

Dr. Vishal V. Pande (M.Pharm, PhD.)

Objective: Being the head of an educational institute, aiming to establish excellent academic and research standards and provide state of art facilities for research that can help great student achievement while bringing fame and success to the institute.

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Personal Details:

Gender: Male
Nationality: Indian
Marital Status: Married
DOB: 13 October, 1976

Strengths: Strong communication skill, Excellent industrial contacts, Sound research background, Good documentation.

Skill sets (Administrative, Academic and Professional)

Administrative: DSIR-SIRO Coordinator SRES, Local Enquiry Committee Member, Pune University and North Maharashtra University, Jalgaon (M.S.).

Academic:

1. Organized a One Day State Level Seminar on **Emerging Trends in Clinical Research** sponsored by **University of Pune (16th Feb. 2008)**

2. Organized a **National level Brookfield sponsored seminar** on 'Recent Trends in Pharmaceutical Research: Emphasis on Viscosity and texture characterization. **(15th March 2013)**

Total Experience 20.2 Years (Post PG 19, Post PhD 12 & Ind. 1.2 yrs.)

Principal: July 2020 to till date

Professor: April 2016 to June 2020

Associate Prof.: July 2008 to March 2016

Assistant Prof.: 21st May 2004 to June 2008

Production Chemist: November 2001 to July 2002

Trainee R & D Associate: July 2001 to October 2001

Approvals

Principal: DBATU/AFFL/2020-2021/571 Date: 15/07/2021

Professor: DBATU/AFFL/2020-2021/566 Date: 13/07/2021

PhD Guide Recognition -- PhD Guide in Pharmaceutics, Savitribai Phule Pune University- BOD/S &T/33/103, dated 17/10/2018

Associate Professor, Pune University – CCO/1498 dated 20/05/14 (Pharmaceutics)

P.G. Teacher Recognition---- BUTR/Pharmacy/02/802 dated 23/7/2014 (Pharmaceutics, Pune Uni.)

Asst. Prof. NMU, Jalgaon: NMU/18/771/2011(Pharmaceutics)

Lecturer, Pune University-- CCO/129 dated 16/10/2007 (Pharma. Analysis).

Ph.D. (Awarded in August 2011)

Ph.D. Topic: Isolation, characterization and pharmacological investigations of *Cinnamomum zeylanicum* & *Sphaeranthus indicus*

Name of Guide: Dr. Sonal Dubey Sharma, Professor, Krupanidhi College of Pharmacy, Bangalore.

University: VMU, Salem. (**Research Lab:** KLES College of Pharmacy, Bangalore, **NBA Accredited**)

Present Position

Principal,

Rashtriya Shikshan Mandals N. N. Satha College of Pharmacy, Ananddham Road, Ahmednagar

3. Organized a One Day State Level Seminar on “**Optimization Techniques in Pharmaceutical Formulations & Processing**” Sponsored by **University of Pune (14th Nov. 2014)**

4. Appointed as a **Bentham Brand Ambassador** for Bentham Science Journals

5. **Worked as a Judge** for **Avishkar-2014** at **NMU University, Jalgaon.** (17-18th October 2014)

6. Working on **Editorial Board of The Open Nanomedicine and Nanotechnology Journal (Bentham), Nanoscience and Nanotechnology Research and Austin Therapeutics (USA)** scientific journals.

7. **Delivered Guest Lectures at various colleges in North-East States of India as a Resource Person at National Level Workshop.**

8. **Delivered Guest Lectures at ATL FDP at various pharmacy colleges in India**

Professional:

Hands on experience in Instrument handling: Texture Analyzer, Advanced Probe Sonicator,

Google Scholar Citation Service

Citations	1224
H- Index	19
i10 Index	36
Research Gate Score	25.28
C. Impact Factor	21.17

Total PG Students Guided: 67
Total PhD Students Guiding: 06

Research Experience (M. Pharm Students Guided: 66, PhD: 02 ongoing)

Area of Expertise

- ✚ Nanotechnology based dosage form; Nanogel, Nanosponges, Nanofibers, Nanoparticles, Mesoporous silica nanoparticles, etc.
- ✚ Investigation of novel natural excipient
- ✚ Mesoporous silica and alumina as a drug carrier.
- ✚ Solubility enhancement
- ✚ Mixing solvency and hydrotrophy

Awards Received

- ✓ Achieved and secured International ranking as a Scientist for contribution in research by **AD Scientific Index** for year 2021-22, 2022-23 and 2023-24.
- ✓ **Research Excellence Award** by Institute of Scholars, Bangalore
- ✓ Selected as ‘**Asian Admirable Achiever**’ by Rifacimento International, New Delhi and bio-graphical note is published in Volume-IX (December 2016)
- ✓ Fellowship of Institution of Chemists (**FIC**), Kolkata
- ✓ Fellowship of Indian Chemical Society, Kolkata (**FICS**)
- ✓ Junior Research Fellow (**JRF**) from AICTE (GATE-2001 Qualified)
- ✓ Received **Gold-medal** as a University Topper in M. Pharm
- ✓ Research project selected and received second prize at State Level **Avishkar-2020** held at **Mumbai University.**

Academic Credentials

PhD (Pharmacy): Awarded (August- 2011)

KLES College of Pharmacy, Bangalore (**NBA Accredited**)

University: Vinayaka Missions University, Salem

Master of Pharmacy (Quality Assurance)

Year of passing: June -2004

IPER, Wardha. (**NBA Accredited**)

University: RTM University Nagpur.

Bachelor of Pharmacy

Year of passing: June-2001

R. C. Patel College of Pharmacy, Dhule. (**NBA Accredited**)

University: North Maharashtra University, Jalgaon

Work Experience

- 1) Working as **Approved and full time Principal** at RSM's N.N. Sattha College of Pharmacy, Ahmednagar from 1/07/2020.
- 2) **DSIR-SIRO Research & Development Laboratory in charge** for Sanjivani Rural Education Society, Kopargaon (1/04/2016 to 30/06/2020)
- 3) Worked as Professor and Head, Department of Pharmaceutics at **SRES' Sanjivani College of Pharmaceutical Education and Research, Kopargaon.** (13/09/2013 to 30/06/2020)
- 4) Worked as Associate Professor in Pharmaceutics at **H. R. Patel Pharmaceutical Education & Research, Shirpur.** (12/08/2010 to 12/09/2013)
- 5) Worked as Assistant Professor in Pharmaceutics at **JSPM's, Jayawantrao Sawant College of Pharmacy & Research, Hadapsar, Pune.** (20/06/2007 to 11/08/2010)
- 6) Worked as a Lecturer in Pharmaceutics at **MAEER's Maharashtra Institute of Pharmacy, Kothrud, Pune.** (6/12/2006 to 19/06/2007)
- 7) Worked as a Lecturer in pharmaceutics at **P. Wadhvani College of Pharmacy, Yavatmal.** (21/06/2204 to 16/08/2006)
- 8) Nine months Industrial Experience as a Production Chemist at **Samrudh Pharmaceuticals, M.I.D.C. Tarapur, Dist. Thane.** (Nov.1st 2001 to July 14th 2002)
- 9) Five months Industrial Experience as R & D Associate at **Innovassynth Technologies Ltd. Khopoli.** Dist. Raigad. (1 June 2001 to 30 Oct. 2001)

Responsibilities

- Periodically reviews, audits and inspects college's facilities; classrooms, computers, canteens, laboratories, gymkhana facilities and works to ensure these are upgraded, well maintained, safe and fully functional.
- Meets with the university officials and regulatory agencies involved in education to discuss plans on improving the content of the educational curriculum for helping student become more competitive on the global level.
- Conducts periodic meetings or get-togethers with parents and faculty members to encourage close collaboration among educational stakeholders in improving the performance of students.
- Represent the institute during inspection of regulatory authorities like **PCI, AICTE, DTE, DSIR-SIRO, NAAC and NBA.**

Book/Chapter Publication

1. A **Textbook on Pharmaceutical Engineering** for Gujarat Technical University (GTU) with Techmax Publications, Pune. (ISBN-978-81-8492-792-4) published in July 2012.
2. Revised Edition of A **Textbook on Pharmaceutical Engineering** for Savitribai Phule Pune University, Pune with Techmax Publications, Pune. (ISBN-978-93-5077-847-0) published in February 2015.
3. Revised Edition of A **Textbook on Pharmaceutical Engineering** with Techmax Publications, Pune. (ISBN-978-93-5077-847-0) published in February 2016
4. A Textbook on **Pharmaceutical Engineering** for Savitribai Phule Pune University, Pune with Techneo Publications, Pune (ISBN-978-93-89302-96-7) as per syllabus recommended by Pharmacy Council of India, published in July 2019.
5. A Textbook on **Solubility Enhancement** with LAP Lambert Academic Publishing, Germany. (ISBN-6200471789), published in November 2019.
6. Ethnobotanical Assessment of Indigenous Knowledge of Plants used as Uterotonic with Scripown Publications, New Delhi, published in 2021 (ISBN-978-93-90833-67-2)
7. A Textbook on **Development and Validation of Biochemical Assay for Quality of Vaccine Method Validation for Vaccine** with LAP Lambert Academic Publishing, Germany. (ISBN-9786204191874), published in August 2021.
8. A Textbook on **Self-Micro Emulsifying Drug Delivery System** with LAP Lambert Academic Publishing, Germany. (ISBN- 9786204197920), published in August 2021.
9. Natural polymers for drug delivery with CABI Publishers, UK; A chapter written on **Cellulose-based Polymeric Systems in Drug Delivery** in 2016. (ISBN- 9781780644479)
10. A Book on '**Formulation development and characterization of Matrix Tablet for CTDD** published Scholars Press, Republic of Maldives (ISBN- **9786138960287**)
11. A Chapter on Mesoporous Silica Based Cancer Theranostic: A Modern Approach in Upcoming Medicine in **Advances in Drug Delivery Methods** by Intech Open, London, UK. (DOI: [10.5772/intechopen.105447](https://doi.org/10.5772/intechopen.105447))
12. A Chapter published on , 'Novel drug delivery systems for treatment of chronic Alzheimer's in Novel Drug Delivery Systems in the Management of Chronic Diseases by **CRC Press and Apple Academic Press.**(ISBN- 9781774915868)
13. A Textbook on **Pharmaceutical Engineering** for Savitribai Phule Pune University, Pune with **Techknowledge Publications**, Pune (ISBN-978-93-5563-436-8) as per syllabus recommended by Pharmacy Council of India, published in July 2023.
14. A Chapter on Perspective Chapter: Pharmaceutical Drying In book: Drying Science and Technology by **Intech Open, London, UK.** (DOI: 10.5772/intechopen.112941)

15. A Chapter on Combinatorial therapy in Alzheimer's disease In book: ALZHEIMER'S DISEASE AND ADVANCED DRUG DELIVERY STRATEGIES, published by **Elsevier and Academic Press**. P. no. 439-458 (ISBN: 978-0-443-13205-6)

Patent Filed, Published & Awarded

1. Filed and published patent on "Pharmaceutical Excipient" Application No. 256/MUM/2011 dated 31/1/2011.
2. Filed patent on, "A novel pharmaceutical excipient, a process for preparing the same and pharmaceutical composition containing novel excipient. Application No. 265/MUM/2012 dated 27/1/2012.
3. Published an Indian patent on, "Mouthwash Tablet". Application No. TEMP/E-1/30743/2017-MUM dated 28/08/2017.
4. Published an Indian patent on, "Synthesis and Anticancer Activity of 3-{4-[(4-methoxyphenyl)sulfamoyl] phenyl}-N-(3-benzyl-5-oxo-1, 5-dihydro-4H-1, 2, 4-triazol-4-yl) prop-2-enamide. Application No. TEMP/E-1/42012/2017-MUM dated 18/11/2017
5. Granted an **International Australian Innovation Patent** on A Novel Formulation of Chitosan Nanoparticles 7/08/2021 (Application No. 2021105078)
6. Granted a **German Patent** on 'Methodology for formulation of nanotechnology-based delivery system of nanocarriers to cell of the immune system. (**Application No. 202022103409**)
7. Granted a **Indian Design Patent** on 'Biosensing biodegradable panty liners on 27/06/2023 (Design Number 375692-001)

Grant / Funding Received

1. Received the research grant of 3.15 Lakhs from DBATU Lonere under scheme **VC-RPG 2023** Targeted therapy for prostatitis using antibody-conjugated mesoporous silica nanoparticles
2. Received the research grant of 3.10 Lakhs from **RGSTC** titled, "Design and Development of GenitoprTECTIVE Probiotic Vaginal-Strips for Reproductive Age Women Postmenopausal Women".
3. Received **MODROB** grant from AICTE of **16.47 Lakhs** Rupees for Zetasizer (AQIS ID: 1-7068352827)
4. Application of the Foldscope Microscopy in Evaluating Drinking Water Treatment Process Plant Efficiency, -Principal Investigator, Sponsored by **Department of Biotechnology (DBT)**, New Delhi. [2018-19] (**8 Lakhs**)
5. Received grant of **1-lakh** rupees from BCUD University of Pune under Quality Improvement Programme for equipment purchase.

6. Received grant of **60,000/-** rupees from BCUD University of Pune under Quality Improvement Programme for organization of state level seminar.
7. Received grant of **35000/-** rupees from SWB of University of Pune for organization of Innovative Research Project competition for budding pharmacists.
8. Anticariogenic activity of *Solanum xanthocarpum* fruits extract on *Streptococcus mutans* strain- Principal investigator of research project sponsored by **University of Pune, Maharashtra** [Duration 2009-11]. (**1 Lakh**)
9. Screening of newer biopigments from soil isolates of fungi- Co-investigator of research project sponsored by **University of Pune, Maharashtra** [Duration 2009-11]. (**3 Lakhs**)

Quality Improvement / Faculty Development / STTP Attended (Total 5 weeks)

1. ISTE Approved One Week **Short Term Training Programme** on “Technical Upgradation & Innovations in Pharmacy – A Current Challenge” organized by St. John Institute of Pharmacy and Research, Palghar. (3-7th May 2016)
2. AICTE Sponsored **Faculty Development Programme** on Recent Advancements on Herbal Formulations and Drug Delivery Systems of Indian System of Medicine” held at R.C. Patel Institute of Pharmaceutical Education and Research, Shirpur (27th May – 8th June 2013)
3. AICTE Sponsored **Quality Improvement Programme** on ‘Global Regulatory Affairs: A Perspective’ held at Bharti Vidyapeeth’s Poona College of Pharmacy, Pune. (18-29 December 2012)

Online Courses Completed

1. Completed the PCT Distance Learning Course INTRODUCTION TO THE PATENT COOPERATION TREATY conducted by **WIPO Academy**, Sweden
2. Successfully completed **Web of Science** Basic Series course conducted by Clarivate Analytics.
3. Successfully completed **NPTEL Faculty Development Programme (FDP)** of 8 Weeks on ‘Enhancing Soft Skills and Personality’ with Silver Elite Grade (76%) (Feb-April 2019)

Conferences / Workshops / Symposiums / Seminars Attended.

1. A National level research project competition **MetXplore-2020** organized by METCOP, Nashik on 8/02/2020 as a resource person
2. A National level conference **SNJB PharmaCon-2019** organized by SSDJ College of Pharmacy, Chandwad on 19/11/2019 as a resource person
3. 3rd Mini Symposium on Cell Biology organized by **National Centre for Cell Science (NCCS), DBT**, Govt. of India on 23rd May 2017.

4. A National Level Pharmaceutical Industries Sponsored “**Innovative Idea Competition for Budding Pharmacists**” Sanjivani Avishkar-2017 held at SCPER, Kopargaon on 12th March 2017.
5. SPPU BCUD Sponsored Two Days National Level Seminar on, “**Recent Trends in Herbal Drug Standardization**” held at SCPER, Kopargaon on 15-16 February 2016.
6. A National Level Pharmaceutical Industries Sponsored “**Innovative Idea Competition for Budding Pharmacists**” Sanjivani Avishkar-2016 held at SCPER, Kopargaon on 31st January 2016.
7. Brookfield Engineering Lab. (USA) sponsored National level Seminar on “**Advances in Viscosity/Rheology and Texture Analysis**” held at SCPER, Kopargaon on 28th April 2015.
8. Savitribai Phule Pune University’s Students Welfare Board Sponsored One Day National Level “**Innovative Research Project Competition for Budding Pharmacists**” Sanjivani Avishkar held at SCPER, Kopargaon on 8th February 2015
9. Savitribai Phule Pune University Sponsored One Day State Level Seminar on “**Optimization Techniques in Pharmaceutical Formulations & Processing**” held at SCPER, Kopargaon (14th Nov. 2014)
10. Nirma University sponsored 3 days International Conference on **Fostering Innovation in Drug Discovery and Development**’ held at Ahmadabad (23-25th January 2014)
11. Pune University sponsored three days National Seminar on **Trends in Novel Drug Delivery System**’ held at Maharashtra Institute of Pharmacy, Pune.(23-25th February 2012)
12. Pune University sponsored three days National Seminar on **Advances in Drug Development Process** held at Maharashtra Institute of Pharmacy, Pune. (5-7th March 2011)
13. AICTE sponsored two days seminar on **CCNAPR** held at HRPIPER, (23-24th Oct. 2010)
14. STES’s & University of Pune sponsored one-day workshop on “**Effective implementation of curriculum**” held at SKNCOP, Kondhwa, Pune. (10 Oct. 09)
15. AICTE sponsored two days workshop on **Current Trends in Novel Drug Delivery System** held at R.C. Patel College of Pharmacy & Research, Shirpur. (23-24th August 2008)
16. Pune University Sponsored Seminar on ‘**Emerging Trends in Clinical Research**’ held at Jaywantrao Sawant College of Pharmacy & Research, Hadapsar, Pune-28.(16th Feb. 08)
17. Pune University Sponsored Seminar on ‘**Building Quality into Products**’ **Role of Instruments held** at Rajarshi Shahu College of Pharmacy & Research, Tathawade, Pune. (7th Feb. 08)
18. Pune University Sponsored Seminar on ‘**Recent Trends in Pharmaceutical Sciences & Technology**’ held at Charak College of Pharmacy & Research, Wagholi, Pune. (2nd Feb. 08)
19. Pune University Sponsored Seminar on ‘**Drug Discovery: Challenges & Opportunities**’ held at Maharashtra Institute of Pharmacy, **Pune** in Feb. 2007.

20. National Seminar on “**Changing Scenario in Drug Delivery Systems**” in Jan.2006 held at **Wardha**.
21. **Indian Pharmaceutical Congress (57th)** held at **Hyderabad** in Dec. 2005. 10th **APTI National Convention**, 2005 held at **Nagpur**.
22. Workshop on **Screening Techniques in Experimental Pharmacology** at **Shirpur** in Oct-05. (Sponsored By R. C. Patel College of Pharmacy & ISTE Local Chapter.)
23. **International Conference on Health Sciences** held at **Mysore** in Feb-2005.
24. **Indian Pharmaceutical Congress (56th)** held at **Kolkata** in Dec. 2004.
25. **International Convention of APTI** held at **Vishakhapatnam** in Oct –2004
International Congress of Indian Pharmacy Graduates **held at Chidambaram in Nov.-2003**.
26. **Indian Pharmaceutical Congress (54th)** held at **Pune** in Dec.2002.

Guest lecture delivered as a Resource Person

1. Worked as a **Judge** for university level **Avishkar-2014** at NMU University, Jalgaon. (17-18th October 2014)
2. Delivered expert talk at MES College of Pharmacy on ‘Quality by Design’ as a Resource Person in **Two Days National Level Conference** on ‘Intellectual Rights’ on 17th February 2018.
3. Delivered expert talk at St. Edmund College, Shilong Meghalaya on ‘**Mesoporous silica and nanotechnology**’ in National level on ‘Assembly and research applications of Foldscope Microscopy’ on 28/11/2018
4. Delivered expert talk at Tamphasana Higher Secondary School, Imphal, Manipur on ‘**Mesoporous silica and targeted drug delivery system**’ on 26/10/2018
5. Delivered expert talk at Johnstone Higher Secondary School, Imphal, Manipur on ‘**Nanotechnology based drug delivery system in Cancer**’ on 26/10/2018
6. Delivered expert talk at The Churachand Higher Secondary School, Imphal, Manipur on ‘**Journey of Foldscope invention and assembly of Foldscope**’ on 26/10/2018
7. Delivered expert talk at Thinungei Phubala High School, Phubala, Moirang, Imphal, Manipur on ‘**Preparation of slides for projection in foldscope**’ on 29/10/2018
8. Delivered expert talk at Girijanand Chowdhary Institute of Pharmaceutical Sciences, Guwahati, Assam on **Foldscope and its application in research** on 18/03/2019.
9. Delivered expert talk at SRES’ Sanjivani College of Pharmaceutical Education and Research, Kopargaon on ‘**Mesoporous silica and its applications in biotechnology**’ during DBT sponsored popular lecture series on 25/03/2019.
10. Worked as a Judge for Poster Presentation Competition at a National level conference **SNJB PharmaCon-2019** organized by SSDJ College of Pharmacy, Chandwad on 19/11/2019.

11. Delivered a lecture on ‘**Outcome Based Teaching and Learning**’ at ATAL FDP sponsored by AICTE and organized by National College of Pharmacy, Kozhikode, Kerala on 8 July 2021.
12. Delivered a lecture on ‘**Components of a Comprehensive Induction Program for Budding Pharmacist’s**’ at Online STTP sponsored by AICTE and organized by Rajarshi Shahu College of Pharmacy, Buldana, Maharashtra on 27 July 2021.

PUBLICATIONS: (National: 56, International: 52, Review: 48, Patent: 06)

RESEARCH PAPERS PUBLISHED IN NATIONAL JOURNALS

- 1) Pande VV, Chandorkar JG, Chandewar AV, “Hypoglycemic Effect of some Polyherbal Formulations on Alloxan-Induced Diabetic Rats” in **Biomed Journal**, Vol.1 (2), P. No. 182-184, July-Sept.2006.
- 2) Pande VV, Chandorkar JG, Dongare MK, Pande SV, “Development and Validation of High-Performance Liquid Chromatography Method for Analysis of Raloxifene Hydrochloride and its Impurity” in **Indian Drugs**, 43; 7, P.No.561-564, (July 2006.)
- 3) Pande VV, Chandorkar JG, Dongare MK, Kotwal VB, “Simultaneous Determination of Secnidazole & Its Intermediate 2-Methyl-Nitro Imidazole in **Indian Drugs**, 43; 8, P.No.671-672, (August 2006.)
- 4) Pande VV, Chandorkar JG, Dongare MK, Pande SV, “Simultaneous Determination of Tinidazole & Its Intermediate 2-Methyl-Nitro Imidazole.in **Indian Drugs**, 43; 9, P.No.750-752, (September 2006.)
- 5) Pande VV, Tenpe CR, Urganlawar AB, Yeole PG, “Quality Evaluation of *Cinnamon Bark* for its Hypoglycemic & Hypolipidaemic Effects in Rats” in **The Antiseptic**, Vol.104, pp. 48-50 (Jan.2007.)
- 6) Pande VV, Chandorkar JG, Pande Vinita, Pande SV, “Determination of Synthetic Intermediate of Diclofenac Sodium in Reaction Mixtures by High Performance Liquid Chromatography” in **Pharmaquest** P. No. 63-4, Nov.-Dec.2006.
- 7) Dubey Sonal, Pande VV, Chandorkar JG, Baheti KG, Tenpe CR, “Comparative study of Gaduchi, Nagarmotha and Vidanga Aqueous Extract on Hyperlipidemia Induced by Butterfat in Albino Rats” in **Biomed**, Vol.1 (3), pp.264-267. (Oct-Dec.2006)
- 8) Pande VV, Chandewar AV, Khadse CD, “Screening of Antimicrobial Activity of *Tectona Grandis* Fruits” **The Antiseptic**, Vol.104 (2), Feb.2007, P. No. 110-112, Madurai.
- 9) Pande VV, Chandorkar JG, Dongare MK, Rode CV, “Spectrophotometric Method for Determination of Assay in Tinidazole in **Biomed**, 1(4), Jan-Mar.2007, 350-353.
- 10) Pande VV, Tekade AR, Gowekar NM, Polshettiwar SA, Wani MS, “Awareness of Aids in Rural Area of North Maharashtra, **Indian Journal of Hospital Pharmacy**. Vol. 6, Nov-Dec-2007, P. No. 226-228.

- 11) Pande V.V., Kudal A. M, Kawathekar N., Parakh S.R, Polshettiwar S.A, “3D QSAR Analysis of 4, 6 Dichloroindole-2-Carboxylic Acids as NMDA-Receptor Antagonist”, **Indian Journal of Pharmaceutical Education & Research.**, 42(4), Oct-Dec, 2008, 357-362.
- 12) Pande V.V, Bincy Thomas, Tekade AR, “Comparative evaluation of releasing rate of Nifedipine in S.R. products from Indian market by spectrophotometry.”, **Biomedical & Pharmacology Journal**, 1(1), Aug-Oct, 2008,101-106.
- 13) Pande V.V., Jadhav J.N., Chandorkar J.G, “Simultaneous estimation of Tamsulosin Hydrochloride and Dutasteride in combined dosage form by UV spectroscopy method.” **Journal of Pharmacy Research**, Vol.2.Issue 3.March 2009, 507-509.
- 14) Pande VV, Chandorkar JG, , “A Sensitive HPLC Method of Determination of 2-Methyl 5-Nitro Imidazole & Reaction Mass of Intermediates of in Ornidazole Bulk Manufacturing”. **International Journal of Pharmtech Research**, Vol.1, No.2, pp 310-312, April-June 2009
- 15) Pande V.V., Tekade A.R., Tankar A.N., Shastri K.V., “career orientation program for first year degree pharmacy students: facilitating personal effectiveness, leader effectiveness and resource effectiveness. **International Journal of Pharmatech Research**. Vol.1, No.2, pp 313-316, April-June 2009.
- 16) Dubey Sonal, Pande VV, “Pharmacological evaluation of *sphaeranthus indicus* and *cinnamomum zeylanicum* for anti-inflammatory activity in rats. **Journal of chemical and Pharmaceutical Sciences**. Volume - 2 Issue -1, pp. 11-14, January - March 2009.
- 17) Pande V.V., Palashikar G.S., Katare Y.S., Jain B.B, “Study of Hibiscus Cannabinus seed mucilage: Extraction & Evaluation as a Suspending Agent. **Journal of Pharmacy Research**, Volume.3 (3), pp. 462-466, March 2010.
- 18) Pande V.V., Marathe G.M., Patil P.H., Mutha R.E., Bari S.B., “Quantitative determination of deferasirox in bulk and pharmaceutical formulation by UV spectrophotometric method, **Indian Drugs** 50 (02), 27-32, February 2013.
- 19) Pande V.V., Sonawane R.O., Nayak S, “Enhanced Dissolution profile of poorly water-soluble drug by Solid Dispersions (Solvent Evaporation) technique, **Indian Drugs** 50 (06), 13-19, 2013.
- 20) Pande V.V., Sonawane R.O, A Novel Pharmaceutical Excipient, a Process for Preparing the Same and Pharmaceutical Compositions Containing Novel Excipient, **Inventi Rapid: Novel Excipient**, Vol. 2013, Issue 3.
- 21) Raju Onkar Sonawane, Vishal Vijay Pande, Formulation and In-vitro Characterization of Multiple Unit Sustained Release Matrix Pellets of Lornoxicam Using Natural Gums, **Indian Journal of Novel Drug Delivery**, 5(4); 2013; 208-220.

- 22) Vishal Pande, Vaibhav Chaudhari, Kishor Sagar, Investigation of effect of liquisolid compact on solubility and dissolution properties of zaltoprofen, **Journal of Advanced Pharmaceutical Sciences**, JAPS, Vol.4, Issue.1, 2014; 566-579.
- 23) Vishal Pande, Vaibhav Chaudhari, Kishor Sagar, Design, Development and Characterization of Self-nanoemulsifying Drug Delivery System (SNEDDS) of Nateglinide, **World Journal of Pharmacy and Pharmaceutical Sciences, WJPPS**, Volume 3, Issue 8, 794-811.
- 24) Amruta P. Papdiwal, Vishal V. Pande, Investigation of Effect of Different Stabilizers on Formulation of Zaltoprofen Nanosuspension, **Int. J. Pharm. Sci. Rev. Res.**, 27(2), July – August 2014; Article No. 40, Pages: 244-249.
- 25) Prakash N. Kendre, Vishal V. Pande and Kishori M. Chavan, Novel Formulation Strategy to Enhance Solubility of Quercetin, **Pharmacophore 2014**, Vol. 5 (3), 358-370.
- 26) Raosaheb, S Shendge; Vishal, V Pande; Nilesh, A Kadnor Ashwini, A; Jamdhade and Rupali, N Kadam (2014), “A facile approach to enhance solubility and dissolution rate of norfloxacin by nanoplex”, **Pharmacophore**, Vol. 5 (3), 406-416.
- 27) Rakesh Eshwarlal Mutha, Payal Hasmukhlal Patil, Ravindra Narayan Patil, Formulation and Evaluation of Deferasirox Orodisperse Tablet by Direct Compression Method. **Inventi Rapid: Pharm Tech**, 2015(1):1-6, 2014.
- 28) Amruta P. Papdiwal, Vishal V. Pande, Formulation and Characterization of Nateglinide Nanosuspension by Precipitation Method, **International Journal of Pharmaceutical Sciences and Nanotechnology**, Volume 7, Issue 4, October – December 2014; 2685-2691.
- 29) Argade V P, Pande V V. Preparation and Standardization of Amla Wine by Using *Saccharomyces cerevisiae* Yeast as a Fermenter. **Inventi Rapid: Planta Activa**, 2015(2):1-5, 2015.
- 30) Priyanka L Bhokare, Prakash N Kendre, Vishal V Pande. Design and Characterization of Nanocrystals of Tadalafil for Solubility and Dissolution Rate Enhancement. **Inventi Rapid: Pharmaceutical Process Development**, 2015(3):1-7, 2015.
- 31) Vishal V Pande. Studies on the Characteristics of Zaltoprofen Loaded Gelatin Nanoparticles by Nanoprecipitation. **Inventi Rapid: NDDS**, 2015(3):1-7, 2015.
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LIST OF THOMSON REUTERS IMPACT FACTOR RESEARCH PAPERS (CUMULATIVE IMPACT FACTOR 21.167)

1. Pande V.V., Kudal A. M, Kawathekar N., Parakh S.R, Polshettiwar S.A, “3D QSAR Analysis of 4, 6 Dichloroindole-2-Carboxylic Acids as NMDA-Receptor Antagonist”, **Indian Journal of Pharmaceutical Education & Research.**, 42(4), Oct-Dec, 2008, 357-362. **(Impact factor 0.501)**
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3. Vishal Pande, Vaishali Argade, Influence of different fermentation conditions on the formulation and development of Amla (*Embllica officinalis* Gaertn.) Wine, **Indian Journal of Traditional Knowledge** Vol. 15(2), April 2016, pp. 254-259 **(Impact Factor 1.273)**
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11. Vishal Vijay Pande, Dhanashri Devendra Borawake & Vishal Vitthal Halnor, Fabrication and characterization of gemcitabine hydrochloride loaded mesoporous silica nanoparticles as theranostics platform for pancreatic cancer, **Materials Technology: Advanced Performance Materials** 33:13, 815-824, DOI: 10.1080/10667857.2018.1512782. **(Impact Factor: 1.820)**
12. Vishal Vijay Pande, Komal Sadashiv Jadhav, Mahendra Ashok Giri, Prakash Namdeo Kendre, Somanth Kedarling Vibhute & Dhanashri Devendra Borawake (2018): Design and development of paliperidone mesoporous silica template as a platform for surge dose drug delivery system, **Materials Technology: Advanced Performance Materials**, Volume 34 (3), 2019, 117-125, DOI: 10.1080/10667857.2018.1538186. **(Impact Factor: 1.820)**
13. Vishal Vijay Pande, Prajakta Vilas Khedkar, (2021): Fabrication and Characterization of gemcitabine hydrochloride loaded magnetically responsive mesoporous silica nanocomposites as smart hybrid theranostic platform for treatment of pancreatic cancer, **Materials Technology** 2021, VOL. 36, NO. 3, 145–152 (DOI: /10.1080/10667857.2020.1734729) **(Impact Factor: 1.820)**
14. Ajinkya Kailas Pote , Vishal Vijay Pande , Vipul Pralhadbhai Patel , Mahendra Ashok Giri , Rasika D Bhalke & Aniket Uttam Pund (2020): Design & Development of Curcumin Loaded Zinc Oxide Nanoparticles Decorated Mesoporous Silica Liquid Stitches: A Proof of Concept in Animals, **Materials Technology**, DOI: 10.1080/10667857.2020.1863557**(Impact Factor: 3.846)**
15. Upaganlawar Aman*, Polshettiwar Satish, Raut Sushil, Tagalpallewar Amol and Pande Vishal, Effective Cancer Management: Inimitable Role of Phytochemical Based Nano-Formulations, **Current Drug Metabolism** 2022, Volume 23, Number 11, pp. 869-881(13). DOI: 10.2174/1389200223666220905162245 **(Impact factor 3.74)**

Professional Membership

- ✚ **IPA [Indian Pharmaceutical Association]:** Life Membership No: **MAH/NAG/LM/0165.**
- ✚ **ISTE [Indian Society for Technical Education]:** Life Membership No. **LM-111681**
- ✚ **REGISTERED PHARMACIST** under Maharashtra State Pharmacy Council, Registration no. **42834.**
- ✚ **APTI [Association of Pharmaceutical Teachers in India]:** Life Membership No. **MA/LM/901.**
- ✚ **NEA [National Environmentalists Association]** Life Member.
- ✚ **F.I.C [Fellow of Institution of Chemists, Kolkata] (17/03/2017)**
- ✚ **I.C.S. [Annual membership of Indian Chemical Society, Kolkata] (S/7109, 2019)**
- ✚ **ERA [Einstein Research Academy, Malaysia (ERAM2100150)]**
- ✚ **IAAM [International Association of Advanced Materials, Sweden] (Membership No. 7610131913453)**

Declaration

I hereby declare that the information given by me is correct and complete to the best of my knowledge and belief.

Place: Ahmednagar, Maharashtra, India

Date: 13/12/2023

(Dr. Vishal V. Pande)

LIST OF M. PHARM PROJECTS GUIDED BY DR. Vishal V. PANDE

S.N.	Title of thesis	Name of student	Specialization	University	Year
1.	Formulation development of immediate release tablet of Non-steroidal Anti-inflammatory drug	Ahirrao Abhijit Popat	Pharmaceutics	SPPU Pune	2019-20
2.	Formulation Development and Evaluation of Immediate Release Capsule Formulation of beta-lactam antibiotic.	Deshmukh Pankaj Kailas	Pharmaceutics	SPPU Pune	2019-20
3.	Formulation and Evaluation of Bosentan monohydrate loaded nanospheres as a novel platform for drug delivery system	Gorde Rohit Rajesh	Pharmaceutics	SPPU Pune	2019-20
4.	Formulation and Evaluation of Ketorolac Tromethamine Loaded Lyotropic Liquid Crystalline Gel	Kawar Pallavi Sainath	Pharmaceutics	SPPU Pune	2019-20
5.	Formulation and evaluation of extended release Multiparticulate dosage form using Antihypertensive drug.	Sanap Vijay Somnath	Pharmaceutics	SPPU Pune	2019-20
6.	Development and evaluation of gastroretentive floating In-situ gel of anti-diabetic drug.	Vadak Shubham Sanjay	Pharmaceutics	SPPU Pune	2019-20
7.	Design and Development of Lornoxicam Impregnated Dry Powder based Liquid Crystals.	Mr. Shubham Jalindar Gore	Pharmaceutics	SPPU Pune	2018-19
8.	Design and Development of Novel Controlled-Release Azilsartan Medoxomil Loaded Provesicular Powder.	Mr. Niteen Daulat Ghule	Pharmaceutics	SPPU Pune	2018-19
9.	Formulation Development and Evaluation of Water Dispersible Tablet of Antimalarial Drug.	Mr. Shreyas Rajendra Kulkarni	Pharmaceutics	SPPU Pune	2018-19
10.	To Study The Anti-Cancer Activity of Yaoshanenolide-A and Yaoshanenolide-B on Human Breast Cancer Cells.	Ms. Amruta Babasaheb Sudake	Pharmaceutics	SPPU Pune	2018-19

11.	Fabrication and Characterization of Natural Anticancer Drug Loaded Carbon Nanotubes as Platform for Targeted Drug Delivery System.	Ms. Rutuja Harichandra Gund	Pharmaceutics	SPPU Pune	2018-19
12.	Design, Development and Characterization of Ropinirole Hydrochloride Loaded Nanostructure Lipid Carrier base Gel for Intranasal Delivery.	Ms. Pooja Jayram Jadhav	Pharmaceutics	SPPU Pune	2018-19
13.	Design and Development of Modified Release Tablet by Mixed Solvency Assisted Solid Dispersion of Valsartan.	Mr. Vaibhav Vishwambhar Landge	Pharmaceutics	SPPU Pune	2018-19
14.	Fabrication and Characterization of Gemcitabine Hydrochloride Loaded Magnetically Responsive Mesoporous Silica Nanocomposites as Smart, Hybrid, Theranostic Platform for Treatment of Pancreatic Cancer	Ms. Prajakta Vilasrao Khedkar	Pharmaceutics	SPPU Pune	2018-19
15.	Design and development and evaluation of polyherbal veterinary formulation	Mr. Akash Udmale	Pharmaceutics	SPPU Pune	2017-18
16.	Formulation and evaluation of skin lightening cream with the help of snell secretion filtrate	Ms. Yogita Gorakhe	Pharmaceutics	SPPU Pune	2017-18
17.	Formulation and development of mucoadhesive extended release pellets of water insoluble felodipine with sold surface dispersion	Mr. Vishal Sanklecha	Pharmaceutics	SPPU Pune	2017-18
18.	Formulation development and characterization of herbal antacid gel	Mr. Shailesh Pawar	Pharmaceutics	SPPU Pune	2017-18
19.	Fabrication and characterization of anticancer drug loaded mesoporous silica nanoparticles as theranostic platform for treatment of cancer	Ms. Dhanashri Borawake	Pharmaceutics	SPPU Pune	2017-18
20.	Design development of multifunctional novel co-processed excipient by spray drying	Mr. Swapnil Sonawane	Pharmaceutics	SPPU Pune	2017-18
21.	Design development of nanomiengel as a novel platform for topical drug delivery	Mr. Vishal Halnor	Pharmaceutics	SPPU Pune	2017-18
22.	Identification and characterization of a monoclonal antibody developed by immunization with ovarian cancer cell derived antigen	Ms. Neha Kulkarni	Pharmaceutics	SPPU Pune	2017-18

23.	Formulation evaluation of microsphere loaded gel for topical drug delivery	Patil Sayali Dilip	Pharmaceutics	SPPU Pune	2016-17
24.	Design and development of mouth dissolve taste mask formulation	Pabalkar Amruta Dattatraya	Pharmaceutics	SPPU Pune	2016-17
25.	Formulation development and evaluation of immediate release tablet of antipsychotic drug	Nagargoje Sandip Prahlad	Pharmaceutics	SPPU Pune	2016-17
26.	Development of dual release bilayer tablet for analgesic activity	Kale Shweta Ajit	Pharmaceutics	SPPU Pune	2016-17
27.	Formulation Development and Characterization of Shata Dhauta Ghrita based topical antifungal nanolipogel	Zarekar Nilesh Shivaji	Pharmaceutics	SPPU Pune	2016-17
28.	Isolation, Characterization and optimization of Biosurfactant production from <i>B.Subtilis</i>	Salunke Priyanka Prakash	Pharmaceutics	SPPU Pune	2016-17
29.	Design and development of meloxicam nanocrystals (MNCs) as a platform for immediate release dosage form.	Abhale Vidya namdev	Pharmaceutics	SPPU Pune	2015-16
30.	Fabrication and characterization of polymer based microcomposite scaffold for as platform for drug delivery system	Bhawar pramila sopan	Pharmaceutics	SPPU Pune	2015-16
31.	Formulation development and evaluation of immediate release tablet of antidiabetic drug	Ghorpade Ishwar	Pharmaceutics	SPPU Pune	2015-16
32.	Formulation development and evaluation of dry powder for inhalation for pulmonary delivery.	Gursal kanchan	Pharmaceutics	SPPU Pune	2015-16
33.	Design and development of mesoporous silica template as platform for surge dose drug delivery system.	Jadhav komal	Pharmaceutics	SPPU Pune	2015-16
34.	Exploration of mixed hydrotopry strategy in formulation and development of etodolac injection.	Kadam pramod	Pharmaceutics	SPPU Pune	2015-16
35.	Formulation development and evaluation of immediate release dosage form for drug acting on central nervous system.	Kharde abhishek	Pharmaceutics	SPPU Pune	2015-16
36.	Formulation development and evaluation of immediate release tablet of antihypertensive drug.	Mahanawar sachin	Pharmaceutics	SPPU Pune	2015-16

37.	Fabrication of Hexagonal Mesoporous Silica for Loading of Lornoxicam as a Platform for Drug Delivery	Dange Vaishali Uttamrao	Pharmaceutics	SPPU Pune	2014-15
38.	Investigation of Impact of Mechanochemical Approach on Solubility and Dissolution rate Enhancement of Febuxostat	Jamdhade Surekha Bhaskar	Pharmaceutics	SPPU Pune	2014-15
39.	Fabrication and Characterization of Olopatadine Hydrochloride Loaded Bionanofibers as a Platform for Drug Delivery	Mehetre Gitanjali Sunil	Pharmaceutics	SPPU Pune	2014-15
40.	Formulation and Development of Herbal Nutritional Wafers as Dietary Supplement for lactating Women	Yeole Shalaka Shivaji	Pharmaceutics	SPPU Pune	2014-15
41.	Influence of Different Fermentation Conditions on Formulation and Development of Amla (<i>Emblica officinalis</i> Gaertn.) Wine.	Argade Vaishali Punjahari	Quality assurance	SPPU Pune	2014-15
42.	Standardization of Ayurvedic Polyherbal Formulation as per ICH and WHO Guidelines.	Patil Ashvini Bapusaheb	Quality assurance	SPPU Pune	2014-15
43.	Phytochemical screening standardization and comparative evaluation of polyherbal formulation.	Salunke Snehal Sandeep	Quality assurance	SPPU Pune	2014-15
44.	Synthesis, Characterization and Quantitation of Process Related Impurity by RP-HPLC Method in Nimodipine Bulk and Formulation.	Shaikh Lubna Bashir	Quality assurance	SPPU Pune	2014-15
45.	Inclusion of poorly water soluble Telmisartan in highly ordered mesoporous alumina	Borbane Santosh Ashok	Pharmaceutics	SPPU Pune	2013-14
46.	Solubility & dissolution rate enhancement of Zaltoprofen by liquid solid compact	Chaudhari Vaibhav Gopal	Pharmaceutics	SPPU Pune	2013-14
47.	Fabrication and Characterization of Novel Herbal Anti-Acne Surface Decorated Nanogel	Dighe Pramod Dyaneshwar	Pharmaceutics	SPPU Pune	2013-14
48.	Fabrication and Characterization of Sertaconazole Nitrate Microsponge as a Topical Drug Delivery	Kadnor Nilesh Anna	Pharmaceutics	SPPU Pune	2013-14
49.	Fabrication and Characterization of Lornoxicam Microcapsules Using Layer-By-Layer Self Assembly Technique	Katara Vaibhav Gautam	Pharmaceutics	SPPU Pune	2013-14

50.	Formulation and Evaluation of Fluconazole Loaded Lyotropic Liquid Crystalline Gel	Lodha Ashish Pravinkumar	Pharmaceutics	SPPU Pune	2013-14
51.	Design and Synthesis of Mesoporous Silica for Inclusion of Poorly Soluble Drug Sertaconazole Nitrate As a Drug Delivery Platform	Panage Sarita Shrikrushna	Pharmaceutics	SPPU Pune	2013-14
52.	Investigation of effect of different stabilizers on stability of Zaltoprofen nanosuspension	Papdiwal Amruta Pravinkumar	Pharmaceutics	SPPU Pune	2013-14
53.	Formulation of drug loaded ODT using novel nanoparticle in microparticle system (NIMS)	Ravindra N. Patil	Pharmaceutics	NMU, Jalgaon	2012-13
54.	Formulation and characterization of biodegradable polymeric nanoparticulate drug delivery system for tapentadol hydrochloride	Prashant R. Mahajan	Pharmaceutics	NMU, Jalgaon	2012-13
55.	Solubility and dissolution rate enhancement of cefpodoxime proxetil by nanoplex	Milind V. Chavan	Pharmaceutics	NMU, Jalgaon	2012-13
56.	Formulation and evaluation of nasal mucoadhesive multiparticulate drug delivery system	Mahesh Y. Patil	Pharmaceutics	NMU, Jalgaon	2012-13
57.	Development of self assembled liquid crystalline drug delivery system for poorly water soluble drug	Rekha B. Patil	Industrial Pharmacy	NMU, Jalgaon	2012-13
58.	Fabrication and Characterization of zaltoprofen loaded Nanogel	Savita S. Pawar	Pharmaceutics	NMU, Jalgaon	2012-13
59.	Formulation and development and evaluation of nasal spray containing azelastine hydrochloride and flucanone propionate	Sagar S. Bachchav	Industrial Pharmacy	NMU, Jalgaon	2012-13
60.	Formulation and evaluation of Zaltoprofen loaded lyotropic liquid crystalline gel	Punam P. Patil	Pharmaceutics	NMU, Jalgaon	2012-13
61.	A novel pharmaceutical excipients, a process for preparing the same and pharmaceutical compositions containing novel excipients.	Kundan V. Patil	Pharmaceutics	NMU, Jalgaon	2011-12
62.	Liquisolid compact: A novel approach to improve dissolution of poorly water soluble drug rosuvastatin calcium	Vivek J. Kapure	Pharmaceutics	NMU, Jalgaon	2011-12
63.	Formulation development and evaluation of multiparticulate drug delivery system containing antiadrenergic agent.	Ashvini B. Bhamre	Pharmaceutics	NMU, Jalgaon	2011-12

64.	Investigation of novel natural excipient as superdisintegrant	Kiran A. Pathade	Pharmaceutics	NMU, Jalgaon	2011-12
65.	Formulation and evaluation of dual cross linked pulsatile beads for chronotherapy of rheumatoid arthritis	Abanesh Bansal	Pharmaceutics	NMU, Jalgaon	2011-12
66.	Formulation and evaluation of sustained release tablet of calcium channel blocker by using two hydrophilic polymers	Samir M. Patel	Pharmaceutics	NMU, Jalgaon	2011-12