

DR. VANDANA SANJEEV PANDA

Designation	Associate Professor
Date of Joining	01.01.1995
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EDUCATIONAL QUALIFICATION

Degree	Specializations	Awarding University	Awarded Year
Ph.D. (Tech)	Pharmacology	University of Mumbai	2008
M. Pharm	Pharmaceutical Chemistry	Bombay University	1992
B. Pharm	Pharmaceutical Sciences	Bombay University	1989

COURSES TAUGHT

Class	Semester	Subject code	Name of the subjects
First Year B. Pharm	I	BP101T	Human Anatomy and Physiology I (Theory)
	I	BP107P	Human Anatomy and Physiology I (Practical)
	II	BP201T	Human Anatomy and Physiology II (Theory)
	II	BP207P	Human Anatomy and Physiology II (Practical)
Second Year B. Pharm	IV	BP404.T	Pharmacology II Theory
	IV	BP408P	Pharmacology-I (Practical)
Third Year B. Pharm	V	BP503T	Pharmacology-II (Theory)
	V	BP507 P	Pharmacology-II (Practical)
	VI	BP602T	Pharmacology-III (Theory)
	VI	BP608P	Pharmacology-III (Practical)
Final Year B. Pharm	VII	BP703T	Pharmacy Practice (Theory)
	VII	BP706P	Practice School
	VIII	BP802T	Social and Preventive Pharmacy
	VIII	BP813PW	Project Work
M. Pharm Pharmacology Branch	I	MPL 102T	Advanced Pharmacology I (Theory)
	I	MPL 103T	Pharmacological & Toxicological Screening Methods (PTSM I)
	II	MPL 201T	Advanced Pharmacology I (Theory)
	II	MPL 202T	PTSM II

RESEARCH STUDENT GUIDED/ONGOING

Degree	Specialization	Ongoing	Completed
Ph..D (Tech)	Pharmacology	NA	NA
M. Pharm	Pharmacology	04	26

AREA OF RESEARCH

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INDUSTRY PROJECTS

Title of the projects	Amount in INR (Lakhs)	Funding	Status
Authorization of PSUR reports	0.33	Ciron Drugs and Pharmaceuticals Ltd.	Complete
Evaluation of antidiabetic effect of Nishamalaki extract against STZ and high fat diet induced insulin resistance in rats	1.1	Pharmanza Herbal Pvt. Ltd	Complete
Subchronic toxicity study of the Nishamalaki extract	2.5	Pharmanza Herbal Pvt. Ltd	Complete

Evaluation of some functional foods in sarcopenia	3.5	Pharmanza Herbal Pvt. Ltd	Complete
Evaluation of wound healing activity and anti-aging pharmacology of the Nishamalaki extract in cutaneous wounds	2.78	Pharmanza Herbal Pvt. Ltd	Complete
Pharmacological evaluation of antiobesity effect of triphala and <i>Garcinia indica</i> in a high fat diet fed rat model	1.0	Pharmanza Herbal Pvt. Ltd	Complete
Quantification of Citrus Bioflavanoid from Wellmann Capsule	0.33	Meyer Organics Pvt. Ltd.	Complete
Acute Toxicity Studies of polyherbal extracts	0.38	Cira Herbals Pvt. Ltd.	Complete
Evaluation of antiarthritic activity of some herbal extracts	4.466	Cira Herbals	Complete
Effect of extracts on milk-induced eosinophilia and leukocytosis in mice (Minor)	0.63	Cira Herbals	Complete
Effect of extracts on compound 48/80 (C 48/80) induced mast cell degranulation in rats (Major)	0.99	Cira Herbals	Complete

LIST OF PUBLICATIONS

1. Shirodkar PY, Sapre VG. Synthesis and antimicrobial activity of some substituted salicylanilides. *Indian Drugs*. 1992; 29(8): 338-39.
2. Natarajan A, Sapre V, Hadkar UB, Shirodkar PY. The correlation of pKa with biological activity of substituted salicylanilide derivatives. *Indian Drugs*. 1992; 29(12): 545-52.
3. Naik SR, Panda VS, Pilgaonkar VW. Neuropharmacological evaluation of *Ginkgo biloba* Phytosomes in rodents, *Phytotherapy Research*. 2006; 20(10): 901-905.
4. Naik SR, Panda VS, Pilgaonkar VW. Evaluation of antioxidant activity of *Ginkgo biloba* phytosomes in rat brain. *Phytotherapy Research*. 2006; 20(11): 1013-1016.
5. Naik SR, Panda VS. Antioxidant and hepatoprotective effects of *Ginkgo biloba* phytosomes in carbon tetrachloride-induced liver injury in rodents. *Liver International*. 2007; 27(3): 393-399.
6. Fernandes NPC, Lagishetty CV, Naik SR, Panda VS. An experimental evaluation of the antidiabetic and antilipidemic properties of a standardized *Momordica charantia* fruit extract. *BMC Complementary and Alternative medicine*. 2007; 7:29.
7. Naik SR, Panda VS. Cardioprotective activity of *Ginkgo biloba* Phytosomes in isoproterenol-induced myocardial necrosis in rats : A biochemical and histoarchitectural evaluation. *Experimental and Toxicologic Pathology*. 2008; 60 (4,5): 397- 404.
8. Naik SR, Panda VS. Hepatoprotective effect of Ginkgoselect Phytosome® in rifampicin induced liver injury in rats: evidence of antioxidant activity. [Fitoterapia](#). 2008; 79(6):439-445.
9. Naik, SR, Panda VS. Cardioprotective Activity of Polyherbal Extracts in Experimental Myocardial Necrosis in Rodents: An Evidence of Antioxidant Activity. *Journal of Complementary and Integrative Medicine*. 2008; Vol. 5 : Iss. 1, Article 35.
10. Naik SR, Panda VS. Evaluation of cardioprotective activity of *Ginkgo biloba* and *Ocimum sanctum* in rodents. *Alternative Medicine Review*. 2009; 14(2):161-171.

11. Velingkar VS, Desai SM, Panda VS. Pharmacological evaluation of some novel analogs of (\pm)-2-(4-Isobutylphenyl) propionic acid for analgesic and anti-inflammatory activity and ulcerogenicity. *Indian Drugs*. 2011; 48(05):51-55.
12. Doshi GM, Aggarwal GV, Martis EA, Shanbhag PP, Shastri KV, Agrawal OK, Panda VS. Antibiotics from marine organisms. *Deccan Journal of Medicinal Chemistry*. 2011; 2(3):11-32.
13. Vinay. S. Velingkar, Deepa. M. Desai and Vandana. S. Panda. Synthesis, characterization, computational ADME studies, pharmacological screening and in-vitro hydrolysis studies of potential novel mutual prodrugs of N-(2,3-xyllyl anthranillic acid). *International Journal of Drug Design and Discovery*. 2011; 2(3):548-55.
14. Panda VS, Khambat PD, Patil SR. Mitocans as novel agents for anticancer therapy: An overview. *International Journal of Clinical Medicine*. 2011; 2:515-529.
15. Vandana Panda, Madhav Sonkamble and Swati Patil. Wound healing activity of *Ipomoea batatas* tubers (sweet potato). *Functional Foods in Health and Disease*. 2011;10:403-415.
16. Vandana Sanjeev Panda and Hardik Dipakkumar Ashar. Antioxidant and hepatoprotective effects of *Garcinia indica* fruit in carbon tetrachloride-induced liver injury in rodents. *Journal of Food Biochemistry*. 2012; 36: 240-247.
17. Vandana Panda, Madhav Sonkamble. Anti-ulcer activity of *Ipomoea batatas* tubers (sweet potato). *Functional Foods in Health and Disease*. 2012; 2(3):48-61.
18. Vandana Panda, Madhav Sonkamble. Phytochemical constituents and pharmacological activities of *Ipomoea batatas* l. (Lam) – A review. *International Journal of research in Phytochemistry and Pharmacology*. 2012; 2(1): 270-279.
19. Vandana S. Panda, Kirtika H. Asrani, Hardik D. Ashar, Ajay Semalty, Mona Semalty. Herbal Drugs in Chronic Fatigue Syndrome: An Overview. *Schweiz Z Ganzheitsmed (Swiss J Integrative Medicine)*. 2012; 24: 155-168.
20. Vandana Panda, Hardik Ashar, Sudhamani Srinath. Antioxidant and hepatoprotective effect of *Garcinia indica* fruit rind in ethanol-induced hepatic damage in rodents. *Interdisciplinary Toxicology*. 2013; 5(4): 207-213.
21. Vandana Panda, Hardik Ashar, Anita Sharan. Antioxidant and hepatoprotective effects of *Garcinia indica* fruit rind in anti-tubercular drugs-induced liver injury in rats. *Botanics: Targets and Therapy*. 2013; 3: 29-37.
22. Vandana Panda, Prashant Khambat. Evaluation of antacid activity of *Garcinia indica* fruit rind by a modified artificial stomach model. *Bulletin of Environment, Pharmacology and Life Sciences*. 2013; Vol 2 (7) : 38- 42.
23. Vandana Sanjeev Panda, Prashant Dhondiraj Khambat. In vivo anti-inflammatory activity of *Garcinia indica* fruit rind (Kokum) in rats. *Journal of Phytopharmacology*. 2013; 2 (5): 8-14.
24. Vandana Panda, Tejas Thakur, Yuti Desai. Anti-inflammatory activity of the inflorescence of *Typha elephantina* (cattail) in rats. *Natural Products An Indian Journal*. 2014; 10 (2): 53-60.
25. Vandana Panda, Tejas Thakur. Wound healing activity of the inflorescence of *Typha elephantina* (Cattail). *International Journal of Lower Extremity Wounds*. 2014; 13 (1): 50-57.

26. Vandana Panda, Pravin Kharat, Swetha Suresh, Sudhamani Srinath. Hepatoprotective effect of *Macrotyloma uniflorum* seeds (horse gram) in carbon tetrachloride-induced liver toxicity in rats: evidence of an underlying antioxidant activity. *Drug Discovery and Development*. 2014; 1(1): 35-45.
27. Vandana Panda, Sonal Kamble, Yuti Desai and S. Sudhamani. Antioxidant and cardioprotective effects of *Garcinia indica* (kokoberry), an Indian super fruit in isoproterenol induced myocardial necrosis in rats. *Journal of Berry Research*. 2014; 4: 159-174.
28. Vandana S. Panda, Suresh R. Naik. Cardioprotective effect of a chronic treatment of *Ginkgo biloba* Phytosomes in isoproterenol-induced cardiac necrosis in rats: Involvement of antioxidant system. *Journal of Phytopharmacology*. 2014; 3(4): 222-233.
29. Vandana Panda, Prashant Khambat. Antiulcer activity of *Garcinia indica* fruit rind (kokum berry) in rats. *Biomedicine & Aging Pathology*. 2014; 4: 309-316.
30. Vandana Sanjeev Panda, Pravin Shivaji Kharat, Sudhamani S. Antioxidant and hepatoprotective effect of *Macrotyloma uniflorum* seed in anti-tubercular drug-induced liver injury in rats. *Journal of Phytopharmacology*. 2015; 4(1): 22-29.
31. Vandana S. Panda, Yuti H. Desai, Sudhamani S. Protective effects of *Macrotyloma uniflorum* seeds (horse gram) in abnormalities associated with the metabolic syndrome in rats. *Journal of diabetes and obesity*. 2015; 2(2): 1-10.
32. Vandana Panda, Swetha Suresh. Gastro-protective effects of the phenolic acids of *Macrotyloma uniflorum* (horse gram) on experimental gastric ulcer models in rats. *Food Bioscience*. 2015; 12: 34-46.
33. Suresh R Naik, Vishnu N Thakare, Vandana S Panda. Curcumin, *Ocimum sanctum* and *Ginkgo biloba* improve hemodynamic, biochemical and histoarchitectural alterations in isoproterenol induced cardiac damage. *Indian Drugs*. 2015; 52 (4): 5-14.
34. Vandana Panda, Pravin Kharat, S. Sudhamani. Hepatoprotective effect of the *Macrotyloma uniflorum* seed (horse gram) in ethanol-induced hepatic damage in rats. *Journal of Biologically Active Products from Nature*. 2015; 5(3):178 – 191.
35. Vandana Panda, Ankit Laddha, Mukesh Nandave, S. Sudhamani. Dietary phenolic acids of *Macrotyloma uniflorum* (horse gram) protect the rat heart against isoproterenol induced myocardial infarction. *Phytotherapy Research*. 2016; 30(7): 1146-1155.
36. Vandana Panda, Priyanka Shinde. A comparative study of the antacid effect of raw spinach juice and spinach extract in an artificial stomach model. *Journal of Complementary and Integrative medicine*. 2016; 13(4):387-391.
37. Vandana Panda, Priyanka Shinde. Appetite suppressing effect of *Spinacia oleracea* in rats: involvement of the short term satiety signal cholecystokinin. *Appetite* 2017;113: 224-230.
38. Vandana Panda, Kinjal Mistry, Sudhamani S, Mukesh Nandave, Shreesh Ojha. *Spinacia oleracea* (spinach) consumption and aerobic exercise ameliorate abnormalities associated with the metabolic syndrome in rats. *Oxidative Medicine and Cellular Longevity*. Volume 2017, Article ID 2359389, 15 pages.
39. Vandana Panda, Priyanka Shinde, Jyoti Deora, Pankaj Gupta. A comparative study of the antacid effect of some commonly consumed foods for hyperacidity in an artificial stomach model. *Complementary Therapies in Medicine* 2017; 34: 111-115.

40. Panda V, Bhandare N, Mistry K, Sudhamani S, Dande P. Cardioprotective potential of *Spinacia oleracea* (Spinach) against isoproterenol-induced myocardial infarction in rats. *Archives of Physiology and Biochemistry*. 2019;13:1-10.
41. Panda, V., Shinde, P., Dande, P. Consumption of *Spinacia Oleracea* (spinach) and aerobic exercise controls obesity in rats by an inhibitory action on pancreatic lipase. *Archives of Physiology and Biochemistry*, 2020, 126(3):187–195.
42. Panda VS, Shah T, Sudhamani S. A herbal premix containing *Macrotyloma uniflorum*, ginger, and whey curtails obesity in rats fed a high-fat diet by a novel mechanism. *Applied Physiology, Nutrition, and Metabolism*. 2020;45(1):24-34.
43. Singh S, Somvanshi RK, Panda V, Kumar U. Comparative distribution of somatostatin and somatostatin receptors in PTU-induced hypothyroidism. *Endocrine*. 2020 Oct;70(1):92-106.
44. Singh S, Panda V, Sudhamani S, Dande P. Protective effect of a polyherbal bioactive fraction in propylthiouracil-induced thyroid toxicity in rats by modulation of the hypothalamic–pituitary–thyroid and hypothalamic–pituitary–adrenal axes. *Toxicology Reports*. 2020 Jan 1;7:730-742.
45. Panda V, Deshmukh A, Singh S, Shah T, Hingorani L. An Ayurvedic formulation of *Emblica officinalis* and *Curcuma longa* alleviates insulin resistance in diabetic rats: Involvement of curcuminoids and polyphenolics. *Journal of Ayurveda and Integrative Medicine*. 2021;12:506-513.
46. Panda V, Deshmukh A, Hare A, Singh S, Hingorani L, Sudhamani S. Effect of *Withania somnifera* hydroalcoholic extract and other dietary interventions in improving muscle strength in aging rats. *J Ayurveda Integ Med*. 2021;12:623-632.
47. Panda V, Patidar P, Rajesh Gaikwad R, Borade S, Fernandes S. Comparative clinical evaluation of a local drug delivery of cranberry and *Garcinia* fruit gel with tetracycline fibers for amelioration of periodontitis: A split mouth study. *J Ind Soc Periodontol*. 2023; 27(4): 399-406.
48. Panda V, Jhangiani A, Sukheja A, Thomas S, Duseja P, Pandya S, Chintakrindi A. Toxicological Profiling of Proposed Shikimate Kinase Inhibitors in *Mycobacterium tuberculosis* H37Rv Strain. *Altern Lab Anim*. 2023; In press
49. Panda V, Pund S, Saindane A, Bokade V. Development and validation of a novel RP-HPLC method for quantification of hesperidin from a nutraceutical. *Sep. Sci. Plus*. 2023; Early online
50. Panda V, Saindane A, Pandey A. Nanobots: Revolutionizing the next generation of biomedical technology and drug therapy. *Curr. Drug ther*. 2023; In press

CONFERENCE, SEMINAR, WORKSHOP, SYMPOSIUM AND WEBINARS: 72

AWARDS AND ACHIEVEMENTS:

- ✚ Travel award from organizing committee for presentation of paper at PSWC, Amsterdam in April 2007
- ✚ Travel award from European Toxicological Society for presentation of paper at their conference in Copenhagen, Denmark, 2011.
- ✚ Indian Drug Manufacturers Association (IDMA) research award for best paper in Pharmacology in 2016.
- ✚ Fellowship of Rs 4 lakh for 4 months for M. Pharm thesis research project entitled “Design, formulation and pharmacological evaluation of a polyherbal tea bag-A green solution for hypothyroidism and its associated disorders” to Ms. Sneha Singh, M. Pharm student from Shastri Indo-Canadian Institute, MHRD for research at Dept. of Neurosciences, School of Pharmacy, University of British Columbia, Vancouver, July-November 2017 with Dr. Ujendra Kumar, Professor of Pharmacology.
- ✚ First prize at Avishkar Zonal level Research project competition

Title: Formulation and Pharmacological evaluation of a polyherbal teabag: A green solution for hypothyroidism and its association disorders.

Held at BNCP,Vile Parle ,Mumbai on December 18, 2017.

- ✦ First prize and gold medal at Avishkar Zonal level Research project competition
Title-Design of a novel protein cocktail to power the aging muscles: Giving quality life to our elderly, held at the Bombay College of Pharmacy, Mumbai on January 03, 2019. Third position at Avishkar state level round held on 14th January 2019, Gondwana University,Chandrapur.
- ✦ Third prize at State level presentation and seminar series, 9th February 2019, LHH Pharmacy College, Ulhasnagar
- ✦ Second prize for poster presentation in the 12th International Annual Conference of the South Asian College of Clinical Pharmacology (SAC-ACCP), 17-18 April 2019, MCA, Mumbai.
- ✦ Full sponsorship award for Invited plenary speaker at VII International Scientific and Practical Conference “Biotechnology: Science and Practice”, September 16-20 2019, Sevastopol, Russia
- ✦ Second prize at StartHerb: Journey from Innovation to Entrepreneurship in Herbals
Organized by DY Patil deemed to be University, School of Pharmacy, Navi Mumbai, 14-15 October 2022
- ✦ Second prize at 17th Aavishkar Research Convention, organized by UoM in the UG level and Medicine and Pharmacy category, 28th December 2022
- ✦ Second prize at the National Level Research Conference 8th MET RxPLORE-2023 at MET’s Institute of Pharmacy, Nashik

TRAINING PROGRAMMES: 10

FACULTY DEVELOPMENT PROGRAMME: 07

PROFESSIONAL MEMBERSHIP:

1. Indian Pharmaceutical Association
2. Association of Pharmacy Teachers of India
3. Indian Society of Pharmacology
4. Pharmacy Council of India
5. Bombay Society for Prevention of Cruelty to Animals

ACADEMIC RESPONSIBILITIES

1. Alumni Activity
2. Fund Raising
3. Internal Complaints Committee
4. Examinations Committee
5. Admissions Committee
6. Annual Convocation
7. Aavishkar Co-ordinator
8. Guest Lectures, Seminars & Conferences

OUTREACH ACTIVITY

1. Nature Club
2. Professional Guidance to students from underprivileged background

