



# 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:** Dr.Swati U. Kolhe

**Designation:** Assistant Professor

**Qualifications:** M. Pharm.PhD

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### PROFESSIONAL EXPERIENCE:

1. Worked as Assistant Professor from June 2009 to at AISSMS College of Pharmacy, Pune - 411001 till date.
2. Worked as Lecturer from June 2005 to June 2006 at AISSMS College of Pharmacy, Pune - 411001.
3. Worked as Lecturer from June 2004 to June 2005 at Vidyabharati College of Pharmacy, Amravati .

### TOTAL EXPERIENCE IN YEARS:

❖ Teaching: 17 yrs.

### AREAS OF INTEREST:

CNS Activity

Neuropharmacological Disorders

### **PROFESSIONAL AFFILIATIONS:**

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

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

- ❖ No. of Inhouse Projects: 4
- ❖ No. of Funded Research Projects (University/Industry): 02
- ❖ Amount of Research Grant Received: 3,70,000/-

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

- ❖ Working experience with Spandan and APGA Audit Committee, Member of Exam Section, Sport committee, Registration committee in SYNAPSE, Class Teacher ( T.Y. ) ,Antiragging Ragging Committee, Womens Grievance Redressal Committee and Internal Complaint Committee.
- ❖ Worked as a coordinator for AICTE sponsored Workshop entitled “Isolation Techniques and Pharmacological Screening of Phytochemicals” (2014-15 )
- ❖ Worked as a staff incharge for Medical check up committee.
- ❖ Worked as Member Secretary for Institutional Animal Ethical Committee.
- ❖ Worked as Assistant CAP Director
- ❖ Worked as a staff incharge for Annual report Committee
- ❖ Worked as a staff incharge for Arogya Prabodhini Programme( Haemoglobin Check Up )
- ❖ Member of Disaster Management Programme

### **PUBLICATIONS:**

- ❖ REVIEWS: 4
- ❖ NATIONAL RESEARCH PUBLICATIONS: 38
- ❖ INTERNATIONAL RESEARCH PUBLICATIONS: 5
- ❖ H index - 7
- ❖ i10 Index -5
- ❖ No of Citations – 120

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

1. N. S. Vyawahare, A. D. Kshirsagar, **S. G. Narkhede**, I. E. Ansari, A. M. Bhandare, V. G. Kagathara, Management of Orphan Diseases And Current Market Scenario In Use Of Orphan Drugs: A Review, An International Journal Of Pharmaceutical Sciences, 2010.
2. N.S. Vyawahare , **S.G. Narkhede** , K.V. Pund , V.K. Murkute , S.P. Sarode , S.G. Talele, S.V. Ravikar, Systematic Review on Diabetes Mellitus from Epidemic to Pharmacotherapy : A Review , Inventi Rapid Molecular Pharmacology vol-2011.
3. N.S. Vyawahare , **S.G. Narkhede** , A. N. Avlaskar , M.A. Kahane B.R. Zope , K.V. Pund , S.V. Ravikar , V.K. Murkute , S.P. Sarode , Systematic Review on Emerging Need for Toxicity Testing of Herbal Drugs : A Review , Inventi Rapid Molecular Pharmacology vol-2011.
4. N. S . Vyawahare, **S. G. Narkhede** , V. K. Murkute , S. P . Sarode , K. V. Pund , M.A. Kahane , B. R . Zope , S. G. Talele , Review on Polyherbals in Management of Cardiovascular Disease:-An Ethnopharmacological Approach: A Review , Inventi Rapid Molecular Pharmacology.

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

1. Amruta Avalaskar, S. G. Narkhede Studies on *in vitro* antioxidant activity of ethanolic extract of *Ecbolium linneanum* kurz. (Acanthaceae), published in *Pharmacologyonline* 2: 79-84 (2010).
2. NS Vyawahare, S Narkhede, A Kotasthane Recent Advances In Deep Vein Thrombosis,- Inventi Rapid: Blood, 2011
3. **S. Narkhede**, A. Dube, R. Salian, D. Kaspate\*, U. Bartakke, A. Rao, P. Sainkar, P. Takudage, V. Takras, N. Pokalwar; To study chronic toxicity for polyherbal formulation Asian Journal of Pharmaceutical Research and Development October 2014; 42-52 (2014)
4. Dipti Kaspate\*, Dr. Tina Saldanha, **Swati Narkhede**, Bhagyashree Karmarkar, Karan Shah; Acute Oral Toxicity Of Sinapis Alba In Swiss Albino Mice; Asian Journal Of Pharmaceutical And Clinical Research; Vol 8, Issue 2, 2015.
5. Dr. T. Saldanha, D. Kaspate\* , B. Karmarkar, K. Shah, **S. Narkhede**; Evaluation of Antidepressant Activity of Ethanolic Extract Momordica charantia Unripen Fruit; International Journal of Pharmaceutical Sciences and Drug Research; 7(1): 68-71; 2015.
6. cerebroprotective and antioxidant effects of phoenix dactylifera against transient middle cerebral artery occlusion NS Vyawahare, RR Pujari, **S Narkhede** - **jpai.in**, Journal of Pharmaceutical Associations India JPAI, 2013, 1(1), 58-67
7. Sujata Taware, Neeraj Vyawahare\*, **Swati Narkhede**, Smita Pillewan, Sunil Bhalerao, Review on Hydroalcoholic Extract Of Fruit Of Terminalia Chebula Alleviate Diabetic Impotency In Alloxan Induced Male Diabetic Rats Inventi Rapid Ethnopharmacology.

8. GN Dakhale, S Chaudhari, S **Kolhe** The beneficial effect of vitamin c supplementation on serum lipids in type 2 diabetic patients: a randomized double blind study, *Int J Diabetes & Metab* (2012) 20:53-5
9. Kalpesh salunke, Rahul somani, swati kolhe, Estimation of Antilipidaemic activity of *Butea monosperma* by using Dexamethasone as an inducer in wistar rats, 2016, 6(6), 1233-1244.
10. 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,
11. Sandhyarani Anil Nikam, Swati U. Kolhe, Sachin V. Tembhurne, Preclinical evaluation of *Sesbania grandiflora* flower extract for antihyperlipidemic and antiobesity activity on experimental rats. *Journal of Drug Delivery & Therapeutics*. 2019; 9(3-s):537-543
12. Mayur 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.
13. Mayur Kale, Swati Kolhe, Sachin Tembhurne, Neuroprotective effect on scopalmine induced *Sesbania sesban* amnesia in wistar rats: Behavioral and biochemical study, *Asian Journal of Pharmacy and Pharmacology* 2018; 4(5): 657-661
14. Mayuri Shelar, Swati Kolhe, Sachin Tembhurne, chemoprotective effect of *buchanania lanzan* seed extract on toxicity of 5-fluorouracil induced hepatotoxicity in rats, 2019 JETIR June 2019, Volume 6, Issue 6 [www.jetir.org](http://www.jetir.org) (ISSN-2349-5162)
15. Mrunal M. Vaidya\*, Swati U. Kolhe and Sachin V. Tembhurne, evaluation of subacute oral toxicity induced by ethanolic extract of *dalbergia sissoo* leaves in experimental rats, *European Journal of Biomedical and Pharmaceutical sciences*, ISSN 2349-8870, volume 6, issue 6, XX-XX, Year: 2019.
16. 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
17. preclinical evaluation of ethanolic extract of *dalbergia sissoo* for female sexual dysfunction in experimental rats. Mrunal Vaidya, 2 Swati Kolhe, 3 Sachin Tembhurne, 2019 JETIR June 2019, Volume 6, Issue 6 [www.jetir.org](http://www.jetir.org) (ISSN-2349-5162),
18. chemoprotective effect of *buchanania lanzan* seeds extract on toxicity of cisplatin induced nephrotoxicity in rats, Mayuri V. Shelar\*, Swati U. Kolhe and Sachin V. Tembhurne, *European Journal of Biomedical and Pharmaceutical sciences*, *ejbps*, 2019, Volume 6, Issue 7, 263-267.
19. 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):296-30
20. 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, 2019 JETIR June 2019, Volume 6, Issue 6, 764-784.

21.Snehal R. Salve\*, **Swati Kolhe**, Pooja B. Kolase and Shweta Shirurkar, A **Review**on: Micrornasabiomarkers of myocardial infarction,World Journal of pharmacy and pharmaceutical sciences,SJIF Impact Factor 7.632 Volume 10, Issue 5, 878-893 Review Article ISSN 2278 – 4357.

22.Pratima Tambe , **swati kolhe** , shweta shirurkar , evaluation of Aphrodisiac activity of allium ampeloprasum on male rats , International journal of all research education and scientific methods, ISSN : 2455-6211 , volume 9 , issue 8 ,August -2021 , Impact factor -7.429 , 2423-2431.

23.Payal Pingale , **swati kolhe** ,preclinical evaluation of allium sativum , beta vulgaris , daucas carota ,citrus limon herbal juice mixture for antiobesity and antihyperlipidaemic activity on experimental rats ,International journal of all research education and scientific methods, ISSN : 2455-6211 , volume 9 , issue 8 ,August -2021 , Impact factor -7.429 , 2461-2469.

24.shweta shirurkar , **swati kolhe** , evaluation of nutritional supplementary herbal juice in phenyl hydrazine induced aneamia in wistar rats, International journal of all research education and scientific methods, ISSN : 2455-6211 , volume 9 , issue 8 ,August -2021 , Impact factor -7.429 , 2546-2554.

25.snehal salve, **swati kolhe**, evaluation of cardioprotective effect of cinnamaldehyde in a prevention of myocardial infarction in wistar rats , International journal of all research education and scientific methods, ISSN : 2455-6211 , volume 9 , issue 8 ,August -2021 , Impact factor -7.429 , 268-276.

26.Shweta shirurkar , **swati kolhe** , snehal salve ,A Review on prevention and treatment of pregnancy anaemia ,International journal of all research education and scientific methods, ISSN : 2455-6211 , volume 9 , issue 8 ,August -2021 , Impact factor -7.429 , 894-904.

27.Payal pingale , **swati kolhe**, **Review**antiobesity activity study of polyherbal formulation on sulpride induced obese rats „World Journal of pharmacy and pharmaceutical sciences,SJIF Impact Factor 7.632 Volume 10, Issue 5, 878-893 Review Article ISSN 2278 – 4357, .

28.Pooja kolse , **swati kolhe** , A **review** on establishing natural medicinal plants as Nootropics by treating ,learning and memory impairment ,World Journal of pharmacy and pharmaceutical sciences,SJIF Impact Factor 7.632 Volume 10, Issue 5, 878-893 Review Article ISSN 2278 – 4357, 632-664.

29.Apurva Pawar , Shradhha kamthe , Swati kolhe, Nicotine induced erectile dysfunction and herbal drugs for treating erectile dysfunction in male albino wistar rats , International journal of creative research thoughts ( IJCRT ) , volume 9 , Issue 12,,ISSN : 2320-2882.,154-161. ( Review .IF 7.9)

30.Swati kolhe , Aanam bagwan , Nishigandha Yadav ,Evaluation of Nootropic activity of polyherbal formulation by using object recognition test and reversal of Diazepam induced amnesia by using Y Maze , Journal of emerging technologies and innovative research ( JETIR ), volume 9 , issue 4 , April 2022, ISSN 2349-5162,608-614. ( Review).

31.Swati kolhe , Nishigandha yadav ,vidhi dagde ,Assessment of lethal effects of polyherbal formulation ,NOVYI MIR Research journal ,volume 7 ,issue 5,2022, ISSN NO. 0130-7673 ,66-79. ( Review)

32.Shradhha kamthe , swati kolhe , Apurva pawar,Female sexula dysfunction : overview,NOVYI MIR Research journal ,volume 7 ,issue 5,2022, ISSN NO. 0130-7673, 1-8.(impact factor 6.1)33.Nikita kedari ,

Swati kolhe , Nisha satpute ,Toxicity of some herbal medicine ; need of toxicity testing and safety of herbal medicine , International journal of creative research thoughts ( IJCRT ) , volume 9 , Issue 12,,ISSN : 2320-2882.,154-161. ( Research publication ..Impact factor 7.9 )

33.Aanam bagwan , Swati kolhe,A Review ; Neuropharmacology screening models , International journal of all research education and scientific methods ( IJARESM ),Volume 10, issue 3,March 2022, 1192-1196. ( Review -impact factor 7.429.)

34.Swati kolhe , Nikita kedari , Preclinical evaluation of hepatoprotective activity of polyherbal formulation containing piper longum,allium sativum, pterocarpus marsupium on drug induced hepatotoxicity wistar rat , science , technology and development , volume XI ,issue VI, june 2022,ISSN 0950-0707,240-261.Research publication ..Impact factor 7.9 )

35. Pallavi shirsath ,Swati kolhe , Antiamnesic effect of mesua ferra flowers on scopolamine induced memory impairment and oxidative stress in rats ,Advances in traditional medicine , 21 june 2022 , springer , 13596-022-00654. .Research publication ..Impact factor 1.9 )Swati kolhe , Apurva pawar , Evaluation of polyherbal formulation containing anacyclus pyrethrum, tinospora cardifolia and tribulus terrwstris for its Aphrodisiac activity in nicotine induced erectile dysfunction male wistar rats, science , technology and development , volume XI ,issue VI, june 2022,ISSN 0950-0707,585-595 ,Research publication ..Impact factor 7.9 )

36.Lad Swapnil, Kolhe Swati, Devade omkar, Patil Chetashri, Nalawade Rohit, Mansabdar Asawari,Hyperlipidemia: A review of Literature (Research Journal of Pharmacology and Pharmacodynamics;Vol. 15; issue 03; page no. 127-132 ,0975-4407 (Print); 2321-5836 (Online) ( Review Article )

37.Lad Swapnil, Kolhe Swati, Devade omkar, Patil Chetashri, Nalawade Rohit, Rode Manthan,A review on medicinal properties on Colocasia esculenta (Research Journal of Pharmacology and Pharmacodynamics;Vol. 15; issue 03; page no. 144-148,0975-4407 (Print); 2321-5836 (Online)( Review Article)

38.Lad Swapnil,Kolhe Swati, Evluation of antihyperlipidemic potential of aqueous corm extract of colocasia esculenta in experimental model of Rats, Pharmacological research modern chinese medicine, VOL 9, 2023 pg. No. 1-8,2667-1425 ( Research Paper) UGC APPROVED Impact factor 0.6

.39.Swati Kolhe, Mohd Javed Naim, Sanjay Bhawar, 'A Review on: Establishing Natural Medicinal Plants as Nootropics for Treating Learning and Memory Impairment,' World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 10, Issue 5, Review Article, SJIF, ISSN 2278–4357, pp. 632-664.( Review Article) UGC APPROVED

40.Swati U. Kolhe, Dr. Sanjay Bhawar, 'Aggregation of Misfolding Protein as the Hallmark of Neurodegenerative Disease,' Science, Technology, and Development, Volume XI, Issue VI, June 2022, ISSN: 0950-0707, pp. 900-908.( Review Article) UGC APPROVED

41..Swati U. Kolhe, Dr. Sanjay Bhawar, 'Evaluation of Nootropic Activity of Polyherbal Formulation Against Scopolamine-Induced Amnesia in Rats,' Ilkogretim Online - Elementary Education Online, 2021; Vol. 20 (Issue 6), pp. 4458-4466.( Research Paper)UGC APPROVED

42..Swati U. Kolhe, Dr. Sanjay Bhawar, 'Evaluation of Neuroprotective Effect of Polyherbal Formulation as a Memory Enhancer Against Scopolamine-Induced Amnesia in Rats,' BioGecko, Vol. 12, Issue 01, 2023, ISSN: 2230-5807, pp. 596.( Research Paper)UGC APPROVED

43. Swati U.Kolhe, Vrushali Dongre, Pharmacological screening of heartwood of *Pterocarpus marsupium* Roxb in stress induced neurobehavioral changes in albino Wistar rat, Brain disorders, volume 17, March 2025,Pp.1-10( scopus )

#### PRESENTATIONS:

1. S Ravikar, Dr. N S Vyavahare, Dr. A D Kshirsagar, Mrs. **S G Narkhede**, Evaluation of *Calotropis gigantea* flower R.Br effect against INZ+RPM induced hepatotoxicity in rats, in ICMR, New Delhi two days National Conference on “Preclinical Pharmacology: conventional to In-silico” organized by Pravara Rural Education Society’s, Pravara Rural College Of Pharmacy, Pravaranagar, Loni, 27-28<sup>th</sup> Dec, 2009, (First prize winner poster)
2. V Murkute, Dr. N S Vyavahare, Dr. A D Kshirsagar, **S G Narkhede**, Hepatoprotective activity of *Calotropis gigantea* against D-Galactosamine induced hepatitis in rats, International seminar on ‘Recent development in Pharmacological Research’, Pravara Nagar, College of Pharmacy Pravaranagar, 3-5<sup>th</sup> March 2010.
3. M Kahane, Dr. N S Vyavahare, Dr. A D Kshirsagar, **S G Narkhede**, Evaluation of a polyherbal preparation on Freund’s adjuvant induced arthritis in wistar rats, International Seminar on ‘Recent development in Pharmacological Research’ Pravara Rural College of Pharmacy, Pravaranagar, 3-5<sup>th</sup> March 2010.
4. P Sharma, **S G Narkhede**, Dr. N S Vyavahare, Dr. A D Kshirsagar, Evaluation of nootropic activity of fruit extract & wound healing activity of seed extract of *benincasa hispida* in albino Rats, in 61<sup>st</sup> Indian Pharmaceutical Congress, 2009, Ahmedabad
5. V Thorve, Dr. N S Vyavahare, Dr. A D Kshirsagar, **S G Narkhede**, Evaluation of neuroprotective effect of methanolic extract of *Phoenix dactylifera* against cerebral ischemia in rats, in Avishkar, Sinhagad College of Pharmacy, 2009.6) Meghana mokashi,PritamTawre,Mrs.Swati Kolhe,Immunomodulator activity of Protocatechic acid on humoral cell mediated immunity and in cyclophosphamide induced myelosuppression in rat,Synapse,One day state level seminar,14/10/2016.
6. Prajakta thombre,Pooja yeole,Swati kolheEvaluation of nootropic activity of polyherbal formulation on laboratory animals,Synapse,One day state level Seminar,14/10/2016
7. Swati kolhe ,suchitra rane,Prathmesh gunjal,Akshay Kale,Evaluation of possible anticonvulsant activity of Polyherbal Formulation,One day state level Seminar,14/10/2016
8. Pradip s.Koli,Swati Kolhe,Rakshita Salian,Study of Nootropic activity of some herb Drug combinations in Laboratory animals ,2<sup>nd</sup> international congress of Society for ethanopharmacology,Nagpur.
9. Pallavi Shirsat,Snehali Bhange,swati Kolhe,Sociability Cage : A Novel Approach in assessing social Memory.

10. Swati Kolhe, INNOVATION-17, Study of Nootropic activity of an indigenous plant in experimental animals, Savitribai Phule Pune University, Pune. (Oral Presentation)



## 11. WORKSHOPS / SEMINARS/REFRESHER COURSE ATTENDED:

1. AICTE sponsored Quality Improvement Programme, at Bharti Vidyapeeth University, Poona College of Pharmacy, Erandwane, Pune, December 2009
2. One day national seminar on clinical research: A new avenue for pharmacist sponsored by ICMR, New Delhi & organized by Modern College of Pharmacy, Nigdi, Pune, on 4<sup>th</sup> September, 2010
3. Innovations in life science research and education, organized by industry institute partnership cell (IIPC), Poona college of pharmacy, Pune, June 2010.
4. one day work shop on prevention of sexual harassment to women at work place, organized by krantidevi savitribai phule womens education cell Spp university, pune cell, National level, 2014
5. Innovations in life science research and education, organized by industry institute partnership cell (IIPC), Poona college of pharmacy, Pune, June 2010.
6. Annual National Convention of Association of Pharmaceutical Teachers of India, Pune, 28<sup>th</sup>-30<sup>th</sup> Nov, 2014. one day work shop on prevention of sexual harassment to women at work place, organised by krantidevi savitribai phule womens education cell, spp university, pune, 2014.
7. QbD in formulation development, AISSMS College of Pharmacy, Pune, 21st & 22nd January 2015.
8. A study of nootropic activity of some herb drug combinations in laboratory animals IPC 66<sup>th</sup>, Hitex City, Hyderabad, 23<sup>rd</sup> – 25<sup>th</sup> Jan, 2015.
9. Pharmacotherapy for Cerebral Ischaemia, Indira College Of Pharmacy, Pune, 6<sup>th</sup> - 7<sup>th</sup> Feb 2015.
10. A study of nootropic activity of some herb drug combinations in laboratory animals, Ethnopharmacology, Department Of Pharmaceutical Sciences, Nagpur, 20-22 Feb, 2015
11. 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 31<sup>st</sup> January 2016.
12. Two Days National Level Seminar on Insights of accreditation process for affiliated colleges, AISSMS College of Pharmacy Pune, by AISSMS College of Pharmacy Pune on 2 June 2018.
13. Two Days National Level Seminar on In vitro In vivo correlation, AISSMS College of pharmacy, SPPU, 17-18 Jan 2019