

Dr. Vandana Shamrao Nade

Asso. Professor and Head
Department of Pharmacology,
M. V. P. Samaj's College of Pharmacy,
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Personal Profile

Date of Birth : 24th October, 1980

Sex : Female

Marital Status : Married

Nationality : Indian

Educational Profile

Ph. D. : **Year of award:** 2012

Thesis title: Neuropharmacological Evaluation of Some
Indigenous Medicinal Plants

University: Shivaji University, Kolhapur.

Discipline: Pharmacy

M. Pharm. : Pharmacology

Class obtained: First Class (67.3 %)

Year of Passing: 2003

University: Bharati Vidyapeeth Deemed University,
Pune

B. Pharm. : **Class obtained:** First Class (71.0 %)

Year of Passing: 2001

University: Shivaji University, Kolhapur.

Teaching Experience

: 16 years approved by University of Pune and
Directorate of Technical Education, Mumbai.

1. **Institute** : M.V.P. Samaj's College of pharmacy, Nashik.

Period : 20th June 2005 to till date for
B. Pharm and M. Pharm course.

Designation : Asst. Professor in Pharmacology (Selection grade).

2. **Institute** : Bharati Vidyapeeth College of Pharmacy, Kolhapur.

Period : 1st Aug 2003 to 19th June 2005 (1 year 10 months)

for B. Pharm course.

Designation : Lecturer in Pharmacology.

Research Profile

Research projects

Total amount of research grant received: 52, 86,000/-

| Sr. No. | Name of funding agency | Name of the scheme | Title of the research project | Year of funding | Amount sanctioned (Rs.) | Status |
|----------------|--|-------------------------------|---|------------------------|--------------------------------|---------------|
| 1 | Science and Engineering Research Board (SERB), New Delhi. | Young Scientist | Pharmacological evaluation of some medicinal plants for antihypertensive and antidiabetic activities: Isolation and characterization of bioactive principles. | 2013 | 22,86,000/- | Completed |
| 2 | All India Council for Technical Education (AICTE), New Delhi | MODROB | Modernization and removal of obsolete of Pharmacology Department | 2013 | 16,50,000/- | Completed |
| 3 | BCUD, University of Pune | Minor research project | Exploration of human umbilical cord blood cells for neurodegenerative disorders | 2013 | 2,00,000/- | Completed |
| 4 | All India Council for Technical Education (AICTE). New Delhi | RPS-B | Development of herbal medicines for neurodegenerative disorders | 2008 | 10,00,000/- | Completed |
| 5 | University of Pune BCUD | Minor research Project | Identification of lead molecules from indigenous medicinal plants | 2008 | 1,50,000/- | Completed |

Ph. D. Students Completed/ awarded : 01

Ph. D. Students Registered: 02

M. Pharmacy Students Guided: 41

Research areas: Neuropharmacology, Cardiovascular Pharmacology, Vascular pharmacology, Metabolic syndrome and its complications, Toxicology, Stem cell applications.

Expert in: Preclinical and Clinical Pharmacology, Toxicology, Pharmacovigilance, Ethical issues in Clinical and Preclinical Research.

Text Book Published: Practicals of Human Anatomy and Physiology. First edition. ISBN-978-93-82322-18-4 (Career Publication), 2014.

Research Publications:

Papers Published: 39.

1. Nade VS, Tajanpure AB, Kawale LA. (2021). Liriodendrin, ameliorates hypertension by calcium channel blockade and enhancing eNos expression in wistar rats. *Cardiometry*. 20; 47-59.
2. Nade VS, Lajurkar SV, Jadhav VH, Kawale LA. (2021). Neuroprotective effect of Morin hydrate and gemigliptin against parkinson's disease. *British Journal of Pharmaceutical and Medical Research*. 1(6); 2955-2972.
3. Nade VS, Tajanpure AB. (2020). Phytoanalytical characterization of Liriodendrine in punarnava root extract with modern analytical techniques. *International Journal of all research education and scientific methods*. 12 (8); 958-966.
4. Kawale LA, Nade VS, Deshmukh R, Dumbare MR. (2020). Synthesis and oral hypoglycemic activity of some new sulphonyl linkage Thiazolidine-2, 4-diones. *Int. J. Pharm. Sci. Drug Res*. 12(6):598-606.
5. Nade VS, Ruikar AN. (2020) Prevalence of psychological disorders with presence of comorbidities during COVID-19 outbreak in the population of Maharashtra State: A Correlational Study. *International Journal of Research and Review*. 7 (11), 465-476.
6. Nade VS, Mardhekar VY, Bhoje UR, Kawale LA. (2020). Investigation of the neuroprotective effect of Linagliptin and Celiprolol in Reserpine-induced orofacial dyskinesia and Rotenone-induced neurodegeneration in rats. *International Journal of Current Pharmaceutical Research*. 12(1),63-71.

7. Nade VS, Lajurkar SV, Bhoir P, Kardus NA. (2019). Current status and novel strategies for prevention and treatment of Parkinson's disease. World Journal of Pharmaceutical Research. 8 (3), 452-466.
8. Dumbare M, Kawale LA, Nade VS, Deshmukh R. (2018). Review article on Thiazolidine-2,4-Diones as insulin sensitizing agent. International Journal of Pharmacotherapy. 8(2), 39-53.
9. Dumbare M, Kawale LA, Nade VS, Deshmukh R. (2017). Thiazolidine-2,4-diones: an update review of antidiabetic agents. International research journal of pharmacy.8 (12), 12-29.
10. Dumbare M, Kawale LA, Nade VS, Deshmukh R. (2016). Review on Diabetes Mellitus. International journal of Pharmacotherapy. 6 (1), 24-45.
11. Nade VS, Dharmadhikari PP, Kawale LA. (2015). Anti-fibrotic effect of Irbesartan *via* attenuation of endoplasmic reticulum stress in isoprenaline-induced myocardial fibrosis. International journal of Pharmacology and Clinical Science. 4(4), 76-82.
12. Nade VS. Kawale LA. Zambre SS. Kapure AB. (2015). Neuroprotective potential of *Beta vulgaris* L. in Parkinson's disease. Indian Journal of Pharmacology. 47 (4), 403-408.
13. Nade VS, Kawale LA, Shah SV, Dharmadhikari PP. (2015). Neuroprotective effect of PPAR- γ agonist in Parkinson's disease. International Journal of Pharmacology and Toxicology. 5 (2). 118-124.
14. Nade VS, Kawale LA, Dharmadhikari PP. (2015). Sodium valproate attenuates doxorubicin-induced myocardial fibrosis via collagen synthesis regulation by inhibition of histone deacetylase. International Journal of Pharmacology and Toxicology.5 (2). 135-140.
15. Nade VS. Kawale LA. Patel KM. (2015). Protective effect of sitagliptin and rosuvastatin combination on vascular endothelial dysfunction in type-2 diabetes. Indian Journal of Pharmaceutical sciences.77 (1) 96-102.
16. Nade V S. Kawale LA. Valte KD. Shendye NV. (2015). Cognitive enhancing effects of angiotensin converting enzyme inhibitors and angiotensin receptor blockers in learning and memory. Indian Journal of Pharmacology.47 (3),263-269.

17. Nade VS, Kawale LA, Tajanpure AB. (2015). Antihypertensive Potential of *Boerhaavia Diffusa* L. In Adrenaline-Induced Hypertensive Model. International Journal of Experimental Pharmacology. 1 (5): 24-30.
18. Nade VS, Kawale LA, Khatri ML, Dharmadhikari PP, Pagare PP, Tajanpure AB. (2015). Modulation of stress by *Boerhaavia Diffusa* in sleep deprivation stress and cold restraint stress models. Journal of Pharmaceutical Biology. 5 (2), 117-123.
19. Nade VS, Kawale LA. (2015). Targeting serotonergic pathway for anti-amnesic activity by *Morus alba* L. International Journal of Pharmaceutical Sciences and Drug Research. 7(1): 27-32.
20. Nade VS, Kawale LA, Zambare SS, Dharmadhikari PP, Pagare PP. (2014). Ameliorative Effect of Nebivolol in Parkinson's disease. American Journal of Pharmacology and Pharmacotherapeutics. 2014; 1(3): 116-126.
21. Nade VS, Kawale LA, Shendye NV. (2014). Ameliorative effect of Resveratrol on HPA axis modulated chronic restraint stress in rats. International Journal of Experimental Pharmacology. 4, (2):132-139.
22. Nade VS. Kawale LA. Shendye NV. Patil NR. (2014). Protective effect of Nebivolol on aluminium-induced neurobehavioral and biochemical alterations in rats. International Journal of Pharmacy and Pharmaceutical Sciences. 6(7), 386-391.
23. Nade VS, Kawale LA, Deshmukh PS, Patil YK. (2014). Protection against endothelial dysfunction by Pioglitazone and Irbesartan in fructose-fed diabetic rats. International Journal of Pharmaceutical Development and Technology. 4(3), 197-203.
24. Nade VS. Kawale LA. Deshmukh PS. Zambare SS, Wale YB. (2014). Amelioration of Endothelial Dysfunction Associated with Diabetes Mellitus and Hypertension by Etoricoxib, Lornoxicam and Allopurinol. International Journal of Pharmaceutical Sciences and Drug Research. 6(2), 132-136.
25. Nade VS. Shendye NV. Kawale LA. Patil NR, Khatri ML. (2013). Protective effect of nebivolol on reserpine induced neurobehavioral and biochemical alterations in rats. Neurochemistry International. 63 (4), 316-321.
26. Nade VS. Kawale LA, Bhangale SP, Wale YB. (2013). Cardioprotective and antihypertensive potential of *Morus alba* L. in Isoproterenol - induced

- myocardial infarction and renal artery ligation-induced hypertension. *Journal of Natural remedies*. 13 (1), 55-67.
27. Nade VS, Kawale LA, Patel KM, Todmal UB. (2012). Effect of Bromocriptine on cardiovascular complications associated with type II diabetes. *Indian Journal of Pharmacology*. 44 (6), 688-693.
 28. Nade VS, Kawale LA, Choudhary RS, Patel KM. (2012). Metformin and Pioglitazone ameliorate cardiovascular complications associated with metabolic syndrome. *Inventi Rapid-Molecular Pharmacology*. Issue 2.
 29. Nade VS, Kawale LA, Kanhere SV, Yadav AV. (2011). Cognitive enhancing and antioxidant activity of ethyl acetate soluble fraction of methanol extract of *Hibiscus rosa sinensis* in scopolamine-induced amnesia. *Indian Journal of Pharmacology*. 43(1), 6-12.
 30. Nade VS, Kawale LA, Yadav AV. (2010). Protective effect of *Morus alba* leaves on haloperidol-induced orofacial dyskinesia and oxidative stress. *Pharmaceutical Biology*. 48(1), 17-22.
 31. Nade VS, Yadav AV. (2010). Anti-stress effect of ethyl acetate soluble fraction of *Morus alba* L. in chronic restraint stress. *Pharmaceutical Biology*. 48 (9), 1038-1046.
 32. Nade VS, Kawale LA, Dwivedi S, Yadav AV. (2010). Neuroprotective effect of *Hibiscus rosa sinensis* in an oxidative stress model of cerebral post-ischemic reperfusion injury in rats. *Pharmaceutical Biology*. 48(7), 822-827.
 33. Nade VS, Yadav AV. (2010). Protective role of *Hibiscus rosa sinensis* L. in aluminium-induced neurotoxicity and oxidative stress. *Journal of Natural Remedies*. 10(2), 136-143.
 34. Pawar AY, Derle DV, Gandhi PP, Nade VS, Patel JS. (2010). *In vitro* and *in vivo* characterization of a novel biocompatible implant system for the sustained delivery of Ciprofloxacin Hydrochloride. *Journal of Pharmacy Research*. 3(9), 2122-6.
 35. Nade VS, Dwivedi S, Kawale LA, Upasani CD, Yadav AV. (2009). Effect of *Hibiscus rosa sinensis* on reserpine-induced neurobehavioral and biochemical alterations in rats. *Indian Journal of Experimental Biology*. 47. 559-563.
 36. Nade VS, Kawale LA, Naik RA, Yadav AV. (2009). Adaptogenic effect of *Morus alba* on chronic footshock-induced stress in rats. *Indian Journal of Pharmacology*. 41(6), 246-251.

37. Nade VS. Kawale LA. Dwivedi S. Yadav AV. (2009). Neuropharmacological evaluation of *Hibiscus rosa sinensis* roots in experimental animals. Journal of Natural Remedies. 9(2). 142-151.
38. Yadav AV. Nade VS. (2008). Antidopaminergic effect of methanolic extract of *Morus alba* L. leaves. Indian Journal of Pharmacology. 40(5), 221-226.
39. Yadav AV. Kawale LA. Nade VS. (2008). Effect of *Morus alba* L (Mulberry) leaves on anxiety in mice. Indian Journal of Pharmacology. 40(1), 32-36.

Patents: 03

1. **Title** : Quantitative estimation of soluble collagen from myocardial tissue using modified micro Lowery method.

Authority : Government of India.

Application no : 4054/MUM/2014

Filling Date : 17/12/2014

2. **Title** : Use of *Morus alba* in depressive disorder.

Authority : Government of India.

Application no : 1225/MUM/2009

Filling Date : 27/05/2009

2. **Title** : Use of *Hibiscus rosa sinensis* extract in cognitive dysfunction.

Authority : Government of India.

Application no: 1175/MUM/2009

Filling Date : 05/05/2009

Presentations

Papers presented at national level conferences: 10

Professional Experience

Refresher Course Attended: 10 weeks.

| Period | Institute | Title |
|---|-------------------------------------|-------------------------------------|
| 28/02/2022 to 04/03/2022 (QIP approved by DTE) | Govt. College of Pharmacy, Karad | Applications of spectroscopy and |

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| | | chromatography in structural elucidation |
| 07/11/2022-11/02/2022 (QIP approved by DTE) | Govt. College of Pharmacy, Ratnagiri | Conventional To Virtual Teaching: The Paradigm Shift. |
| 20/04/2020 to 17/05/2020 (4 weeks online) | Dept of Pharmacy Govt Polytechnic Jalgaon | Tools for online teaching learning |
| 20/04/2020 to 06/05/2020 (4 weeks online) | Ramanujan College Delhi University, New Delhi | Managing online classes and co-creating MOOCS |
| 13/07/2020 to 18/07/2020 AICTE sponsored STTP | Smt. Kishoritai Bhoyar, College of Pharmacy, Nagpur | Orientation and pedagogy for curriculum: Good teaching practices |
| 25-3-2019 to 29-3-2019 (NITTR, Bhopal) | Government polytechnic, Nashik | Entrepreneurship development and industry institute partnership |
| 09.11.2019 | Swayam online course certification | Managing learning resources |
| 10.11.2019 | Swayam online course certification | Redefining laboratory instruction using virtual laboratory |
| 10.11.2019 | Swayam online course certification | OER for empowering teachers |
| 16.02.2020 | Swayam online course certification ARPIT | Online Refresher Course in Pharmacy for Higher Education |
| 21/11/2015 to 30/11/2015 (Approved by ISTE and sponsored by TEQIP-II) | Govt. College of Engineering, Karad | Advanced Research Thrust Areas in Engineering and science |
| 11/05/2015 to 15/05/2015 (TEQIP) Phase II | Govt. College of Engineering, Karad | Recent Trends in Material science for Engineering and Technology |
| 7/11/2011 to 19/11/2011 (AICTE Sponsored) | MVPS College of Pharmacy, Nashik | Advanced Experimental Techniques in |

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|---|-------------------------------------|---|
| | | Pharmaceutical Chemistry |
| 03/05/2010 to 07/05/2010 (NITTR, Bhopal) | MVPS College of Pharmacy, Nashik | NBA Accreditation, Institution Building, Performance Appraisal & Staff Development |
| 05/05/2008 to 17/05/2008 (AICTE Sponsored) | Govt. College of Pharmacy, Karad | Applications of High Performance Liquid Chromatography: Bench to Bed |
| 19/05/2008 to 30/05/2008 (NITTR, Bhopal) | Govt. Polytechnic Nashik | Induction Training Program Phase -1 |

❖ **Life member of Indian Pharmacological Society.**

Dr. Nade Vandana S.