



All India Shri Shivaji Memorial Society's

College of Pharmacy, Kennedy Rd, Pune-411001.

Establishment 1996; Affiliated to Savitribai Phule Pune University,

Approved by AICTE & Recognized by PCI

Accredited by NBA (B. Pharm Course) 2F/12B Recognition by UGC

Mail: contact@aissmscop.com **Website:** www.aissmscop.com



Name: Dr. Sachinkumar Vinayak Tembhurne

Designation: Assistant Professor

Qualifications: M. Pharm, Ph.D.

Contact No: 8 9 7 5 7 5 7 3 8 7

Email-Id: sachin_tembhurne@aissmscop.com/stembhurne@gmail.com



PROFESSIONAL EXPERIENCE:

1. Working as Assistant Professor in department of Pharmacology at All India Shri Shivaji Memorial Society, College of Pharmacy, Pune. (Since 4 August 2015 to till date).
2. 23 Jun 2007 to 25 April 2015- Worked as Assistant Professor and Head, Postgraduate Department of Pharmacology at Sudhakar Naik Institute of Pharmacy, Pusad. Dist: Yavatmal.
3. 01 Sept. 2006 to 31 May 2007 –worked as Lecturer at H.R. Patel Women's College of Pharmacy, Shirpur Dist-Dhule
4. 13 Oct. 2005 to 31 Aug. 2006- worked as Lecturer at Bajiraoji Karenjekar College of Pharmacy, Sakoli. Dist- Bhandara

TOTAL EXPERIENCE IN YEARS:

- ❖ Teaching: 11 yrs.
- ❖ Research: 10 Yrs
- ❖ Industry: --

AREAS OF INTEREST AND EXPERTISE:

Drug discovery research with contribution to the critical areas of Pharmacological Screening of synthetic and natural compounds for Metabolic, Osteoporosis, Reproductive disorders; Inflammatory disorders; Gastrointestinal disorders; Pharmacokinetic and Bio-distribution studies, Neurological disorders; Oxidative stress; Toxicological testing and Cosmeceutical testing.

Toxicity studies of polymers and drugs by intratracheal instillation, transportation of drug from intranasal to brain targeted and assessment of permeability of drug from mucosal barrier.

M. PHARM STUDENTS GUIDED: 08

BOOKS AUTHORED: 06

1. Classification and Questionnaires in Pharmacology. Pragati Book Pvt. Ltd. Pune, 2010. (PP-135) ISBN 938072566-3. Second Edition by Nirali Prakashan Pune in Jan 2016
2. Text Book of Principles and Fundamentals in Pharmacology Vol.-I Nirali Prakashan Pune. Published in 2011 (N1624) ISBN-938-93-81595-72-5.
3. Text Book of Principles and Fundamentals in Pharmacology Vol.-II Nirali Prakashan, Pune Published in 2012 (N-1625) ISBN-978-93-81595-75-6.
4. Pharmacology-III for B.Pharm Semester-VI Savitribai Phule Pune University, Pune. Published by Nirali Prakashan, Pune. Published in Jan 2016; (N1701) ISBN 935164655-6
5. Pharmacology-II for B.Pharm Semester-V Savitribai Phule Pune University, Pune. Nirali Prakashan, Pune. Published in 2016. ISBN 978-93-86084-82-8.
6. Pharmacology-V for B.Pharm Semester-VIII Savitribai Phule Pune University, Pune. Nirali Prakashan, Pune. Published in Feb 2017. ISBN 978-93-86353-51-1

PROFESSIONAL AFFILIATIONS:

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

PROJECTS HANDLED/GRANTS RECEIVED:

Worked on 4 Major Industry Sponsored Projects at Bombay College of Pharmacy, Mumbai (2003-2005)

- ❖ Sub-chronic Oral Toxicity study (90 days) of Herbal formulation sponsored by Gencor Pacific Ltd, Hongkong.
- ❖ Preclinical Pharmacokinetic Study of Iron Formulation sponsored by Nicholas Piramal India Ltd. Mumbai.
- ❖ Ulcerogenicity study of Iron formulation sponsored by Nicholas Piramal India Ltd, Mumbai.
- ❖ Acute Toxicity study of Ayurvedic formulations sponsored by Ayurchem Pharma Ltd, Mumbai.

MEMBER OF EDITORIAL BOARD:

- ❖ Member of Editorial and Reviewer Board: International Journal of Pharmaceutical Sciences since 2015

INSTITUTIONAL AND ADMINISTRATIVE RESPONSIBILITIES:

- ❖ Working as Academic Research Co-ordinator for Savitribai Phule Pune University
- ❖ Working as Staff Editor for APGA Bulletin
- ❖ Working as Coordinator for N.S.S
- ❖ Working as Coordinator for Gender Champion committee
- ❖ Working as Biological scientist at Institutional Animal Ethical Committee
- ❖ Regular Paper Setter and valuer of Undergraduate and Postgraduate Examination (Pharmacology) in Faculty of Pharmaceutical Sciences at S.G.B. Amravati University Amravati. (2007 to 2015)
- ❖ Member of Subject Examination committee for Postgraduate Examination (Pharmacology) in faculty of Pharmaceutical Sciences at S.G.B. Amravati University Amravati. (2007 to 2015)
- ❖ Member of Subject Examination Committee in the subject of Pharmaceutical Sciences for Undergraduate examinations of S.G.B. Amravati University Amravati (2007 to 2015)
- ❖ Member of Local Inquiry Committee for the inspection of pharmacy colleges affiliated to S.G.B. Amravati University Amravati. (2014-15)

Worked as a Member secretary of Institutional Animal Ethical Committee of Sudhakar Naik Institute of Pharmacy, Pusad (2008 to 2015)

PUBLICATIONS:

- ❖ REVIEWS: 06
- ❖ RESEARCH PUBLICATIONS: 41
- ❖ H index - 10
- ❖ i10 Index - 12
- ❖ No of Citations - 270

REVIEW PUBLICATIONS

1. Sarika S. Jadhav, Varsha B. Khillari, and **Sachin V. Tembhurne** .A comprehensive review on plant extract as an herbal indicator in tritremetric analysis. International Journal OfPharmacognosy. 2017; Vol. 4(2): 54-59.
2. **Tembhurne S.V** and Sakarkar D.M. A Review on Therapeutic Potential of *Nigella Sativa* (Kalonji) Seeds. Journal of Medicinal Plant Research. 2014, 8(3), 167-177
3. Girish M. Surve, **Sachin V. Tembhurne**, Ketan S. Gode, Mayur H. Pawar. Globalization and Emerging Trends of Clinical Trials in India. Indo American Journal of Pharmaceutical Research. .2013:3(4). 3129-3146

4. More BH, Sakharwade SN, **Tembhurne SV**, Sakarkar DM. Ethnobotany and Ethnopharmacology of *Butea monosperma* (Lam) Kuntze- A Compressive Review. *American Journal of Pharm Tech Research*. 2012, 2(5), 138-159.
5. **Tembhurne S.V**, Sakarkar D.M. Approach to the Diagnosis and Treatment of Anemia. *International Journal of Current Research and Review*. 2010, 2(1), 39-58.
6. **Tembhurne S.V**, Sakarkar D.M. Need of creativity, training/orientation and quality of educational leaders/teachers for developing technical institutions of excellence. *Ind. J. Tech. Edu*. 2008, 31(2), 91-96.

NATIONAL AND INTERNATIONAL RESEARCH PUBLICATIONS

1. K. Salunkhe, V. Sonwane, A Pakhare, R. Somani, **S. Tembhurne** and S. Kolhe "Estimation of anti-lipidemic activity of *butea monosperma* by using dexamethasone as an inducer in wistar rats". *World Journal of Pharmaceutical Research*. Vol 6, Issue 06, 2017. 699.
2. **Tembhurne S.V** More BH and Sakarkar D.M. 28 Days Repeated Dose Toxicity Study of Ethanolic Extract of *Murrayakoenigii* (L) in Rats. *Annals of Pharmacology and Pharmaceutics*. 2017 | Volume 2 | Issue 8 | Article 10471
3. **Tembhurne S.V**, More BH and Sakarkar D.M. Protective Effect of *Murrayakoenigii* (Linn.) Leaves Extract on Glucose Dysregulation and its Progression of Depression in Streptozotocin Induced Diabetic Rat. *International Journal of Ayurveda Res. Annals of Pharmacology and Pharmaceutics*. 2017 | Volume 2 | Issue 8 (Accepted)
4. Vivek Sonwane, Ashok Pakhare, Pawan Kudale, Rahul Somani, **Sachin Tembhurne** and Priyank Shenoy. Possible anti-inflammatory mediated wound healing activity of pyrazinamide and clofazimine in wistar rats. *World Journal of Pharmaceutical Research*. Vol 6, Issue 06, 2017. 1563
5. Vijay C. Jamdhade, **S.V. Tembhurne**, Suresh Kamble and Babasaheb S. Surwase. Gastroprotective and Antioxidant Potential of Methanol Root Extract of *Tavernieracuneifolia* (Roth) Arn. in Albino Wister Rat. *Journal of Biologically Active Products from Nature* (Taylor and Francis). 5 (2); 2015, 149 - 161
6. Atish N. Waghmare, **Sachin V. Tembhurne**, Dinesh M. Sakarkar. Evaluation of Ethanolic Fruit Extract of *Murrayakoenigiifor* its Anti-ulcer activity against Ethanol and Pylorus ligation induced Gastric Ulcer model. *International Journal of Advances in Pharmaceutical Research*. 2015, 6(5): 118 – 123
7. Atish N. Waghmare, **Sachin V. Tembhurne**, Dinesh M. Sakarkar. Anti-Anaemic Potential of *Murrayakoenigii* Fruit Extracts In Phenylhydrazine Induced Anaemic Rats. *International Journal of Advances in Pharmaceutical Research*. 2015, 6(5): 124-127
8. Waghmare AN, **SV Tembhurne** and DM Sakarkar, 2015. Anthelmintic activity of *MurrayaKoenigii* (L) fruits extract on indian earthworm. *International Journal of Veterinary Science* 2015: 4(3): 1-4.
9. Atish N. Waghmare, **Sachin V. Tembhurne**, Dinesh M. Sakarkar. Phytochemical Analysis and *Invitro* Antioxidant Properties of *Murrayakoenigii*(L.) Fruits. *American Journal of Phytomedicine and Clinical Therapeutics* 2015, 3(5); 403-416
10. More BH, Sakharwade SN, **Tembhurne SV**, Sakarkar DM. Antioxidant and anti-inflammatory mediated mechanism in thermal wound healing by gel containing flower

extract of *Butea monosperma*. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. 2015, 85(2); 591-600.

11. Shubhangi S. Bhide, Babita H. More, Suvarna P. Gajare, **Sachin V. Tembhurne**. Development of Mosquito Repellent Formulations and Evaluation for its Activity. World Journal of Pharmaceutical Research 2014; 3(2), 2910-2917.
12. Bhandare SS., **Tembhurne SV**. Antidepressant effects of Dietary Supplements Garlic and Black Sesame Extracts in Overectomized Rats: Involving possible Estrogenic and Antioxidant Mechanism. International Journal of PharmTech Research. 2014; Vol.6, No.1, pp 168-173
13. More BH, Sakharwade SN, **Tembhurne SV**, Sakarkar DM. Evaluation of Sunscreen activity of Cream containing Leaves Extract of *Butea monosperma* for Topical application. International Journal of Research in Cosmetic Science. 2013, 3(1), 1-6.
14. More BH, Sakharwade SN, **Tembhurne SV**, Sakarkar DM. Evaluation for Skin irritancy testing of developed formulations containing extract of *Butea monosperma* for its topical application. International Journal of Toxicology and Applied Pharmacology. 2013, 3(1), 10-13.
15. More BH, Sakharwade SN, **Tembhurne SV**, Sakarkar DM. Skin Lightening effect of *Butea monosperma* Gel Formulation Mediated through Tyrosinase Inhibition. SOFW Journal. 2013, 139 (01/02), 13-17.
16. More BH, Sakharwade SN, **Tembhurne SV**, Sakarkar DM. Evaluation of formulated herbal cream containing leaf extract of *Butea Monosperma*. FS J. Pharm Res. 2012, 1 (4), 21-24.
17. **Tembhurne S.V** and Sakarkar D.M. Protective Antioxidant Potential of *MurrayaKoenigii* Leaves Extract against Pancreatic damage in Mice. FS Journal of Pharm Res. 2012, 1 (3), 70-72.
18. **Tembhurne S.V** and Sakarkar D.M. Anti-obesity and Hypoglycemic effect of ethanolic extract of *Murrayakoenigii* (L) leaves in high fatty diet rats. Asian pacific Journal of Tropical Biomedicine (Elsevier). 2012, S166-S168.
19. **Tembhurne S.V** and Sakarkar D.M. Effect of *MurrayaKoenigii* (L) Leaves Extract on Gastrointestinal Motility in Streptozotocin Induced Diabetic Rats. Zhong Xi Yi Jie He XueBao. 2011, 9(8), 913-919.
20. **Tembhurne S.V**, Sakarkar D.M. Antiamnesic effect of petroleum ether extracts of *Murrayakoenigii* (Linn) leaves involving possible anticholinesterase and cholesterol lowering mechanism. Asian Journal of Pharmaceutical and clinical research. 2011, 4(1), 155-160.
21. Hood M. M, **Tembhurne S. V** and Sakarkar D. M. Anthelmintic activity of different extracts of *Dalbergiasissoo* Roxb. on Indian Adult Earthworms. Der Pharma Chemica. 2011, 3(2), 142-146.
22. Sontakke A.S. and **Tembhurne S.V**. Evaluation of Soy Lecithin on Physiological Parameters in Female Wister Rats. International Journal of Drug Discovery and Herbal Research. 2011, 1(4), 219-223.
23. Surve GM, Pawar MH, **Tembhurne SV**, Sakarkar DM. Hair Growth promoting activity of Pig oil on Wister rats. Der Pharmacia Lettre. 2011, 3(1), 99-102.

24. Bhandare SS, **Tembhurne SV**. Antidepressant effects of Garlic and Black Sesame extracts in Ovariectomized rats: Involving possible estrogenic and Antioxidant Mechanism. Indian Journal of Pharmacology. 2011, 33, S175.
25. Bhandare SS, **Tembhurne SV**. Effect of Female Sex Hormone Estradiol and Dietary Phytoestrogen on Experimentally Induced Parkinsonism in Ovariectomized Rats: Possibly Involves Estrogenic and Antioxidant Mechanism. Indian Journal of Pharmacology. 2011, 33, S102.
26. **Tembhurne S.V** and Sakarkar D.M. Protective Effect of Chronic Treatment of Fluoxetine in Experimental Model of Diabetes and its Neuropathic Pain Perception in Rat. Indian Journal of Pharmaceutical Sciences. 2011, 73(6), 621-625.
27. **Tembhurne S.V**, Sakarkar D.M. Alternative to use of Live Animal in Teaching Pharmacology and Physiology in Pharmacy Undergraduate Curriculum: An assessment of 120 Students' Views. International Journal of Medical and Pharmaceutical Sciences. 2011, 1(1), 1-7.
28. **Tembhurne S.V** and Sakarkar D.M. Protective Effect of *Murrayakoenigii* (L) Leaves Extract in Streptozotocin Induced Diabetic Rats Involving Possible Antioxidant Mechanism. Journal of Medicinal Plant Res. 2010, 22 (4), 2418-2423.
29. **Tembhurne S.V** and Sakarkar D.M. Influence of *Murrayakoenigii* on Experimental model of Diabetes and its Progression of neuropathic pain. Research in Pharmaceutical Science. 2010, 5(1), 41-47.
30. **Tembhurne S.V**, Sakarkar D.M. Beneficial effects of *Murrayakoenigii* (Linn) leaf extracts in Cognitive Deficit Aged Mice Involving possible Anticholinesterase and Cholesterol lowering Mechanism. Int. J. Pharm Tech. Res. 2010, 2(1), 181-188.
31. **Tembhurne S.V**, Sakarkar D.M. Acceleratory Effect of *Murrayakoenigii* leaves extracts on Small Intestinal Transit Involved Possible Cholinergic Innervation in Mice. Int. J. Pharm Tech. Res. 2010, 2(1), 322-326.
32. Dhakad P.S, **Tembhurne S.V** and Sakarkar D.M., Acceleratory effect of Ethanolic extract of Piper betel on gastrointestinal transit: Involving calcium innervations in mice. Int. J. Pharm Tech. Res. 2010, 2(1), 563-567.
33. **Tembhurne S.V**, Sakarkar D.M. Biochemical and Physiological Responses of Fruit Juice of *Murrayakoenigii* (L) in 28 Days Repeated Dose Toxicity Study. Int. J Pharm Tech Res. 2009, 1 (4), 1568-1575.
34. **Tembhurne S.V**, Sakarkar D.M. Hypoglycemic Effects of Fruit Juice of *Murrayakoenigii* (L) in Alloxan Induced Diabetic Mice. Int. J. Pharm. Tech. Res. 2009, 1(4), 1589-93.
35. **Tembhurne S. V**, Jagtap A.G, Sakarkar D.M. Nootropic effect of MP-1 a polyherbal formulation on cognitive deficit induced by hypoxia and its antioxidant potential. Journal of Herbal Medicine and Toxicology. 2009, 3 (2), 67-72.
36. **Tembhurne S.V**, Sakarkar D.M. Effect of *Murrayakoenigii* leaves extracts on gastrointestinal motility: Involving Calcium Channel Innervation in Mice. Archive in Pharmaceutical Res. 2009, 1(2), 189-193.
37. **Tembhurne S.V**, Jagtap A.G, Shaikh F. Possible Anticholinesterase Mechanism of MP1 a Herbal Formulation: Reversal of Scopolamine Induced Dementia in Maze Performance. Advanced Pharmacol. Toxicol. 2009, 10 (1), 29-36.

38. **Tembhurne S.V**, Sakarkar D.M. Influence of Benzene Extract of Piper betel on Delayed Small Intestinal Transit by Chlorpromazine Involving Calcium Innervations in Mice. *International Journal of Current Res and Rev.* 2009, 1, 14-20.
39. **Tembhurne S.V**, Firoj S, Jagtap A.G. Nephroprotective activity of Nigella Sativa seeds against cisplatin induced Nephrotoxicity in Mice. *Indian Journal of Natural Products.* 2008, 24(1), 13-16.
40. **Tembhurne S.V**, Sakarkar D.M. Transport of Glucose in isolated goat ileum preparation: an alternative research tool for absorption study. *Indian J. Physiol. Pharmacology.* 2008, 52(2), 211-13.
41. Jagtap A.G, **Tembhurne SV** et al. Toxicological evaluation of *Carallumafimbriata* extract in Wistar Rats. *The American Abstract of Pharmaceutical Sciences.* 2006, 8(S2), W4083.

PRESENTATIONS:

25 Abstracts are published in various National and International Conferences, Some of them are as follows :

1. Chandan H, Bairagi G, Tembhorn S and Sakarkar D. Anthelmintic activity of Petroleum ether extract of *Murrayakoenigii* leaves in Indian Earthworm. **In 61th Indian Pharmaceutical Congress** (Pharma Vision 2020) held in **Dec 2009 at Ahmadabad.**
2. Tembhorn S and Sakarkar D. Effects of *Murrayakoenigii* (Linn) fruit juice on Biochemical and Physiological responses in 28 days repeated dose toxicity studies in mice. **International conference on Biomedical science held in Feb 2009 at Nanded.**
3. Tembhorn S, Jagtap A and Sakarkar D. Anti-oxidant and Toxicological evaluation of MP 1: A Herbal formulation. **In 59th Indian Pharmaceutical conference held in 2007 at Varanasi.**
4. Tembhorn S, Jagtap A and Shirke S. Possible Anticholinesterase Activity of MP1: Involving Memory Enhancing Activity: - **In 57th Indian Pharmaceutical conference held in 2005 at Hyderabad.**
5. Tembhorn S, Jagtap A and Shirke S. Nootropic effect of MP-1, A Polyherbal Formulation on Cognitive deficit induced by Hypoxia and its Antioxidant Potential:- **In 57th Indian Pharmaceutical conference held in 2005 at Hyderabad.**

CONFERENCES/ SYMPOSIUMS/CONVENTIONS ATTENDED:

1. Attended Seminar on Role of Academics, Pharmaceutical Industry and I.T. Sector in Promoting India Health Sector. Organized by Central Drug Standard Control Organization (West Zone) Mumbai Collaboration with IPC Gaziabad, 7-Jan-16.
2. Attended Workshop on Pre-audit planning, organized by NSS and student welfare SPPU Pune on 09/03/2017
3. Attended One day State level Seminar on Insights on different funding agencies and research proposal writing at AISSMS College of Pharmacy Pune on 31/01/2017
4. Attended One Day NSS, Preorganisation workshop on Special Camp. Art, Commerce and Science College, Narayangaon, Pune (SPPU Sponsored) . 4-Dec-15

5. Attended 3rd National Conference"ABMH PharmaCon-2015 on Pharmacy and Medication. Aditya Birla Memorial Hospital, Pune. 17 and 18 October 2015
6. Attended and participated in one-day International Seminar on Recent Advances and challenges in pharmaceutical industry held on 20 Jun 2010 at college of pharmacy Koradi, Nagpur.
7. Attended and participated in two days Avishkar-2009 held during 23-24 Dec 2009 by SantGadge Baba Amravati University Amravati.
8. Attended two day AICTE sponsored two-day National Seminar on Pharmaceutical Nanotechnology held during 25-26 Sept 2009 at SudhakarNaik Institute of Pharmacy, Pusad.
9. Attended and participated in three day 'International conference on Advances in Biosciences: From Darwin to Dolly and Beyond held during 12-14 Feb 2009 at YashavantMahavidyalayaNanded.
10. Attended two-day state level seminar on 'Recent Trend in Teaching Basic and Applied Sciences' Organized by PhulsingNaikMahavidyalaya, Pusad during 03-04 Jan 2009.
11. Attended one-day National workshop on "INTELLECTUAL PROPERTY RIGHTS" in September 2007 at Government College of Pharmacy Amaravati.
12. Attended two-day PCI sponsored Orientation Programme on 'Current Developments in Pharmaceutical Technology & Practice' held during 16-17 Feb 2007 at SudhakarNaik Institute of Pharmacy, Pusad.

WORKSHOPS / SEMINARS/REFRESHER COURSE ATTENDED:

1. Practical Training of HPTLC at Anchrom Enterprises, Mumbai.
2. Attended 14 days Staff Development Programme sponsored by AICTE, held in Feb 2007 at R.C.Patel college of Pharmacy Shirpur, District: Dhule, Maharashtra.
3. Attended 4 days Feel Teachers Programme held in 2006 at R.C. Patel College of Engineering Shirpur , District: Dhule, Maharashtra (certificate not received).