Curriculum Vitae

Mr. Sopan Namdev Nangare

M. Pharm (Pharmaceutics), Research Fellow (ICMR)

Assitant Professor

Department of Pharmaceutics

H. R. Patel Institute of Pharmaceutical Education and

Research, Shirpur: 425405. Mb. No: +91 9561141110

E-mail: snangareopan@gmail.com



Career Objective

To contribute in the field of academics and scientific research with honesty, dedication, and responsibility towards society

Educational Qualifications

Course	Name of College/Organization	Name of University/board	Year of Passing	Percentage/ Percentile
Doctorate of Philosophy	H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur	KBC, NMU Jalgaon		Pursuing
M. Pharm	Bharati Vidyapeeth College of Pharmacy, Kolhapur	Shivaji University, Kolhapur	2017- 2018	71.71 % (University Merit rank)
B. Pharm	Sinhgad Institute of Pharmaceutical Sciences, Lonavala	Savitribai Phule Pune University	2012- 2016	69.83 % (3 rd rank)
S. S. C.	Sharadchandraji Pawar Madhyamik Vidyalaya, Lakhewadi.	Pune Divisional Board	2009- 2010	93.27 % (1 st rank)
GPAT	All India Council for Technical Education	AICTE, Delhi	AIR: 875	Percentile: 97.48

Academic/Teaching Experience

Institute name: H. R. Patel Institute of Pharmacy, Shirpur 425 405

■ **Teaching experience:** From 3rd April 2019 to July 2021

Degree: First-year diploma

Subject: Pharmaceutics I

• **Job responsibility:** Successfully conducted lectures, practicals, and related documentation

Industrial and Research Experience

Industry/Institute name	Department	Project completed	Duration			
Industrial experience						
Alembic Pharmaceuticals Ltd., Hyderabad.	Formulation, Research,	Project undertaken: 3	October 2018 to			
	and Development	Project completed: 1	April 2019			
Micro Labs Pvt. Ltd., Bangalore	Formulation, Research, and Development	Training program	23 rd February 2018			
Biological E Ltd., Hyderabad	Pharma Division- Chemical R & D	Training program	8 th April 2017			
Dr. Reddy Laboratory, Hyderabad	Formulation, Research, and Development	Training program	7 th April 2017			
Vishwachaitanya Ayurvedic Ras-shala, Baramati	Formulation, Research, and Development	Industrial Training	7 th May 2015 to 7 th June 2015			
Research experience						
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur 425405	Junior Research Fellow	Ongoing	April 2019 to 2021			

Awards and Honors

- Recipient of "Best Outgoing Student" award from Bharati Vidyapeeth College of Pharmacy,
 Kolhapur, 2016-18 (M. Pharmacy)
- Awarded as a Member of 'Student Council' at Bharati Vidyapeeth College of Pharmacy, Kolhapur in 2017-18
- Recipient of 'Best Filmy Character' award from Bharati Vidyapeeth College of Pharmacy, Kolhapur, 2016-17.
- Recipient of 'Mr. SIPS' award from at Sinhagad Institute of Pharmaceutical Sciences,
 Lonavala, Pune, 2014-15

Achievements and Prizes

- Won Third Prize at ANVESHAN 2019-20, West zone inter-university student research convention, (INTER-STATE) Organized by Association of Indian Universities (AIU), New Delhi on 19-20th February 2020
- Won First Prize for poster presentation in 'AVISHKAR 2019-20' organized by KBC-NMU, Jalgaon on 8-9th January 2020
- Received Second Prize for poster presentation in 'Two day National Conference, Sponsored by AICTE (Delhi)' organized by R.C. Patel Institute of Pharmaceutical Education and Research (RCPIPER), Shirpur on 24-25th November 2019
- Won **First Prize** for poster presentation in '*AVISHKAR-2017-18*' organized by Shivaji University, Kolhapur on 29th December 2017
- Secured Rank Order at the master of pharmacy examination of Shivaji University, April 2018
- Runner Up position in intercollegiate cricket matches organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur, 2017-18
- Secured Rank Order at the Master of Pharmacy examination, Shivaji University, April 2017
- Won First Prize for 'Fashion show' organized by Sinhagad Institute of Pharmaceutical Sciences, Lonavala (Pune) Sunhare Lambe, 2014-15
- Won **Second Prize** for 'Street Play Competition' organized by Sinhagad Institute of Pharmaceutical Sciences, Lonavala (Pune) Sunhare Lambe, 2014-15.
- Won Second Prize for 'Fashion show' organized by Sinhagad Institute of Pharmaceutical Sciences, Lonavala (Pune) Sunhare Lambe, 2013-14
- Won Second Prize for 'Chess Competition' organized by Sinhagad Institute of Pharmaceutical Sciences, Lonavala, Pune, 2012-13
- Won Second Prize for 'Quiz Competition' organized by Dr. Babasaheb Ambedkar Government Boys Hostel, Baramati, 2011-12

Research Projects

M. Pharmacy (Pharmaceutics)

Title: "Development of Electrospun Protein Fibers for Modified Release of Lafutidine" Guide: Dr. Namdeo R. Jadhav

- Secured 3rd Position in "AVISHKAR 2018", Poster presentation competition at Shivaji University, Kolhapur in December 2018
- Secured 2nd Position "International Conference on Recent Advances in Nanotechnology and Radiopharmaceuticals in Drug Design and Development" at Surat in Feb. 2019.
- Research article Published (**Impact Factor: 3.87**)

ICMR Research Project

Title: "Fabrication of Surface Decorated Graphene Oxide Nanocomposites for the Label-free Prognosis of Alzheimer's Disease". Indian Council of Medical Research (ICMR), V. Ramalingawami Bhawan, Ansari Nagar, Post Box Bo.4911, New Delhi-110029

• Secured *Best E-poster* presentation award "*APTICON 2019*" Poster presentation competition at DIT University, in November 2019

Principal Investigator: Dr. Pravin O. Patil

Head of Dept. Pharmaceutical Chemistry,

H. R. Patel Institute of Pharmaceutical Education and Research,

Shirpur 425405

♣ **Ph.D. Project Title:** Development of Graphene Oxide-based Nanoprobe for Prognosis of Alzheimer's Disease

Research Guide: Dr. Pravin O. Patil

Head of Dept. Pharmaceutical Chemistry,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur 425405

Scientific Publications

Head	Published/Accepted
International Publications	23
National Publications	5
Total number of publications	28
Cumulative Impact factor	41.63
Book chapters	3
Patents	2

Key publications (International Journal with Impact Factor)

- Trupti A. Powar, Sopan N. Nangare, et al. Development and evaluation of lyophilized methotrexate nanosuspension using quality by design approach. Acta Chemica Solvonica. 2021 (Impact Factor: 1.73; Status: Accepted for publication)
- Sopan N. Nangare, Pravin O. Patil, et al. Surface architectured metal-organic framework-based biosensor for ultrasensitive detection of uric acid: Recent advancement and future perspectives. Microchemical Journal. 2021; 169: 106567. (Impact Factor: 4.821; Status: Published)
- 3. **Sopan N. Nangare**, Pravin O. Patil. Black phosphorus nanostructure-based highly sensitive and selective surface plasmon resonance sensor for biological and chemical sensing: A review. *Critical Reviews in Analytical Chemistry*. 2021; 10:1-31. (Impact Factor: 6.53; Status: Published)

- 4. **Sopan N. Nangare,** Pravin O. Patil. Nanoarchitectured bioconjugates and bioreceptors mediated surface plasmon resonance biosensor for *in vitro* diagnosis of Alzheimer's disease: Development and future prospects. *Critical Reviews in Analytical Chemistry*. 2021; 10:1-31. (Impact Factor: 6.53, Status: Published)
- Sopan N. Nangare, Namdeo R. Jadhav, et al. Silk industry waste protein: Isolation, purification and fabrication of electrospun silk protein nanofibers as a possible nanocarrier for floating drug delivery. IOP Nanotechnology. 2020; 32(3): 035101 (Impact Factor: 3.87; Status: Published)
- 6. **Sopan N. Nangare,** Pravin Patil. Affinity-based nanoarchitectured biotransducer for sensitivity enhancement of surface plasmon resonance sensors for *in vitro* diagnosis: A review. *ACS Biomaterial Science and Engineering*. 2020; 7(1)-2-30. (Impact Factor: 4.78; Status: Published)
- Rahul S. Tade, Sopan N. Nangare, Pravin O. Patil, et al., Recent advancement in bioprecursor derived graphene quantum dots: synthesis, characterization and toxicological perspective. IOP Nanotechnology. 2020; 31(29):292001. (Impact Factor: 3.87; Status: Published).
- 8. Pravin O. Patil, Gaurav R. Pandey, **Sopan N. Nangare**, *et al.* Graphene-based nanocomposites for sensitivity enhancement of surface Plasmon resonance sensor for biological and chemical sensing: A review. *Biosensors and Bioelectronics*, 2019; 135:111324. (**Impact Factor: 9.51; Status:** Published)

♣ Publications in Peer Review Journals without IF (20)

- Sopan N. Nangare, Pravin O. Patil, et al. Green synthesis of Fe-doped Ag-loaded reduced graphene oxide ternary nanocomposite for efficient photocatalytic degradation of toxic dyes. Advances in Natural Sciences: Nanoscience and Nanotechnology. 2021 (Status: Accepted for publication)
- Sopan N. Nangare, Pravin O. Patil. Prevalence, distribution, treatment, and modern methods for in vitro diagnosis of Alzheimer's disease in India: Challenges and future prospectives. *Thai Journal of Pharmaceutical Sciences*. 2021; 45(4). (Status: Accepted for publication)
- 3. **Sopan N. Nangare**, Mayuri M. Shitole, Namdeo R. Jadhav. Review on drug delivery applications of ethosomes: Current developments and prospects. *Thai Journal of Pharmaceutical Sciences*. 2021; 45(4). (**Status:** Accepted).
- 4. Pravin O. Patil **Sopan N. Nangare**, *et al.* Fabrication of N-doped graphene@TiO₂ nanocomposites for its adsorption and absorbing performance with facile recycling. *Nano Biomedicine and Engineering*. 2021; 13(2): 179-190. (**Status:** Published)

- 5. Rahul S. Tade, **Sopan N. Nangare**, Pravin O. Patil. Historical dilemmas of coronavirus disease (COVID-19): Public health emergency, management perspectives, and global impacts. *Asian Journal of Nursing Education and Research*. 2021; 9(3): 345-356. (**Status:** Published)
- 6. **Sopan N. Nangare**, Nikita Kumawat, *et al.* An Overview on phytochemistry, pharmacology, pharmaceuticals, traditional and economical aspects of *Agele marmelos*. *Asian Journal of Pharmacy and Technology*.2021; 11(2): 166-174. (**Status:** Published)
- 7. **Sopan N. Nangare**, Pravin O. Patil, *et al.* Pharmaceutical applications of citric acid. *Future Journal of Pharmaceutical Sciences*. 2021; 7(54):1-23. (**Status:** Published)
- 8. **Sopan N. Nangare**, Mayuri M. Shitole, *et al.* Development of novel freeze-dried mulberry leaves extract-based transfersomal gel. *Turkish Journal of Pharmaceutical Sciences*. 2021; 18(1):44-55. (**Status:** Published)
- 9. Rahul Tade, **Sopan N. Nangare**, Pravin Patil. Fundamental aspects of graphene and its biosensing applications. *Functional Composites and Structures*.2021;3(1): 012001. (**Status:** Published)
- Sopan N. Nangare, Shailesh Dugam, et al. Emerging era of microneedle array for pharmaceutical and biomedical applications: recent advances and toxicological perspectives. Future Journal of Pharmaceutical Sciences. 2021; 7(19):1-26. (Status: Published)
- 11. **Sopan N. Nangare**, Namdeo R. Jadhav, *et al.* Carbon dots: A novel trend in pharmaceutical applications. *Annales Pharmaceutiques Françaises*. 2021; 79(4):335-345. (**Status:** Published)
- 12. **Sopan Nangare**, Shailesh Dugam. Smart invasome synthesis, characterizations, pharmaceutical applications, and pharmacokinetic perspective: A review. *Future Journal of Pharmaceutical Sciences*. 2020; **6**, 123. (**Status:** Published)
- 13. Rahul S. Tade **Sopan N. Nangare**, Pravin O. Patil. Graphene conquering pharmaceutical horizons. *Inventi Rapid: Pharm Tech.* 2020; 2020 (2): 1-5. (**Status:** Published)
- 14. **Sopan N. Nangare,** Rahul D. Rathod, *et al.* Zero-order derivative and area under curve UV-spectrophotometric methods for determination of calcium levofolinate in bulk and pharmaceutical dosage form. *Asian Journal of Pharmaceutical Analysis*.2020; 10(3):129-133. (**Status:** Published)
- 15. **Sopan N. Nangare,** Pravin O. Patil. Green synthesis of silver nanoparticles: An ecofriendly approach. *Nano Biomedicine and Engineering*. 2020, 12(4):281-296. (**Status:** Published)
- 16. **Sopan N. Nangare,** Mayuri M. Shitole, *et al.* Pharmaceutical applications of silk sericin. *Annales Pharmaceutiques Françaises.* 2020; 78(6):469-486. (**Status:** Published)

- 17. **Sopan N. Nangare,** Mayuri M. Shitole, *et al.* Progress in erectile dysfunction therapy through drug delivery system. *Thai Journal of Pharmaceutical Sciences*.2020; 44(2)73-81. (**Status:** Published)
- 18. **Sopan N. Nangare,** Mayuri M. Shitole, *et al.* Pharmaceutical applications of electrospun nanofibers: A state-of-the-Art review. *Asian Journal of Pharmacy and Technology*. 2020:10(30):187-201. (**Status:** Published)
- 19. Rahul S. Tade, **Sopan N. Nangare**, Pravin O. Patil. Agro-industrial waste-mediated green synthesis of silver nanoparticles and evaluation of its antibacterial activity. *Nano Biomedicine and Engineering*. 2020, 12(1): 57-66. (**Status:** Published)
- 20. **Sopan N. Nangare**, Namdeo R. Jadhav, Pravin Ghagare, *et al.* pharmaceutical applications of electrospinning. *Annales Pharmaceutiques Françaises*. 2020; 78(1):1-11. (**Status:** Published)

Book Chapters

- 1. **Sopan N. Nangare,** Pravin O. Patil, *et al.* Arheitectured Polymeric Nanoplatforms Targeted Treatment of prostate cancer. **Publisher:** Springer
- 2. Mahesh More, **Sopan N. Nangare**, Pravin O. Patil, *et al.* Passive and active targeting approaches for solid tumors: Progress till date and associated challenges. **Publisher:** Springer
- 3. Rahul Tade, **Sopan N. Nangare**, Pravin O. Patil, *et al.* Polymer-based nanoplatform for breast cancer targeting. **Publisher:** Springer

Patents

Patent application no: 202121003034

Applicant: Sopan N. Nangare, Pravin O. Patil, Rahul Tade, Sanjay B. Bari

Patent application no: 202121003033

Applicant: Rahul S. Tade, Sopan N. Nangare, Pravin O. Patil, Sanjay B. Bari

Poster and Paper Presentations

- Poster presentation on "Fabrication of surface decorated graphene oxide nanocomposites for the label-free prognosis of Alzheimer's disease" ANVESHAN 2019-20, National level, Organized by Association of Indian Universities (AIU), New Delhi, and Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, on 15-16th December 2020
- Poster presentation on "Fabrication of surface decorated graphene oxide nanocomposites for the label-free prognosis of Alzheimer's disease" at 14th Maharashtra State Inter-University Research Convention, Mumbai University, held on 27th- 31th January 2020
- ♣ Poster presentation on "Fabrication of surface decorated graphene oxide nanocomposites for the label-free prognosis of Alzheimer's disease" at Dhule, district-level research convention, Avishkar 2019, held on 30th December 2019

- ♣ Paper Presentation on "Novel mulberry asava for diabetes treatment: Formulation optimization and preclinical studies" at AVISHKAR 12th Maharashtra State Inter-University Research Convention, Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri, held on 15th- 17th January 2018
- ♣ Paper Presentation on "Novel mulberry asava for diabetes treatment: Formulation optimization and preclinical studies" at AVISHKAR held at Shivaji University, Kolhapur on 29th December 2017
- Poster presentation on "Oral suspension of ornidazole and ofloxacin: taste masking by resin" at Sinhgad Institute of Pharmaceutical Sciences (SIPS), Lonavala National level seminar held on 13th and 14 February 2016

Seminars Delivered

- 1. Development of Electrospun Protein Fibers for Modified Release of Lafutidine (Micro Labs Limited, Bangalore)
- 2. Dissolution Test Apparatus (Compendial and Non-compendial)
- 3. Novel Herbal Drug Delivery System

Training Programmes and Workshops

- ♣ Participated in a two-day national conference on 'Need-Based Research and Development in Pharmaceutical Field for Serving Society' held at R.C. Patel Institute of Pharmaceutical Education and Research, Shirpur on 24-25th November 2019 (Sponsored by AICTE, Delhi)
- ♣ Participated in three days national level seminar on 'Structural Elucidation of Bioactive Compound' at Sinhgad Institute of Pharmaceutical Sciences, Lonavala on 5th-7th December 2014
- ♣ Participated in one day's national level seminar on 'Treaties and Practices of Intellectual Property Right' at Sinhgad Institute of Pharmaceutical Sciences, Lonavala on 4th February 2016
- ♣ Participated in a two-day national level seminar on 'Natural Product Chemistry: Drug Discovery and Development' at Sinhgad Institute of Pharmaceutical Sciences, Lonavala on 5th-6th February 2016
- ♣ Participated in a two-day national level seminar on 'Current Trends and Future Avenues in Pharmaceutical Formulations' at Sinhgad Institute of Pharmaceutical Sciences, Lonavala on 13th-14th February 2016
- ♣ Participated in a workshop on "Soft skill for Employability" Under Lead College Scheme, at Shivaji University, Kolhapur on 13th February 2017
- ♣ Participated in "Entrepreneurs Kolhapur 2017" organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur in 2016-17
- ♣ Participated in Training Program on 'Application of Data Analysis using Minitab 18' at T.K.C.P. Varnanagar, Kolhapur on 23rd January 2018

♣ Participated in a workshop on '*Patent Writing Workshop*' Intellectual Property Right Cell (IPRC) at Shivaji University, Kolhapur from 12th to 15th July 2018

Guest Lectures

- ♣ Successfully delivered a lecture on "Career Opportunities and Preparation of Job Interviews in Pharmaceutical Formulation and Development" at Bharati Vidyapeeth College of Pharmacy, Kolhapur, 2018-19
- ♣ Successfully delivered a lecture on "Personal Cleanliness" at Sangaon, Primary school, Sangaon, Kagal, Organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur, 2016-18

Special Contributions to the Society

- ♣ Participated in NSS camp at Sangaon, Kagal organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur in 2017-18
- ♣ Participated in NSS camp as Police Mitra in Ganesh Festival, Pune University, organized by at Sinhgad Institute of Pharmaceutical Sciences, Lonavala, 5th- 14th September 2012-13
- ♣ Volunteer in "Eye Check Camp" Sangaon, Kagal, Organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur, 2016-18
- ♣ Participated in "Swachata Abhiyan" at R. K. Nagar, organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur, 2017-18

Event Manager and Active Participation

- ♣ Member of the editorial board of college magazine "*PHARMARHYTHM*" in 2017-18, Bharati Vidyapeeth College of Pharmacy Kolhapur, 2017-18
- ♣ Worked as a Head of Discipline Committee for *Industrial Visit* 2017-18, Bharati Vidyapeeth College of Pharmacy Kolhapur
- ♣ Volunteer in "Faculty Development Program" organized by Bharati Vidyapeeth College of Pharmacy Kolhapur, 2017-18
- ♣ Volunteer in a workshop on "Research Promotion Activity" organized by Bharati Vidyapeeth College of Pharmacy, Kolhapur in 2017-18
- ♣ Student Member of "*Program Committee*" for Post graduation (M. Pharm), Bharati Vidyapeeth College of Pharmacy Kolhapur, 2016-17
- ♣ Head of Finance Committee for *Industrial Visit* 2016-17, Bharati Vidyapeeth College of Pharmacy, Kolhapur
- ♣ Participated in Sinhgad Krandak, "NEON" 'Mr. and Miss Sinhgad' intercampus Competition' at Sinhgad Institutes, Vadgaon (Pune) on 2014-15

Professional Affiliations

Registered Pharmacist, Maharashtra State Pharmacy Council (Registration No.195900

Computer Skills

- 1. Knowledge of various scientific databases: Science Direct, PubMed, Office of Generic Drugs, Orange book, ICH, and Various databases for determination of Pharmacokinetic and Pharmacodynamic Properties
- 2. Packages Known: MS Office (Word, PowerPoint, Excel)
- 3. Software handling: PCP disco, Origin Pro, BVCPK-Heckel, BVCPK-Kavakita, Minitab 19, etc.

Equipment Handling (Institute level)

Electro-spinning nanofiber unit, Fluorescence Microscope, UV-Visible spectrophotometer, Spray dryer, Freeze dryer, Tablet compaction machine, Dissolution test apparatus, Disintegration tester, Particle size analyzer, Motic microscope, Stability chamber, Rotary evaporator, Probe sonicator, Open SPR, Zeta seizer, cold centrifuge, Minipress tablet machine, etc.

Equipment Handling (Industry)

Manual Capsule filling machine, Conta blender, Hardness tester, Disintegration test apparatus, friability apparatus, Compression machine, Automatic capsule filling machine, GPCG 1.1, Roller Compactor, Coating machine, Power layering (Granulax 20)

Mandate/Job Responsibility at Industry

- Development batch and trails
- Laboratory notebook writing
- Analytical test request writing
- **♣** Data collection and interpretation
- Stability batches preparation
- ♣ Bio-batch execution and report writing

Area of Interest

- Formulation, Research, and Development
- ♣ Green synthesis of graphene-based material for biosensing and environmental remediation
- **4** Research interpretation, Publications, and Presentations

Professional Competency

Passed B. Pharm (first-class) and M. Pharm (First class with distinction) as well as qualified for GPAT and JRF (ICMR) having following skill sets:

- Strong knowledge of my subject
- ♣ Sound, understanding, confident lifestyle
- ♣ Good interpersonal skills and zeal to learn new things
- ♣ Strong and belief in own capabilities and ideas, exhibiting a "can do" attitude and seeing problems as solvable
- Hard-working, team player with a positive attitude

♣ Ability to meet deadlines and do multiple tasks, enthusiastic for work

Personal Details

Permanent Address: A/P- Lakhewadi, Tal- Indapur, Dist- Pune 413 103

Date of Birth : 06th Feb. 1994

Gender : Male

Marital Status : Unmarried

Nationality : Indian

References

Dr. Pravin O. Patil

Head of Dept. and Associate Professor Pharmaceutical Chemistry,

H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur: 425 405 Mobile no.: +919923484915

Dr. Sanjay G. Walode

Principal, Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research

(RMDIPER), Pune 411 019 Mobile no.: +919822692401

Dr. Namdeo R. Jadhav

Head of Dept and Professor, Pharmaceutics Bharati Vidyapeeth College of Pharmacy,

Kolhapur 416 013

Mobile no.: +91 9823751579

Dr. Sanjaykumar B. Bari

Principal, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur: 425 405

Mobile no.: +919923484915

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Mr. Sopan Namdev Nangare