

Curriculum Vitae

Name: Mr. Rahul Shankar Tade

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❖ Career Objective

Objective: To contribute in the field of academic and research to promote innovation in pharmaceutical sciences with honesty, dedication and responsibility towards students, research area and society. To excel in my area of interest by taking up challenging assignment to promote organization as well as self-development.

❖ Educational Details

Exam	Board/University/Institute	Year/Duration	Marks
PhD.	NMU, Jalgaon	From May 2018	Pursuing
Senior Research Fellow (DST-SERB Project)	HRPIPER, Shirpur	From June 2020	-
Junior Research Fellow (DST-SERB Project)	HRPIPER, Shirpur	2018-2020	-
M. Pharmacy (Pharmaceutics)	NMU Jalgaon	2016	68.7 %
Graduate Pharmacy Aptitude Test (GPAT)	All India Council For Technical Education	2014	130 Qualified (AI Rank 3010)
Gujarat State Forensic Science University, Gandhinagar, Gujarat	GSFSU, Gujarat	2014	17th Rank in India
NIPER	NIPER	2014	1051 Rank in India

B. Pharmacy	NMU Jalgaon	2014	64.40 %
H.S.C.	Nasik Board	Feb-2010	54 %
S.S.C.	Nasik Board	March-2008	62 %

❖ General Profile

- ✚ Capable to multi-task and coordinate various activities with time constraints.
- ✚ Able to adapt in new situations coupled with excellent communication and management skills.
- ✚ Ability to work independently and effectively as a good team player.
- ✚ Good analytical, creative and organizational skill.

❖ Industrial Training/Experience

- ✚ Industrial training of **One Month** in Haffkin-Ajanta Pharmaceutical, Jalgaon during the course of B. Pharmacy, in solid formation section, testing and packaging department.
- ✚ One Month Experience (One Week Training and Working) in Samrudh Pharmaceutical Pvt. Ltd. Tarapur, Boisar, Maharashtra, in Parenteral IPQC Departments

❖ Research Experience

- ✚ Worked as **Senior Research Fellow** (From June **2020-21**), on **DST-SERB** [ECR/2017/000905] Sponsored Project, “*Functionalized fluorescent graphene quantum dot based sensor for early detection of lung cancer and bioimaging*”, at HRPIPER, Shirpur.
- ✚ Worked as **Junior Research Fellow** (**2018-2020**), on **DST-SERB** [ECR/2017/000905] Sponsored Project, “*Functionalized fluorescent graphene quantum dot based sensor for early detection of lung cancer and bioimaging*”, at HRPIPER, Shirpur.
- ✚ **M. Pharmacy Dissertation Work:** “Preparation and Characterization of Magnetic Cellulose Fiber Nanocomposites for Efficient Delivery of Nystatin”
- ✚ Pursuing PhD. at KBC-NMU, Jalgaon, under guidance of **Dr. P. O. Patil.**, Registration No. **KBCNMU/11/Ph.D./Pharm./1092/2018**. Research Work entitled, “*Development of Nanoprobe for Cancer Sensing Application*”.

Research/Review Publications

❖ Research (Scopus, Sci-expanded with Impact)

1. Tade R.S. More MP, Chatap VK, Patil PO, Deshmukh PK. Fabrication and in vitro drug release characteristics of magnetic nanocellulose fiber composites for efficient delivery of nystatin. *Materials Research Express* – IOP, 2018 Sep 12;5(11):116102. (Impact Factor: 1.4)
2. Tade R.S. Patil PO. Green synthesis of fluorescent graphene quantum dots and its application in selective curcumin detection. *Current Applied Physics - Elsevier*. Nov 2020, 1;20(11):1226-36. (Impact Factor: 2.48)
3. Nangare SN, Dugam SS, Patil PO, Tade R.S. Jadhav N. Silk industry waste protein: Isolation, purification and fabrication of electrospun silk protein nanofibers as a possible nanocarrier for floating drug delivery. *Nanotechnology* – IOP, Oct 2020, 32(3):035101. (Impact Factor: 3.87)
4. Tade RS. Patil PO., One-pot synthesis of functionalized graphene quantum dots as ultrasensitive and selective fluorescent probe for the label-free detection of hTERT. *Biosensors and Bioelectronics* – Elsevier, (Impact Factor: 10.61) (Under Review)

❖ Reviews (Scopus, Sci-expanded with Impact)

1. Patil PO, Pandey GR, Tade R.S. Nangare SN, Graphene-based nanocomposites for sensitivity enhancement of surface plasmon resonance sensor for biological and chemical sensing: A review. *Biosensors and Bioelectronics - Elsevier*, 2019 Aug 15; 139: 111324. (Impact Factor: 9.5)
2. Tade R.S. Nangare SN, Patil A.G. Pandey A. Deshmukh PK. Dilip R Patil, More MP. Patil PO. Recent advancement in bio-precursor derived graphene quantum dots: synthesis, characterization and toxicological perspective. *Nanotechnology*. IOP, Apr 2020, 28;31(29):292001. (Impact Factor: 3.87)
3. Tade R.S. Patil PO. Theranostic prospective of graphene quantum dots (GQDs) in breast cancer. *ACS Biomaterials Science & Engineering*. Oct 2020, 27;6(11):5987-6008. (Impact Factor: 4.74)
4. Nangare S.N. Sangale P.M. Patil AG. Tade R.S. Deshmukh P.K. Bari SB. Patil P.O., Surface Architected metal organic frameworks-based biosensor for ultrasensitive detection of uric acid: Recent advancement and future perspectives. *Microchemical Journal - Elsevier*, 169:106567, 2021. (Impact Factor: 4.82)
5. Tade R.S. Nangare S. N. More M. P. Patil P. O., Graphene quantum dots (GQDs) Nanoarchitectonics for theranostic application in lung cancer, *Journal of Drug Targeting*, Taylor & Francis (Impact Factor: 5.12) (Accepted for publication)

❖ Other Research/Reviews (Peer-reviewed, Non-Impact)

1. Tade R.S. Kshirsagar SS, Chaudhari JC, Rajput SC, Kumavat SM, Vanjari RG. Spectrophotometric determination of sulfanilamide and effect of pH on its absorption spectrum. *Int J Pharma Res Health Sci.* 2018; 6 (2): 2447-50. (Research)
2. Tade R.S. More MP, Chatap VK, Deshmukh PK, Patil PO. Safety and toxicity assessment of parabens in pharmaceutical and food products. *Inventi Rapid: Pharmacy Practice.* 2018;3:1-9. (Review)
3. Tade R.S. Girase V.D. Gosavi A.A. Rathod M.R., Formulation and release kinetic study of sustained release pellets of diclofenac sodium. *Ijppr.Human.* 2018; Vol. 12 (1): 183-193. (Research)
4. Tade R.S. Patil PO., Agro-industrial waste-mediated green synthesis of silver nanoparticles and evaluation of its antibacterial activity. *Nano Biomed. Eng.* 2020, 12(1):57-66. (Research)
5. Tade R.S. Patil PO, Chatap VK. One-pot in situ synthesis of eco-friendly cellulose magnetic nanocomposite (Cf-MNCs) for dye adsorption application. *Functional Composites and Structures.* Dec 2021 3(2021): 015001. (Research)
6. Tade R.S. Nangare SN, Patil PO, Fundamental aspects of graphene and its biosensing applications. *Functional Composites and Structures.* Jan 2021, 3:(2021) 012001. (Review)
7. Tade R.S. Nangare Soman NM. Patil PO, Graphene conquering pharmaceutical horizons. *Inventi Rapid: PharmTech,* 2020(2): 1-5. (Review)
8. Nangare SN, Tade R.S. Dugam S, Shitole MM. Progress in erectile dysfunction therapy via drug delivery system. *Thai Journal of Pharmaceutical Sciences.* June 2020, 15;44(2). (Review)
9. Shitole MM, Dugam SS, Desai ND, Tade R.S. Nangare SN. Pharmaceutical applications of electrospun nanofibers: a state-of-the-art review. *Asian Journal of Pharmacy and Technology.* Aug 2020, 4;10(3):187-201. (Review)
10. Shitole M, Dugam S, Tade R S, Nangare S. Pharmaceutical applications of silk sericin. *Annales Pharmaceutiques Francaises.* Jun 2020, 78(6):469-486. (Review)
11. Rathod RD, Nangare SN, Patil VR, Rathod HS, Shitole MM, Tade R.S., 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.* 10 (3), 129-133. (Research)

12. Dugam, S. Tade R.S. Dhole, R. Nangare SN., Emerging era of microneedle array for pharmaceutical and biomedical applications: recent advances and toxicological perspectives. *Future Journal of Pharmaceutical Sciences*, **7, 19 (2021)**. (Review)
13. Nangare S.N. Vispute Y. Tade R.S. Dugam S. Patil P.O., Pharmaceutical applications of citric acid. *Future Journal of Pharmaceutical Sciences*, Feb 2021, **7, 54**. (Review)
14. Nangare S.N. Tade R.S. Patil A.G. Deshmukh P.K. Patil P.O., Fabrication of N-doped graphene@TiO₂ Nanocomposites for its adsorption and absorbing performance with facile recycling. *Nano Biomedicine and Engineering*, **13(2):2021**. (Research)
15. Nangare S. N. Tade R.S. A. G. Patil, Patil P. O., 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*, **12(2), 2021**. (Research) (Accepted for Publication)

❖ Patents

- ✚ Provisional patent filed, Application no: **202121003033**, Applicant: [Rahul S. Tade](#), Sopan N. Nangare, Pravin O. Patil, Sanjay B. Bari.
- ✚ Provisional patent filed, Application no: **202121003034**, Applicant: Sopan N. Nangare, [Rahul S. Tade](#), Pravin O. Patil, Sanjay B. Bari.

❖ Books/Book Chapters

1. Patil PO, More MP, Khan ZG, Tade RS, Deshmukh PK, Patil AG, Bari SB. Antibody-Mediated Diagnosis of Biomolecules. In *Nanobiosensors for Biomolecular Targeting* 2019 Jan 1 (pp. 165-193). *Elsevier*.
2. Contributed to Book Chapter entitled ‘Nanoarchitected polymeric nanoplatforms targeted treatment of prostate cancer; in “**Polymeric nanoparticles for treatment of solid tumors**”, **Springer**. (Upcoming).
3. Contributed to Book Chapter entitled ‘Polymer based nanoplatform for breast cancer targeting; in “**Polymeric nanoparticles for treatment of solid tumors**”, **Springer**. (Upcoming).
4. Contributed to Book Chapter entitled ‘Passive and active targeting approaches for solid tumors: Progress till date and associated challenge’, in “*Polymeric nanoparticles for treatment of solid tumors*”, **Springer**. (Upcoming).

❖ Teaching/Academic Experiences

- ✚ **ONE Year** [2016-2017] Teaching Experience at P. E. (Tatya) Patil College of Pharmacy, Jalgaon. (Diploma)
- ✚ **ONE Year** [2017-18] Teaching Experience at JES's College of Pharmacy, Nandurbar. (Degree)
- ✚ **THREE Years [2018-2021]** Teaching Experience at HRPIOP, Shirpur (Diploma)

❖ Areas of Interest

- ✚ Carbon-based nanomaterials
- ✚ Fluorescent biosensing
- ✚ Nanomedicine and NDDS
- ✚ Nano-toxicity study of pharmaceutical excipient
- ✚ Psychological & applied research

❖ Thrust Area of Research

- ✚ Advanced materials characterization
- ✚ Graphene based nanomaterials
- ✚ Biosensing
- ✚ Immunochromatography
- ✚ Cellulose biopolymers

❖ Conference and Workshop Attended

- 1) Participated in “Avishkar-2013” “*University Level Prize*”, at NMU, Jalgaon.
- 2) 2nd Pharma Industry-Institute Interaction Summit held on Theme Area “*Expectation of Pharma Industry from Emerging Professionals*” Organized by RCPIPET, Shirpur.
- 3) One-day *National* Conference on ‘*Trends in Chromatography & Spectroscopic Techniques*’ at R. C. Patel Institute of Pharmaceutical Education and research, Shirpur.
- 4) Participated in “Avishkar-2014” at *District Level* at Dhule.
- 5) One-day *National* conference on “*Nanomaterials, industrial polymers and eco-friendly coatings-perspectives and challenges*” at NMU, Jalgaon.

- 6) Participate in “Avishkar-2015” at *District Level* at Shirpur.
- 7) Attended Two Days [*International Conference*](#) and Poster Presented at RSC Symposium on “*Frontiers of Advances in Chemistry and Technologies*” Held on 11-12 Dec.2015 at NMU, Jalgaon.
- 8) One Day *National* Conference on “*Innovative Concepts And Methodologies in Pharmaceutical Research*” held on 4thMarch 2015 at HRPIPER, Shirpur
- 9) One Day *State* Level Seminar on “Intellectual Property Rights, Patents: Present Needs and Opportunities” at HRPIPER, Shirpur as *Local Organizing Committee Member*.
- 10) Participated in 2ndOne Day *State* Level Seminar on “*Intellectual Property Rights, Patents: Present Needs and Opportunities*” at HRPIPER, Shirpur.
- 11) Attended and Worked as Local Organizing Committee Member, in “*Inspire Internship Science Camp* held 15th- 19th Feb. 2016 by DST.”
- 12) Attended Two Days [*International Conference*](#) on “*Artificial Intelligence in Healthcare System*” Held at NMIMS, Shirpur on Dec.27-28/2016.
- 13) Attended in One Day *National* Conference on “*Innovative Concepts and Methodologies in Pharmaceutical Research- 3rd*” held on 10thMarch 2018 at HRPIPER, Shirpur.

❖ Guidance and Leadership Skills

- ❖ Guided *State Level Avishkar* Winner Student, for the *Research Work* Entitled, “*An Effective Water Purification from Agricultural Waste: Corn-Cobs*”, Dec-2016.
- ❖ Guided *State Level Avishkar* Winner Student, for the Fascinating *Review Work*, Entitled, “*Hunting Out the Silent Killers - Parabens*”, Dec-2018.
- ❖ Guided Student, Secured Runner Prize One Day *National* Conference on “*Innovative Concepts and Methodologies in Pharmaceutical Research- 3rd*” held on 10th March 2018 at HRPIPER, Shirpur.

❖ Equipments & Instruments Handling Proficiency

- ✓ **Skill in handling of analytical instrument:** UV-Spectrophotometer, FT-IR Spectrophotometer, Digital pH Meter, Spectrofluorometer, Particle Size Analyzer, Freezing Centrifuge, CEM Microwave Synthesizer, Hydrothermal Autoclave, etc.
- ✓ **Pharmaceutical instrument:** Tablet Compression Machine, Disintegration Test Apparatus, Multi-Station Dissolution Test Apparatus, Probe Sonicator, etc.

❖ Computer and Software Handling Proficiency

- ✓ **Basic software:** Microsoft Office™, Photoshop®, Adobe Illustrator®, LazPaint, etc.
- ✓ **Data modeling and representation software's:** Origin™, BIOVIA-Materials Studio®, FluorTools® (ale), E-Draw®, SigmaPlot®, ImageJ, Biorender®, ChemSketch®, etc.
- ✓ **Paper drafting and referencing/citations software's:** EndNote®, Mendeley, Zotero, Citavi™, etc.
- ✓ **Scientific data retrieval from various portals like;** Google scholar, Pub-Med, Sci-Finder, Sci-hub, Libgen, etc.

❖ Memberships

- ✚ Association of Pharmacy Profession
- ✚ Favored Author Program - [Dove Press](#) (free access for journal retrieving)
- ✚ Review team-member in “[International Journal of Research and Analytical Reviews](#),” ID: 113549, Since: July-2018.
- ✚ Review team-member in “[Acta Scientific Pharmacology Review Board](#)”, Since Feb. 2020.
- ✚ Invited Reviewer: [Food and Chemical Toxicology](#)
- ✚ Invited Reviewer: [NanoBioMedicine & Engineering](#)

❖ Personal Details

- **Name** : Mr. Rahul Shankar Tade
- **Permanent Address** : At/Post: Shirsolli P. B. Tal-Jalgaon, Dist.-Jalgaon- 425002,
Home Contact No. 9923934065
- **Date of Birth** : 8th September 1992
- **Marital Status** : Married

- **Language Known** : Marathi, Hindi, English.
- **Hobbies** : Reading, Literature writings, Music, Travelling and Photography

❖ Declaration

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

Date: / /2021

Place:

Sincerely,

Mr. Rahul Shankar Tade