 30th Nov. 2014.

4. Poster presentation entitled Design, synthesis, biological activity of some tetrahydroquinoline carbohydrazide derivatives as antidiabetic agents- K.D. Asgaonkar in **Avishkar competition** (University level) on 23rd December 2011.
5. Poster presentation entitled Design, synthesis, biological activity of some tetrahydroquinoline carbohydrazide derivatives as antidiabetic agents- K.D. Asgaonkar in **Avishkar competition** (Zonal level) on 14th December 2011.
6. Poster presentation at 49th **Indian Pharmaceutical Congress**, Kerala-1997.

❖ **As a co-author:**

1. Winners in UG category in Oral presentation entitled Dual Activity by comparative docking studies of pyrazine-thiazolidinone pharmacophore derivatives. K. D Asgaonkar, S.M.Patil, Vaibhav Ghegade, A Saurabh Jadhav, Atharva Kulkarni, Sajid Sande in Research presentation Competition **SYNAPSE 2018 held at AISSMS COP** on 16/10/2018.
2. Appreciation prize in poster and oral presentation entitled Comparative docking studies on some synthesized compounds for Anti HIV activity at MET's Institute of Pharmacy, Nashik. Saurabh Jadhav, K. D Asgaonkar, S.M Patil in **3rd METRXPOLRE 2018** (UG research conference) held on 17th Feb 2018
3. Poster presentation entitled Use of QSAR for Optimization of Thiazolidinone Pharmacophore for Anti -HIV activity. Monica Ramani, Ravina Shah, Rushikesh Sonaikar, K. D. Asgaonkar, S. M Patil in **Synapse 2016** at AISSMSCOP on 14/10/2016.
4. Poster presentation entitled 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 in **Synapse 2016** at AISSMSCOP on 14/10/2016.
5. Poster presentation entitled Development and Comparative Study Of Different 2D-Qsar Models for Pharmacophore Optimization Of 1,3,4 Oxadiazole for anti Tubercular Activity S.M. Kshirsagar*, M.Mokashi, K.D Asgaonkar in **Avishkar** (Zonal level) held at Sinhgad Institute of Pharmacy, Narhe on 15/10/2016.
6. Poster presentation entitled Demonstration of effect of thiol residues on mucoadhesion of xyloglucan thiomers through docking. Dr. M R Bhalekar,* Dr. A R Madgulkar, K.D

Asgaonkar, Ashwini S Kadam at 3rd International conference **HSDS -2016**, held at Azam campus, Pune from 7th -9th January 2016.

7. Poster presentation entitled Improvement of oral bioavailability of acyclovir using thiomeric nanoparticles of xyloglucan. Dr. M R Bhalekar, Dr. A R Madgulkar*, K.D Asgaonkar, Mariam Gyce at 3rd International conference **HSDS -2016** held at Azam campus, Pune from 7th -9th January 2016.
8. Poster presentation entitled (second rank) Exploration of different active constituents from natural products on different targets macromolecules for anticancer activity. Dr. S V Bhandari, Mrs. K D Asgaonkar Mr. Agha mohamad Zamin 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 on 4th January 2016.
9. Poster presentation entitled 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 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 on 4th January 2016.
10. Poster presentation entitled Development of QSAR Model for Pharmacophore Optimisation of Thiazolidinone Nucleus for Anti HIV Activity. Vidhi Shah*, Krishna Wadekar, Kalyani D. Asgaonkar, Shital M. Patil. at **METRXplore** at MET college of pharmacy, Nashik on 13th Januray 2016.
11. Poster presentation entitled Molecular hybridization approach against dormant mycobacterium tuberculosis. Sachin*, K.D Asgaonkar, T. S Chitre at **67th Indian Pharmaceutical Congress** from 19th -21st December 2015.
12. Poster presentation entitled Development of Benzimidazole nucleus for anti HIV activity using QSAR studies. Vedika Bhat, Sayali Ethape, Shital Patil, Kalyani Asgaonkar, Trupti Chitre in **Avishkar competiton** on 17th October 2014,
13. Poster presentation entitled Development of Some Benzylidene pyrrole-2- Carbohydrazide Derivatives for Antitubercular Activity. Kalyani D Asgaonkar*, Trupti S Chitre, Ganesh Mote

in 2nd International Conference on Herbal and Synthetic Drug Studies, Novel herbal and synthetic drugs (**HSDS-2014**) at ISTR, Pune on 11th February 2014

14. Poster presentation entitled Development of metallocenes: A modified approach towards resistance tuberculosis. Kalyani D Asgaonkar, Trupti S Chitre*, Asha Dharmat at 2nd International Conference on Herbal and Synthetic Drug Studies, (**HSDS-2014**) at ISTR, Pune on 11th February 2014

15. Poster presentation entitled Design and Development of Potential Anticancer Agents Using Pharmacophore Optimization by Molecular Modeling Studies. Mitalee Patil, Shashikant Bhandari*, Kumar Satyam, Kalyani Asgaonkar in National seminar on **frontiers in cancer chemotherapy**, sponsored by AICTE at Seth Raghunath Sable College of Pharmacy, Saswad, Pune on 26th and 27th July 2013.

16. Poster presentation entitled QSAR Study of oxadiazole ligated Pyrrole derivatives as antitubercular agents Ganesh D. Mote, Dr.Trupti S. Chitre, Mrs. Kalyani D. Asgaonkar at **V life poster presentation** competition at Pune on 1st June 2013.

17. Poster presentation entitled QSAR study of 5-[aryl/cyclohexylsulfanyl]-2-alkoxy-4, 6-diarylnicotinonitrile compounds. Deepak K. Landge, Mrs. Trupti S. Chitre, Mrs. Kalyani D. Asgaonkar at **V life poster presentation** competition at Pune on 9th June 2012.

18. Poster presentation entitled Design of new antitubercular agents using molecular modelling studies. Miss Sonali Deshmane, Mrs.T.S.Chitre, Mrs.Kalyani Asgaonkar at **V life poster presentation** competition at Pune on 9th June 2012.

19. Poster presentation entitled 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 at **Young researcher's conference**, Institute of chemical technology on 13-14th January 2011.

20. Poster presentation entitled 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**, Institute of chemical technology 13-14th January 2011.

CONFERENCES/ SYMPOSIUMS/CONVENTIONS ATTENDED:

1. Participated in 49th Indian Pharmaceutical Congress at Kerala-1997.
2. Attended Annual National Convention of Association of Pharmaceutical Teachers of India 28th- 30th Nov.2014, Pune

WORKSHOPS / SEMINARS/REFRESHER COURSE ATTENDED:

1. Completed Five day Faculty development programme on **National Board of Accreditation** , organized by AISSMS IOIT and conducted by NITTTR ,Kolkata from 22/4/2019- 26/4/2019
2. Attended two day sponsored by Savitribai Phule Pune University state level seminar on **Insights of Accreditation process for affiliated colleges** at AISSMSCOP on 6th and 7th Feb 2018
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 31st January 2016.
4. Attended one day **Faculty development programme**, 6/12/2016 at AISSMSCOP.
5. Attended one day seminar on **Strategies for women empowerment** at Allana college of pharmacy, Pune, Organized by APTICON women’s forum on 8th March 2016.
6. Attended Savitribai Phule Pune University sponsored one day State level seminar on **Role of Medicinal chemist and Phytochemist in drug discovery** at AISSMS College of Pharmacy, Pune on 12th February 2016.
7. Attended two day **Comprehensive product training**, by V- life MDS at AISSMS COP, Pune, on 6th and 7th July 2015.
8. Attended Savitribai Phule Pune University sponsored two day state level seminar **Qbd in formulation development** at AISSMS College of Pharmacy, Pune on 21st & 22nd January 2015.
9. Attended two day AICTE sponsored National level Seminar on **Advanced drug design and development: A medicinal chemistry approach** at Dr. D.Y Patil Institute of Pharmaceutical sciences and research, Pimpri, Pune from 27th -28th September 2013.
10. Attended Savitribai Phule Pune University sponsored two day International seminar on **MDR/XDR tuberculosis: A health care menace to developing countries** at Sinhgad COP, Vadgaon ,Pune on 22nd- 24th March 2013.
11. Participated in Savitribai Phule Pune University sponsored one day **Workshop on syllabus**

framing/revision in pharm.chemistry for B.Pharm,M.pharm at Padmshree Dr. D.Y Patil Institute of Pharmacy, Pimpri, Pune on 25th February 2013.

12. Attended a three day seminar on **structural elucidation of organic compounds** at Singhgad college of pharmacy, Vadgaon from 18th- 20th Jan 2011.

13. Attended One day workshop on **effective Implementation of curriculum** at Smt.Kashibai Navale college of Pharmacy, Pune on 10th October 2009.

14. Attended Faculty Development Program on ‘**New Drug Discovery**’ at AISSMS from 17th Nov to 29th Nov 2008.

15. Attended a work shop on **molecular Modeling and structure based drug design** on 23rd March 2007, Bombay College of pharmacy Kalina.

16. Attended a Training program in **latest technique on HPTLC** on 15th May 2004 at Anchrome (I) Ltd, Mumbai.

17. Attended a National seminar on “**Trends in Pharmaceutical sciences and pharmacy practice**” at Saraswati Vidya Bhavans College of pharmacy, Dombivali from 23-27th September, 2003.

18. Attended one month **industrial training** in June 1995 at John Wyeth (I) Ltd, Mumbai.