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**Name:** Dr. Sachinkumar Vinayak Tembhurne

**Designation:** Associate Professor (Pharmacology)

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

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

**Email-Id:** sachin\_tembhurne@aissmscop.com

LinkedIn ID: [www.linkedin.com/in/sachin-tembhurne-41a67388](https://www.linkedin.com/in/sachin-tembhurne-41a67388)



### PROFESSIONAL EXPERIENCE:

1. Working as Associate Professor in department of Pharmacology at All India Shri Shivaji Memorial Society, College of Pharmacy, Pune. (Since Aug 2024 to till date).
2. Worked as Assistant Professor in department of Pharmacology at All India Shri Shivaji Memorial Society, College of Pharmacy, Pune. (Since 04 Aug 2015 to Aug 2024).
3. Previously associated with Bajiraoji Karenjekar College of Pharmacy, Sakoli. Dist-Bhandara as a Lecturer and as Assistant Professor at H.R. Patel Women's College of Pharmacy, Shirpur Dist-Dhule, and Sudhakar Rao Naik Institute of Pharmacy, Pusad. Dist: Yavatmal. (2005 to 2014)

### TOTAL EXPERIENCE IN YEARS:

❖ Teaching and Research: 20 yrs.

### EDUCATIONAL QUALIFICATIONS:

- **Doctorate Degree (Ph.D.)** Jun, 2013 in the Faculty of Medicine (Pharmaceutical Science) from 'Sant Gadge Baba' Amravati University, Amravati; under the guidance of Prof. (Dr.) Dinesh M. Sakarkar.  
Research Topic: Pharmacological and Toxicological screening of *Murraya koenigii* for risk and complications of type 2 diabetes mellitus.
- **M.Pharm:** December 2005 from **Bombay College of Pharmacy**, Kalina, Santacruz (E), Mumbai 98, in Pharmacology, Toxicology and Therapeutics, under the guidance of Dr. (Mrs.) A. G. Jagtap.  
Research Topic: Pharmacological Screening of Medicinal Plants for Memory Enhancing Activity.
- **GATE-2003:** GATE qualified in 2003 conducted by IIT Kharagpur West Bengal
- **B.Pharm:** July 2002, from **Institute of Pharmaceutical Education and Research (IPER) Borgaon** (Meghe) Wardha. Rastra Sant Tukadoji Maharaj Nagpur University, Nagpur



## **AREAS OF INTEREST AND EXPERTIZE:**

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, formulation development and testing of Cosmeceutical, wound targeting and Nutritional product development and its evaluation for prenatal and postnatal care research, postpartum depression etc.

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.

## **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.
- Ulcerogenecity 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:**

- Handling responsibility of on Autonomy-University Grant Commission process for college; PCI approval process.
- Handling responsibility as a Innovation Ambassador, Institutional Innovation Council, MHRD.
- Working as a Member Secretary, Institutional Animal Ethical Committee, CPCSEA, New Delhi. Nominated and working as a Biological scientist in Institutional Animal Ethical Committee (IAEC), CPCSEA. Appointed as a Nominee by CPCSEA, New

Delhi.

- Worked in steering committee of NAAC accreditation of college (2016 to 2021) and NBA accreditation and autonomy of the college (2019- to 2023)
- Worked in programme monitoring committee of College (2021 to 2024); Worked in Committee of Educational Tour for Students (2021 to 2024); member of Research advisory board.
- Handling as Incharge of IT committee of college, Member of Library advisory committee.
- Working as a member coordinator for Infrastructure and Learning Resources for Criteria IV and Criteria III Research, Innovations and Extension of NAAC of college committee.
- Worked as a member of Internal Quality Assurance Cell (IQAC) of College committee
- Worked as Staff Editor for APGA Bulletin (2015-2020); as member Coordinator for N.S.S (2015-2020); member Coordinator for Gender Championship committee;
- Worked experience as a member of Scientific committee for University of Pune sponsored QIP Programme “Insights of accreditation process for affiliated colleges’ (2017-18)
- Worked experience as a member of scientific committee for Synapse Since 2016 at AISSMS College of Pharmacy, Pune.
- Worked experience as a member of scientific committee for University of Pune sponsored QIP Programme Insights on different Funding Agencies and Research Proposal Writing (2016-17) at AISSMS College of Pharmacy, Pune.
- 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 Undergraduate and Postgraduate Examination (Pharmacology) in faculty of Pharmaceutical Sciences at 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 Rao Naik Institute of Pharmacy, Pusad (2008 to 2015)

## **AWARDS AND APPRECIATION**

1. Received best academic performance indicator score from Shri. Malojiraje Chhatrapati, Hon. Secretary, All India Shri Shivaji Memorial Society's Pune.
2. In World scientist and university ranking by AD scientific index in Pharmacology and Toxicology in 2020-2021, 2021-2022.
3. Winning of **First prize with reward of Rs. 1.0 Lakh-** as a Mentor for the project work of “**Smart Dual Sensing Film: Revolutionizing Diabetic Wound Care**” in Category-Technical: Pharma/Bio/Chemical Technology, at the 4<sup>th</sup> CiiA Innovation exhibition at Nehru Science Centre 05-07 Feb 2025, Worli Mumbai organized by

CiiA, Marshals Foundation and Rotary Club of Bombay, Worli. (Students-Tanvi Rawool)

4. Winning of **Second Runners up prize with reward of Rs. 25000/-** as a Mentor for the project work of **“Revolutionizing frostbite care at high altitude: Natural Nano emulsified Gel”** in Category-Technical: Pharma/Bio/Chemical Technology, at the 4<sup>th</sup> CiiA Innovation exhibition at Nehru Science Centre 05-07 Feb 2025, Worli Mumbai organized by CiiA, Marshals Foundation and Rotary Club of Bombay, Worli. (Students-Dnyaneshwar Bembde)

## **SPEAKER/GUEST LECTURE/MEMBERS**

1. Delivered Guest lectures on Anatomy and Physiology subject for clinical Pharmacy Course at Department of Technology, Savitribai Phule Pune University Pune. 2019-20
2. Speaker at 13<sup>th</sup> Pharma Conference “Emerging Trends in Pharmaceutical Sciences and Future Innovations in Health Care” Organized by Yadavrao Tasgaonkar Institute of Pharmacy, Bhivpuri, Karjat. 03/01/2020 to 04/01/2020. Topic Name: Current and Future Scenario of In vitro Screening Methodologies in Early Drug development Process. Scheduled at 04/01/2020.
3. Contributed as a scientific committee member at International Congress of Society of Ethnopharmacology, India during 27 to 29th August 2021
4. Contributed as a Scientific Team Member in the International Symposium on Medication Therapy Management -2021 during 12-14 Nov 2021 at Hyderabad.
5. Invited as a Chairman for the Evaluation of Poster at International Congress of Society of Ethnopharmacology, India during 27 to 29th August 2021

## **PATENTS**

1. A Nutritional Composition Containing Bovine Colostrum. Patent Application number. 202221039347. Patent Journal no. 30/2022 Date of publication 29/07/2022. Inventor Name- Dr. Ashwini Raghavendra Madgulkar; Dr. Sachinkumar Vinayak Tembhurne; Ms. Aparna Ashok Lakare; Mr. Gautam Sanjay Gundecha. Applicant name- All India Shri Shivaji Memorial Society's College of Pharmacy Pune
2. A Nutritional Composition for Diabetes. Patent application no. 202221050617. Patent Journal no. 37/2022 16.09.2022. Inventors name- Dr. Sachinkumar Vinayak Tembhurne; Dr. Ashwini Raghavendra Madgulkar; Mr. Nikhil Potdar; Ms. Preetam Palkar; Mr. Anirudha Chaskar. Applicant- All India Shri Shivaji Memorial Society's College of Pharmacy Pune
3. Dual-Sensing Polymeric Film for Simultaneous Glucose and pH Monitoring. The Patent application 202521079589 published in the Indian Patent office Journal No 37/2025, Page no 90132 on September 12, 2025. Inventors name- Dr. Sachinkumar Vinayak Tembhurne; Dr. Ashwini Raghavendra Madgulkar; Ms. Tanavi Rawool; Dr. Mangesh Bhalekar. Applicant- All India Shri Shivaji Memorial Society's College of Pharmacy Pune

## BOOKS AUTHORED: 11

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
7. Pharmacology –I (As per Pharm D Syllabus) for Second Year Pharm D. Published by Nirali Prakashan, Pune. Published in April 2018. ISBN 978-93-87686-40-3
8. Pharmacology –I (As per PCI Syllabus) for Second Year B.Pharm. Published by Nirali Prakashan, Pune. Published in January 2019. ISBN 978-9388706-18-6
9. Pharmacology –II (As per PCI Syllabus) for Third Year B.Pharm. Published by Nirali Prakashan, Pune. Published in August 2019. ISBN 978-9389406-62-7.
10. Pharmacology –III (As per PCI Syllabus) for Third Year B.Pharm. Published by Nirali Prakashan, Pune. Published in January 2020. ISBN 978-9389686-72-2.
11. Text Book of Pharmacy Practice (As per PCI) for Final year B.Pharm Published by Nirali Prakashan, Pune. Published in July 2020. ISBN 978-93-90225-14-9

## \*NATIONAL AND INTERNATIONAL RESEARCH PUBLICATIONS\*

1. **Sachin Vinayak Tembhurne**, Aniket Ganesh Vasatkar, Mansi S Jagdale, Ziyaurrahman AR, Gautam Sanjay Gundecha. Effect on neurobehavioral and cognitive abilities of F1 progeny following millet based nutritional composition during protein deficit F0 mother. **Indian Journal of Physiology and Pharmacology**. 2025; 69(3); 211-221
2. **Sachin Vinayak Tembhurne**, Aniket Ganesh Vasatkar, Mansi S Jagdale, Ziyaurrahman AR, Gautam Sanjay Gundecha, Atharva Deo, Shubham N Gavade, Somdatta Chaudhary, Aniket Garud. Reversal of Aluminium chloride induced neurobehavioral deficit by Selenium: Involving NLRP3 inflammasome and cholinergic innervation. *Iranian Journal of Pharmaceutical Sciences*. Volume 21, Issue 1 (2025) Page 344-356
3. **Tembhurne, S.V.**, Sul, S.V., Gavade, S.N. *et al.* Exploring the Pharmacokinetic Profile of Antiretroviral Efavirenz in Low Protein Malnourished Condition in Wistar Rats. *Eur J Drug Metab Pharmacokinet* Vol 50; Pages 363-369 (2025).

4. **Sachin Vinayak Tembhurne\***, Mitali Dattatray Dange, Dnyaneshwar Rajendra Bembde and Ziyaurrehman Ataurrahman. Nanomaterial based therapeutic approach with bovine colostrums for the skin wound management in experimental model of rats. *Acta Scientiarum. Biological Sciences*, v. 47, e73946, 2025
5. **Sachin V Tembhurne**, Mansi S Jagdale, Payal Kate and Ziyaurrehman AR Millet based nutritional supplement for diarrheal episode in protein energy malnourished condition: An experimental approach in castor oil model. **Arquivos De Gastroenterologia** 2025. Volume 62:e24098. <https://doi.org/10.1590/S0004-2803.24612024-098>
6. **Sachin Tembhurne**, Preetam Palkar, Swati Kolhe, Santosh Gandhi. Impact of protein deficient diet on the pharmacokinetics of glibenclamide in a model of malnutrition in rats. *Journal of Diabetes & Metabolic Disorders*. 2023 Sep 9; 22(2):1531-1536. <https://doi.org/10.1007/s40200-023-01282-6>
7. Pallavi Shirsat , Ziyaurrehman A. R. , Rama Kashikar , Manjushree Athavale , Tejas Athavale , Pritam Taware , Tina Saldanha , Swati Kolhe & **Sachin Tembhurne**. Subacute toxicity study of the ethanolic extract of *Mesua ferrea* (L.) flowers in rats. *Drug and Chemical Toxicology*. 2022 Jul;45(4):1570-1577 DOI: 10.1080/01480545.2020.1847134
8. Snehal R. Salve, Miss. Pooja Kolase, Mrs. Swati Kolhe, Ziaurrehman A.R., **Sachin Tembhurne**. Evaluation of Cardio Protective Effect of Cinnamaldehyde in a Prevention of Myocardial Infarction in Wistar rats. *International Journal of All Research Education and Scientific Methods*. Volume 9, Issue 9, September -2021, 268-276.
9. Dipali Hanamghar, Shivani Salokhe, **Sachin Tembhurne**, Swati Kolhe. Development and Evaluation of Nutritious Supplementary Food Product in Phenyl Hydrazine Induced Anaemia in Wistar Rats. *Journal of Drug Delivery & Therapeutics*. 2021; 11(1):68-71
10. Harshada Lanjekar, Swati Kolhe, **Sachin Tembhurne**. Pharmacological evaluation of clove oil emulsion on propylthiouracil induced hypothyroidism in wistar rats. *Asian Journal of Pharmacy and Pharmacology* 2020; 6(4): 249-253.
11. Prajakta H. Murudkar Swati U. Kolhe, **Sachin V. Tembhurne**. Twenty eight days repeated dose oral toxicity study of hydro-alcoholic extract of *Helicteres isora* dried fruits in experimental wistar rats. *Journal of Advanced Scientific Research* 2020; 11 (4), 183-193
12. Prajakta H. Murudkar Swati U. Kolhe, **Sachin V. Tembhurne**. Protective effect of hydro-alcoholic extract of dried fruits of *Helicteres isora* in dextran sulfate sodium (DSS) induced ulcerative colitis in experimental wistar rats. *International Journal of Pharmaceutical Sciences and Drug Research* 12, 325-30
13. Prajakta H. Murudkar Swati U. Kolhe, **Sachin V. Tembhurne**. Protective effect of hydro-alcoholic extract of dried fruits of *Helicteres isora* in acetic acid induced ulcerative colitis in experimental rats. *Journal of Advanced Scientific Research* 2020, 11, 83-89
14. Mr. Choudhary K. Naresh, Mr. Kedar Gangadhar, Mrs. Swati U Kolhe, **Sachin Tembhurne**. In Vitro Antioxidant Activity and Acute Oral Toxicity Study of Polyherbal Formulation (*Alangium Salviifolium* & *Clitoria Ternatea*) in Mice. *International Journal of All Research Education and Scientific Methods*. 8(12),2020,106-110

15. Rutuja D. Vibhute\*, Swati U. Kolhe and **Sachin V. Tembhurne**. Preclinical evaluation of hydroalcoholic extract of sesbania sesban leaves on antiulcer activity by pylorus ligation induced gastric ulcer on experimental rats. European Journal of Biomedical and Pharmaceutical Sciences. 2020, 7(12), 226-230
16. Rutuja D. Vibhute\*, Swati U. Kolhe and **Sachin V. Tembhurne**. 28 Days Repeated Dose Oral Toxicity Study Of Hydroalcoholic Extact Of Sesbania Sesban Leaves In Experimental Rats. European Journal of Biomedical and Pharmaceutical Sciences. 2020, 7(11), 274-284
17. S. S. Salokhe, S. U. Kolhe, **S. V. Tembhurne**, Dipali Hanmghar. 28 Days repeated oral toxicity study of Rosmarinus officinalis in Wistar Rats. Journal of Drug Delivery & Therapeutics. 2020; 10(6-s):67-74
18. Shubhangi Deshpande, Swati Kolhe, **Sachin Tembhurne**. Evaluation of Anti-Anaphylactic Activity of methanolic extract of Momordica charantia in Experimental Animals. Journal of Drug Delivery & Therapeutics. 2020; 10(5-s):149-151
19. Yadav Nishigandha Subhash, Kolhe Swati and **Tembhurne Sachin**. 28 Days Repeated Dose Oral Toxicity Study of Hydro-Alcoholic Extract of Celosea argentea Seed in Wistar Rats. International Journal of Pharmacy and Biological Sciences-IJPBSTM (2019) 9 (3): 1276-1283
20. Sandhyarani Anil Nikam, Swati U. Kolhe, **Sachin V. Tembhurne**. 28 Days Repeated Dose Oral Toxicity Study of Hydro-Alcoholic Extract of Celosea argentea Seed in Wistar Rats. International Journal of Pharmacy and Biological Sciences-IJPBSTM (2019) 9 (3): 1276-1283.
21. Mayuri V. Shelar, Swati U. Kolhe and **Sachin V. Tembhurne**. Chemoprotective Effect Of *Buchanania Lanzas* Seeds Extract On Toxicity Of Cisplatin Induced Nephrotoxicity In Rats. European Journal of Biomedical and Pharmaceutical Sciences. 2019, Volume 6, Issue 7, 263-267.
22. Mrinalini C. Damle, **Sachin V. Tembhurne**, Swapnil R. Todkar. Evaluation of Hepatoprotective Activity of Hydroalcoholic Extract of Onion Peels Containing Protocatechuic Acid. Journal of Drug Delivery and Therapeutics. 2019; 9(4):82-88
23. Mayuri Shelar, Swati Kolhe, **Sachin Tembhurne** .Chemoprotective Effect of *Buchanania Lanzas* Seed Extract On Toxicity of 5- Flurouracil Induced Hepatotoxicity In Rats. Journal of Emerging Technologies and Innovative Research. 2019, Volume 6, Issue 6.127-131.
24. Vaidya Mrunal, Kolhe Swati, **Tembhurne Sachin**. Anti-Anxiety and Antidepressant Activity of Ethanolic Extract of *Dalbergia Sissoo* for Anxiety and Depression in Ovariectomized Rats. Journal of Drug Delivery & Therapeutics. 2019; 9(3-s):407-411
25. Mrunal Vaidya, Swati Kolhe, **Sachin Tembhurne**. Preclinical evaluation of ethanolic extract of *Dalbergia sissoo* for female sexual dysfunction in experimental rats. Journal of Emerging Technologies and Innovative Research. 2019, Volume 6, Issue 6.400-411.
26. Mrunal Vaidya, Swati Kolhe, **Sachin Tembhurne**. Evaluation of subacute oral toxicity induced by ethanolic extract of *Dalbergia sissoo* leaves in experimental rats. European Journal of Biomedical and Pharmaceutical Sciences. 2019, Volume 6, Issue 6, 568-577



27. Yadav Nishigandha, Kolhe Swati, **Tembhurne Sachin**. Aphrodisiac activity of hydro-alcoholic extract of *Celosea argentea* dried seeds in male rats. *Journal of Drug Delivery & Therapeutics*. 2019; 9(3-s):296-302
28. Sandhyarani Anil Nikam, Swati U. Kolhe, **Sachin V. Tembhurne**. Evaluation Of Subacute Oral Toxicity Study Induced By Ethanolic Extract Of *Sesbania Grandiflora* Flower Extract In Experimental Rats. *Journal of Drug Delivery & Therapeutics*. 2019; 9(3-s):764-782.
29. Sandhyarani Anil Nikam, Swati U. Kolhe, **Sachin V. Tembhurne**. Preclinical evaluation of *Sesbanian grandiflora* flower extract for antihyperlipidimic and antiobesity activity on experimental rats. *Journal of Drug Delivery & Therapeutics*. 2019; 9(3-s):537-543
30. Mahesh Rajguru\*, **Sachinkumar Tembhurne** and Swati Kolhe. Antiobesity, Antihyperlipidemic And Antidiabetic Agents Of Proto-Catechuic Acid In High Fatty Diet Along With Alloxan Induced Diabetes. *International Journal of Pharmaceutical Sciences and Research*. 2019; Vol. 10(4): 1741-1746
31. M. S. Kale, S. U. Kolhe and **S. V. Tembhurne**. Neuropharmacological Evaluation of *Sesbania sesban* Using Experimental Animals. *World Journal of Pharmaceutical Research*. 2019; **Volume 7, Issue 12, 698-717**
32. Mayur Kale, Swati Kolhe, **Sachin Tembhurne**. Neuroprotective effect of on Scopolamine induced *Sesbania sesban* amnesia in wistar rats: Behavioral and biochemical study. *Asian Journal of Pharmacy and Pharmacology* 2018; 4(5): 657-661
33. Ambadas Mane, **Sachin Tembhurne\***, Swati Kolhe. Effect of *Dalbergia sissoo* on lipid profile and oxidative stress in ovariectomized rats. *Asian Journal of Pharmacy and Pharmacology* 2018; 4(6):790-795
34. Sonwane V, Somani R, **Tembhurne S** and Kolhe S. Anti-Inflammatory Mediated Wound Healing Activity of Mefenamic Acid with Honey in Wistar Rats. *Remedy Open Access* 2017 | Volume 2 | Article 1071
35. 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.
36. **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
37. **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. *Annals of Pharmacology and Pharmaceutics*. 2017 | Volume 2 | Issue 8 Article 1069
38. 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
39. 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 Wistar Rat. *Journal of Biologically Active Products from Nature* (Taylor and Francis). 5 (2); 2015, 149 - 161

40. Atish N. Waghmare, **Sachin V. Tembhurne**, Dinesh M. Sakarkar. Evaluation of Ethanolic Fruit Extract of *Murrayakoenigii* for 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
41. 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
42. 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.
43. Atish N. Waghmare, **Sachin V. Tembhurne**, Dinesh M. Sakarkar. Phytochemical Analysis and *In vitro* Antioxidant Properties of *Murrayakoenigii* (L.) Fruits. *American Journal of Phytomedicine and Clinical Therapeutics* 2015, 3(5); 403-416
44. 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.
45. 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.
46. Bhandare SS., **Tembhurne SV**. Antidepressant effects of Dietary Supplements Garlic and Black Sesame Extracts in Overrectomized Rats: Involving possible Estrogenic and Antioxidant Mechanism. *International Journal of Pharm Tech Research*. 2014; Vol.6, No.1, pp 168-173
47. 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.
48. 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.
49. 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.
50. 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.
51. **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.
52. **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.

53. **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.
54. **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.
55. 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.
56. 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.
57. 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.
58. Bhandare SS, **Tembhurne SV.** Antidepressant effects of Garlic and Black Sesame extracts in Overectomized rats: Involving possible estrogenic and Antioxidant Mechanism. International Journal of Pharm Tech Research.
59. Bhandare SS, **Tembhurne SV.** Effect of Female Sex Hormone Estradiol and Dietary Phytoestrogen on Experimentally Induced Parkinsonism in Overectomized Rats: Possibly Involves Estrogenic and Antioxidant Mechanism. Indian Journal of Pharmacology. 2011, 33, S102.
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61. **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.
62. **Tembhurne S.V** and Sakarkar D.M.Protective Effect of *Murrayakoenigii* (L) Leaves Extract in Streptozotocin Induced Diabetics Rats Involving Possible Antioxidant Mechanism. Journal of Medicinal Plant Res. 2010, 22 (4), 2418-2423.
63. **Tembhurne S.V** and Sakarkar D.M. Influence of *Murrayakoenigii* on Experimental model of Diabetics and its Progression of neuropathic pain. Research in Pharmaceutical Science. 2010, 5(1), 41-47.
64. **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.
65. **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.
66. 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.

67. **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.
68. **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.
69. **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.
70. **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.
71. **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.
72. **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.
73. **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.
74. **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.
75. 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.

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

1. Aparna A. Lakare, **Sachin V. Tembhurne**, Preetam P. Palkar, Nikhil A. Potdar ,Onkar A. Dindore Malnutrition: A detailed examination of government programs and nutritional reports. Science technology and development journal, volume XI , issue 5 , May 2022 , Pg no - 674 -684
2. Preetam P. Palkar , **Sachin V. Tembhurne** , Nikhil A. Potdar , Aparna A. Lakare , Onkar A. Dindore . Malnutrition related diabetes mellitus (MRDM): current status. NOVI MIR research journal, vol 7 , issue 5 , may 2022, Pg no : 51-56
3. Anirudha A. Chaskar, **Sachin S. Tembhurne** , Anup S. Deshmukh, Gautam S. Gundecha , Kamlesh B. Patil Effect of Diabetes Mellitus on Micronutrient Levels and Their Maintenance with Help of Plant Based Naturally Occurring Foods. PENSEE. VOLUME 51 1206. Issue 6. 2021
4. Anup S. Deshmukh, **Sachin V. Tembhurne**, Anirudha A. Chaskar , Gautam S. Gundecha , Kamlesh B. Patil Oral contraceptives – its adverse effects and other health risks. PENSEE. VOLUME 51 342. Issue.2021
5. Gautam S. Gundecha , **Sachin V Tembhurne** , Anirudha A. Chaskar , Anup S. Deshmukh , Kamlesh B. Patil. Folic Acid And Micronutrients Supplements From

Natural Origin And Food Components: A systematic review. Pensee . volume 51 327. Issue 7. 2021

6. Sarika S. Jadhav, Varsha B. Khillari, and **Sachin V. Tembhurne** .A comprehensive review on plant extract as an herbal indicator in titrimetric analysis. International Journal of Pharmacognosy. 2017; Vol. 4(2): 54-59.
7. **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
8. 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
9. 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.
10. **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.
11. **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.

## **PRESENTATIONS:**

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

1. Chandan H, Bairagi G, Tembhurne 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. Tembhurne 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. Tembhurne S, Jagtap A and Sakarkar D. Anti-oxidant and Toxicological evaluation of MP 1: A Herbal formulation. **In 59<sup>th</sup> Indian Pharmaceutical conference held in 2007 at Varanasi.**
4. Tembhurne S, Jagtap A and Shirke S. Possible Anticholinesterase Activity of MP1: Involving Memory Enhancing Activity: - **In 57<sup>th</sup> Indian Pharmaceutical conference held in 2005 at Hyderabad.**
5. Tembhurne 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 57<sup>th</sup> Indian Pharmaceutical conference held in 2005 at Hyderabad.**

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

1. Attended/ Participated several e-conference, FDP, Seminars organized by various institute during lockdown between April 2020 to August 2020 (2019-20)
2. Attended 3rd National Conference" ABMH PharmaCon-2015 on Pharmacy and Medication. Aditya Birla Memorial Hospital, Pune. 17 and 18 October 2015
3. 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.
4. Attended and participated in two days Avishkar-2009 held during 23-24 Dec 2009 by Sant Gadge Baba Amravati University Amravati.
5. Attended two day AICTE sponsored two-day National Seminar on Pharmaceutical Nanotechnology held during 25-26 Sept 2009 at Sudhakar Rao Naik Institute of Pharmacy, Pusad.
6. 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 Yashavant Mahavidyalaya Nanded.
7. Attended two-day state level seminar on 'Recent Trend in Teaching Basic and Applied Sciences' Organized by Phulsing Naik Mahavidyalaya, Pusad during 03-04 Jan 2009.
8. Attended one-day National workshop on "Intellectual Property Rights" in September 2007 at Government College of Pharmacy Amravati.
9. Attended two-day PCI sponsored Orientation Programme on 'Current Developments in Pharmaceutical Technology & Practice' held during 16-17 Feb 2007 at Sudhakar Rao Naik Institute of Pharmacy, Pusad.

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

1. Completed training of Innovation Ambassador Training "Foundation Level and Advanced Level" organized by Ministry of Education ,Institution Innovation Council (60 Contact Hours (30 Session). 2023
2. Completed Two day National Workshop on Implementation of National Education Policy-2022- Accreditation-Pathway for quality education. Organized by AISSMS Institute of Management. 16-17 Feb 2023
3. Completed NPTEL Online certificate course. Brief Introduction to Psychology. 8 week course- July-August 2022.
4. Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Emerging Trends in Drug Engineering" Prin. K.M. Kundnani college of Pharmacy. 30/08/2021 to 03/09/2021
5. Attended/ Participated several workshop, Seminar, Webinar and completed courses organized by various institute of India as well as at international level during lockdown period between April 2020 to August 2020 (2019-20)
6. Attended One day State level Seminar on Insights of accreditation process for affiliated colleges at AISSMS College of Pharmacy Pune on 06/02/2018
7. Attended Workshop on Pre-audit planning, organized by NSS and student welfare SPPU Pune on 09/03/2017

8. 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
9. 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.
10. Attended One Day NSS, Preorganization workshop on Special Camp. Art, Commerce and Science College, Narayangaon, Pune (SPPU Sponsored) . 4-Dec-15
11. One day Faculty development programme, 6/12/2016 at AISSMSCOP
12. Practical Training of HPTLC at Anchrom Enterprises, Mumbai.
13. Attended 14 days Staff Development Programme sponsored by AICTE, held in Feb 2007 at R.C. Patel college of Pharmacy Shirpur, District: Dhule, Maharashtra.
14. Attended 4 days Feel Teachers Programme held in 2006 at R.C. Patel College of Engineering Shirpur, District: Dhule, Maharastra (certificate not received).

**Dr. Sachin V. Tembhurne**