



Mula Education Society's
College of Pharmacy, Sonai
A/P-SONAI, TAL- NEWASA, AHMEDNAGAR - 414 105 (MH) INDIA



I PERMANANTLY AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY. UNIVERSITY ID NO. - PU / AN / PHARM /80/2004 I

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Dr. POPAT B MOHITE

**PROFESSOR & HEAD,
DEPARTMENT OF PHARMACEUTICAL CHEMISTRY**

E-mail: mohitepb@gmail.com

Mobile: 9890520854

Qualification: M. Pharm, PhD

PROFESSIONAL EXPERIENCE:

1. Working as Professor and Head in Department of Pharmaceutical Chemistry from August 2019 to till date in MES's College of Pharmacy, Sonai.
2. Working as Associate Professor and Head in Department of Pharmaceutical Chemistry from December 2013 to July 2019 in MES's College of Pharmacy, Sonai.
3. Working as Assistant Professor in Department of Pharmaceutical Chemistry from June 2007 to November 2013 in MES's College of Pharmacy, Sonai.

TOTAL EXPERIENCE IN YEARS:

Teaching: 14

Research: 07

Ph.D. STUDENTS GUIDED: NIL

- Approved as Ph.D guide by Savitribai Phule Pune University, Pune in 2019.

M. PHARM. STUDENTS GUIDED: 22

- Approved as PG guide in Pharmaceutical Chemistry by Savitribai Phule Pune University, Pune

INSTITUTIONAL AND ADMINISTRATIVE RESPONSIBILITIES:

- Member Governing Body.
- Member College Development Committee
- Head, Department of Pharmaceutical Chemistry
- IQAC coordinator
- ISO coordinator.
- NBA coordinator
- PCI Correspondence



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CORE COMPETENCY AREAS:

- Synthetic Chemistry.
- Analytical Chemistry.
- Method development and validation
- Self Microemulsifying Drug Delivery System (SMEDDS)
- Solubility, Dissolution and Bioavailability Enhancement.
- Co-amorphous formulations
- *In vitro* Biological evaluation

PUBLICATIONS:

1. Derivative Spectrophotometric Estimation of Nevirapine in Bulk Drug and Pharmaceutical Dosage Forms; Jawade S.K.,Khanage S. G., **Mohite P. B.**, Deshmukh V. K., International Journal of Current Research and Review; Vol.2,Issue-1,Jan-Feb-2010;17.
2. A novel approach for synthesis of substituted Tetrazoles ,**P. B. Mohite**, R. B.Pandhare, S. G. Khanage, V. H. Bhaskar,Digest Journal of Nanomaterials and Biostructures vol. 4, no. 4, December 2009, p. 803 – 807.
3. 'Anthelmintic activity of leaves of *Butea frondosa* Linn. Ramdas B Pandhare, **Popat B Mohite**, Shantaram G Khanage, B.Sangameswaran, Journal of Pharmacy Research, 2009,2(3):421-423.
4. Evaluation of anticonvulsant activity of *Aegle marmelos* Corr. leaves and fruit extract against MES and Pentylenetetrazole induced convulsion.' Ramdas B Pandhare, **Popat B Mohite**, Shantaram G Khanage, B.Sangameswaran. Journal of Pharmacy research, 2009, 2(12): 1852-1854.
5. Effect of aqueous and ethanol extracts of *Benincasa cerifera* on diuresis and urinary electrolytes excretion in rats.; Ramdas B. Pandhare, **Popat B. Mohite**, Shantaram G. Khanage, Santosh N.Belhekar, B.Sangameswaran, V.K.Deshmukh Drug Invention Today, 2010,2 (6): 308.
6. Aqueous extracts of the leaves of *Sesbania sesban* reduces development of diabetic nephropathy in streptozotocin induced diabetic rat. Ramdas B. Pandhare, B. Sangameswaran, **Popat B. Mohite**, Shantaram G.Khanage Bangladesh J Pharmacol 2010; 5: 103-106.
7. Synthesis, Characterization and Study of In Vitro Antimicrobial Activity of Some Substituted N'-[Arylidene]-2-(5-Phenyl-1HTetrazol-1-yl) Acetohydrazide ,**Popat B. Mohite**, Vaidhun H. Bhaskar, Iranian Journal of Pharmaceutical Sciences,Summer, 2010: 6(3): 179-184.



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8. Derivative Spectrophotometric Estimation of Minocycline Hydrochloride in Bulk and Pharmaceutical Dosage Forms, **Popat B. Mohite**, Ramdas B. Pandhare, Shantaram G. Khanage, Vaidhun H. Bhaskar, International Journal of PharmTech Research, Jan-Mar 2010, Vol.2, No.1, pp 177-180.
9. Aqueous extracts of the leaves of *Sesbania sesban* reduces development of diabetic nephropathy in streptozotocin induced diabetic rat, Ramdas B. Pandhare, B. Sangameswaran, **Popat B. Mohite** and Shantaram G. Khanage, Bangladesh J Pharmacol 2010; 5: 103-106.
10. Synthesis and in vitro antimicrobial activity of some novel chalcones containing 5-phenyl tetrazole, **Popat B. Mohite**, Ramdas B. Pandhare, Shantaram G. Khanage, Vaidhun H. Bhaskar, Acta Pharmaceutica Scientia, (2010), 52: 505-510.
11. Synthesis analgesic, anti-inflammatory and antimicrobial activities of some 1-[5-(substituted phenyl)-4,5-dihydro-1H-pyrazol-3-yl]-5-phenyl-1H-tetrazole, V. H. Bhaskar, **P. B. Mohite**, Journal of Optoelectronics and Biomedical Materials Vol.2 Issue 4, October-December 2010, p. 291 – 299.
12. Synthesis, Characterization And Evaluation Of Anticancer Activity Of Some Tetrazole Derivatives, V. H. Bhaskar, **P. B. Mohite**, Journal of Optoelectronics and Biomedical Materials Vol.2 Issue 4, October-December 2010, p. 249 – 259.
13. Design, Synthesis, Characterization And Biological Evaluation Of Some Novel 1, 5 Disubstituted Tetrazole As Potential Anti-Inflammatory Agents, V. H. Bhaskar, **P. B. Mohite**, Journal of Optoelectronics and Biomedical Materials Vol.2 Issue 4, October-December 2010, p. 231 – 237.
14. Synthesis and biological activities of some 3-chloro-4-(substituted phenyl)-1-[[2-oxo-2-(5-phenyl-1H-tetrazol-1-yl) ethyl] amino] azetidin-2-one as potential antibacterial agents, **P. B. Mohite** and V. H. Bhaskar, Orbital-The Electronic Journal of Chemistry, vol.2, No.4, Oct-Dec. 2010, p. 347-355.
15. Simultaneous Estimation of Ramipril and Telmisartan in Tablet Dosage Form by Spectrophotometry, **Popat B. Mohite**, Ramdas B. Pandhare, Vaidhun H. Bhaskar, Eurasian J. Anal. Chem. 5(1): 89-94, 2010.
16. Acute and sub acute oral toxicity assessment of aqueous leaves extract of *Sesbania sesban* (L) Merr. in rats, Pandhare R. B., Sangameswaran B, **Mohite P.B.**, Khanage S.G. Res Pharmaceutica, 2011, 2(4): 33-39.
17. Attenuating effect of *Sesbania sesban* (L) Merr. extract on neuropathic pain in streptozotocin-induced diabetic rats: an evidence of neuroprotective effects. Ramdas B. Pandhare, B. Sangameswaran, **Popat B. Mohite**, Shantaram G. Khanage.



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- Phytopharmacology, 2012, 2(2):1-12.
18. Attenuating effect of seeds of *Adenantha pavonina*L. aqueous extract in neuropathic pain in streptozotocin-induced diabetic rats: an evidence of neuroprotective effects. Ramdas B. Pandhare, B. Sangameswaran, **Popat B. Mohite**, Shantaram G. Khanage Rev. Bras. Farmacogn, 2012,,22,(2): 428-435.
 19. Antidiabetic Activity of Aqueous Leaves Extract of *Sesbania sesban* (L) Merr.in Streptozotocin Induced Diabetic Rats,Ramdas B. Pandhare , B. Sangameswaran , **Popat B. Mohite** , Shantaram G. Khanage, Avicenna Journal of Medical Biotechnology, Vol. 3, No. 1, January-March 2011,p.37-43.
 20. Synthesis, Characterization and Study of In Vitro AntimicrobialActivity of Some Substituted N'-[Arylidene]-2-(5-Phenyl-1HTetrazol-1-yl) Acetohydrazide,**Popat B. Mohite**, Vaidhun H. Bhaskar, Iranian Journal of Pharmaceutical Sciences,Summer 2010: 6(3): 179-184.
 21. Synthesis ,anticancer and antibacterial activity of some novel 1,2,4-triazole derivatives containing pyrazole and tetrazole rings, **Popat B. Mohite**,Shantaram G.Khanage,S.Appalaraju, Asian Journal of Research in Chemistry,4(4),april-2011,567-573.
 22. Shantaram Khanage, **Popat Mohite**, Ramdas Pandhare, Appala Raju, "Synthesis and pharmacological evaluation of isoxazole derivatives containing 1,2,4-triazole Moiety", *Marmara Pharmaceutical Journal*, 2012, 16, 134-140.
 23. Shantaram Gajanan Khanage, S. Appala Raju, **Popat Baban Mohite**, Ramdas Bhanudas Pandhare, "Synthesis and Pharmacological Evaluation of Some New Pyrimidine Derivatives containing 1,2,4-triazole" *Advanced Pharmaceutical Bulletin*, 2012, 2(2), 213-222.
 24. Shantaram G. Khanage, **Popat B. Mohite**, Ramdas B. Pandhare, S. Appala Raju, "Analgesic activity of Some 1,2,4-triazole Heterocycles clubbed with pyrazole, tetrazole, isoxazole and pyrimidin", *Advanced Pharmaceutical Bulletin*, 2013, 3(1), 13-18.
 25. Shantaram G. Khanage, **Popat B. Mohite**, Ramdas B. Pandhare, S. Appala Raju, "Investigation of pyrazole and tetrazole derivatives containing 3,5 disubstituted-4H-1,2,4-triazole as a potential antitubercular and antifungal agent", *Biointerface Research in Applied Chemistry*, 2013, 2 (2), 277-283.
 26. Shantaram Gajanan Khanage, **Popat Baban Mohite**, Sandeep Jadhav, "Development and Validation of UV-Visible Spectrophotometric Method for Simultaneous Determination of Eperisone and Paracetamol in Solid Dosage Form", *Advanced*



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Pharmaceutical Bulletin, 2013, 3(2), 447-451.

27. Shantaraman G. Khanage, **Popat B. Mohite**, Ramadas B. Pandhare, Appala S. Raju, "Microwave Assisted Synthesis of 1-[5-(Substituted Aryl)-1H-Pyrazol-3-yl]-3,5-Diphenyl-1H-1,2,4-Triazole as Antinociceptive and Antimicrobial Agent", *Advanced Pharmaceutical Bulletin*, 2014, 4(2), 105-112.
28. **Popat Baban Mohite**; Shantaram Gajanan Khanage; Sandip Shankar Jadhav, Reversed Phase High Performance Liquid Chromatographic Method for Simultaneous Estimation of Eperisone Hydrochloride and Paracetamol in Tablet Dosage Form, Volume 2, Issue 1, Winter and Spring 2015, 57-62.
29. Khanage Shantaram Gajanan, Dharam Prachi Gangadhar, **Mohite Popat Baban**, Deshmukh Vinayak Kashinath, UV-Spectrophotometric Method for the Simultaneous Estimation of Carisoprodol, Paracetamol and Caffeine: Validation and Application for Marketed Tablet Analysis, *Iranian Journal of Analytical Chemistry*, Volume 2, Issue 2, September 2015 (120-126)
30. **Mohite P. B.** , Khanage S.G. , Pandhare R.B. Preparation and Characterization of Cefadroxil Monohydrate solid Dispersion by using hydrophilic carrier gaur Gum, *Carib J SciTech* 2016, Vol.4, 992-1002.
31. Shantaram G. Khanage , **Popat B. Mohite** , Sonali V. Toge , Vinayak K. Deshmukh Simultaneous determination of Amoxicillin trihydrate, Pantoprazole sodium and Clarithromycin in bulk powder and tablet formulation by an isocratic RP-HPLC method, *The Experiment*, 2017., Vol 39(3), 2330-2344.
32. **P.B. Mohite**, S.G. Khanage, G.B. Malwade Development and Evaluation of Cefadroxyl Monohydrate Solid Dispersion via Solvent Evaporation Method: Investigating Drug-Polymer Miscibility with Advanced Characterization; *Aalytical Chemistry Letters*, 7:1, 109-119.
33. Potential Pharmacological Activities of Tetrazoles in The New Millennium, Mohite P.B., Bhaskar V.H., *International Journal of PharmTech Research*, July-Sept 2011. Vol.3, No.3, pp 1557-1566.
34. Triazoles :A versatile therapeutic agent; Khanage S. G., **Mohite P. B.**, Pandhare R. B., Deshmukh V. K., S Appala Raju; Deshmukh V. K., *International Journal of Current Research and Review*; Vol.2, Issue-3, Mar-Apr-2010; 43-55.
35. Recent Advances In Microsponges Drug Delivery System; **Mohite P.B.** , Khanage S.G., Harishchandre V.S., Shirsath Yogita, *Journal of Critical Reviews*, Vol 3, Issue 1, 2016, 9-16.



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36. Self micro emulsifying drug delivery system(SMEDDS): An approach to enhance an oral bioavailability: **Popat B Mohite**, Vinayak Harishchandre, Carib J SciTech 2017, Vol.5, 01-10.
37. **Popat B. Mohite** and Sachin V. Sangle, Technology transfer in pharmaceutical industry- A Review, International Journal of Advances in Pharmaceutics 2017; 06(01): 01-07.

PRESENTATIONS/EXPERT TALKS:

1. Online lecture delivered on “Acids, Bases and buffers” to D. Pharmacy students of Yash Group’s Mula Education Society all D. Pharmacy Colleges, Sonai on 11 May 2020.
2. Delivered expert lecture on Overview on Antipsychotics drugs to B. Pharmacy students on 2nd May, 2020 at HSBPVT’s GOI College of Pharmacy, Kasthi, Shrigonda.
3. Resource person for Savitribi Phule Pune University sponsored state level seminar on “Recent developments on Nasal drug delivery system: An Updates” at Abasaheb Kakade College of B. Pharmacy, Bodhegaon on 9th February 2019. Delivered expert lecture on drugs acting on HPTLC for Third Year B. Pharmacy students on 24th March, 2018 in Pravara Rural College of Pharmacy, Loni.
4. Delivered expert lecture on Retrosynthesis to B. Pharmacy students on 12th Jan., 2018 at Dr. N. J. Paulbudhe College of Pharmacy, Ahmednagar.
5. Delivered expert lecture on drugs acting on Antihistaminic drugs for Final Year B. Pharmacy students at Dattakala College of Pharmacy, Bhigwan.
6. Delivered expert lecture on drugs acting on Antihistaminic drugs for Final Year B. Pharmacy students at Dattakala College of Pharmacy, Bhigwan on 19 & 20 March 2017.
7. Delivered a guest lecturer at Arts, Commerce and Science college, Sonai on Chemotherapeutic agents and Physicochemical Parameters on 27 March 2017.
8. Delivered expert lecture on drugs acting on Antidepressant drugs for Third Year B. Pharmacy students at Dattakala College of Pharmacy, Bhigwan.

BOOKS/ BOOKS CHAPTERS:

- Dr. Popat B. Mohite, Formulation and evaluation of Medoxomil dry emulsion, Lambert Academic Publishing, ISBN-978-330-33162-4.
- Popat Mohite, Vinayak Harishchandre, Formulation of self microemulsifying system, Lambert Academic Publishing, ISBN-978-620-2-05836-0.



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SEMINARS / WORKSHOPS / CONFERENCES ATTENDED/ FACULTY DEVELOPMENT PROGRAMMES:

1. Attended MSBTE, Mumbai approved Four Week National Level Online FDP on “ Tools for Online Teaching Learning Process” from 20th April to 17th May ,2020 organized by Department of Pharmacy, Government Polytechnic, Jalgaon, Maharashtra.
2. Attended five days e-FDP organized by Dr. D Y Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune in association of APTI on Building Research and Innovative culture among Pharmacy Teachers from 18/5/20 to 22/5/20.
3. Attended five days e-FDP organized by B R Nahata College of Pharmacy, Mandsur, MP and Madhya Pradesh Council of Science and Technology, Bhopal, MP on COVID 19 Outbreak: Challenges and Opportunities in Higher Education during 1/6/20 to 5/6/20.
4. Attended one week e-FDP organized by Smt. KashibaiNawale College of Engineering, Pune in association with Spoken Tutorial, IIT, Bombay on Moodle: Learning Management System from 13/5/20 to 17/5/20.
5. Attended “Faculty Development Programme” at Mula Education Society, Sonai on 22nd and 23rd August 2018.
6. Attended SPPU, Pune University BCUD sponsored one day university level workshop on insights into innovative , teaching , learning and evaluation practice- A NAAC perspective on 27th January, 2019 held at Dr.DYP Institute of Pharmaceutical Sciences & Research, Pimpri, Pune.
7. Presented a Poster at 59th Indian Pharmaceutical Congress 2007, Varanasi. On “A Novel Spectrophotometric Method for Simultaneous Estimation of Ramipril and Telmisartan in Tablet Dosage Form” Abstract No. F 12.
8. Presented a Poster at 59th Indian Pharmaceutical Congress 2007, Varanasi. On “Evaluation of Anthelmintic Activity of Leaves of Butea Frondosa Linn” Abstract No. D 171.
9. A novel spectrophotometric method for Simultaneous estimation of Ofloxacin and Metronidazole in Pharmaceutical dosage forms at 1st National level FDDPR conference organized by Bharti Vidyapeeth ,Kolhapur-2006 (abstract no.05)
10. Formulation and evaluation of floating drug delivery of an antibiotic 1st National level FDDPR conference organized by Bharti Vidyapeeth ,Kolhapur-2006 (abstract no.03)
11. Formulation and evaluation of sustained release matrix tablet for the eradication of H.Pylori 1st National level FDDPR conference organized by Bharti Vidyapeeth, Kolhapur-2006 (abstract no.05)



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12. Formulation and evaluation of matrix tablet for colon specific delivery for inflammatory bowel disease^{1st} National level FDDPR conference organized by Bharti Vidyapeeth ,Kolhapur-2006 (abstract no.06)
13. Formulation and evaluation of matrix tablets of Nitredipine using various polymers ^{1st} National level FDDPR conference organized by Bharti Vidyapeeth ,Kolhapur-2006 (abstract no.16)
14. Presented a Poster at 59th Indian Pharmaceutical Congress 2008,Delhi. on “Effect of aegle marmelos corr. leaves and fruit extract on spontaneous locomotor activity and pentobarbital induced sleeping time in mice” Abstract No. PT-142.
15. Presented a Poster at 59th Indian Pharmaceutical Congress 2008,Delhi. Derivative Spectrophotometric Estimation of Azathioprine in Bulk Drug and Pharmaceutical Dosage Forms, Abstract No. PA-22.

SPONSORED RESEARCH PROJECTS/GRANTS:

1. Received a Research grant (Rs. 1 lak) from University of Pune for research on “Tetrazole as possible anticancer agents” (2011-2013)
2. Received a Research grant (Rs. 1.8 laks) from University of Pune for research on “Comparative study on Ultrasound assisted, microwave assisted and Conventional method of Synthesis and evaluation of anti-inflammatory activity” (2016-2019).

EDITORIAL BOARD MEMBER AND REVIWER:

- Working as editorial board member of Insight Pharmaceutical sciences Journal, USA.
- Working as editorial board member of Insight Biomedical sciences Journal, USA.
- Working as reviewer for Eurasian Journal of Analytical Chemistry.
- Working as reviewer for Bentham Publications Journal

PROFESSIONAL TRAINING:

1. Attended two days training for Auditing of Quality Management System as per ISO-9001-2015 on 5th & 6th Dec, 2016 at M.E.S.'s College of Pharmacy, Sonai.
2. Attended Mula Education Society, Sonai sponsored Two days Faculty Development program on 22nd – 23rd August 2018 held at Mula Education Society, Sonai,



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CONSULTANCY AND TRAINING ACTIVITIES:

- Provides training and consultancy services in HPLC method development and validation.
- FT-IR analysis of organic compounds, Herbal formulations
- Microwave assisted synthesis

AWARDS:

- Received " Best Young Faculty Award" from NRA academy, Pondicherry for academic year 2019-20
- Received "Best Young Researcher" awards from VD GOOD Technology academy, Chennai for academic year 2019-20

PROFESSIONAL AFFILIATIONS:

- APTI Life Member : MA/LM/925
- Registered Pharmacist with Maharashtra State Pharmacy Council (Reg.No. 97576).