



CURRICULUM VITAE

Dr. Mrs. Vidya Sunil Tale
M.Sc. (Microbiology)
Ph.D. (Biotechnology)

Designation: Assistant Professor,
Department of Microbiology,
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Google scholar : <https://scholar.google.com/citations?user=WQSjxYIAAAAJ&hl=en>

Work experience:

1. **Assistant Professor (Dec 2010- Till date)**
Rajiv Gandhi Institute of IT and Biotechnology,
Bharati Vidyapeeth Deemed University, Pune 411046
2. **Lecturer (June 2000-Jan 2006)**
Department of Microbiology and Biotechnology,
DSM College of Arts, Commerce and Science, Parbhani (Affiliated to Nanded University)

Research:

➤ **Major project ongoing:**

- 1) Co PI in DBT-BUILDER Project-University of Bharati Vidyapeeth (Deemed to be University) Rajiv Gandhi Institute of IT and Biotechnology Interdisciplinary Life Science Programme for Advance Research and Education (2021-2026) (Grant received: Rs 184 lakhs) (Co-I)
- 2) Principal investigator for the project entitled “Design and development of nanoparticle coated contact lenses for prevention of microbial keratitis.
Received Prototype Development Grant from NewGen IEDC Datta Meghe Institute of Medical Sciences (Deemed to University), Wardha (2022-23).
- 3) **BVDU funded Minor project ongoing:** “In Vitro and In Vivo Studies of Metal Oxide Nanoparticle Coated Silicone Hydrogel Contact Lenses to Prevent Microbial Keratitis” (Rs.1 Lakh)
- 4) **BVDU funded Minor project completed:**
 - 1) “Evaluation of effects of NSAIDS on probiotics”, funded by BVDU (2011-12) (Grant received: Rs 0.50 lakhs)
 - 2) “Micropropagation of Rhizomatic commercial plants” funded by BVDU (2021-22) (Grant received: Rs 0.60 lakhs)

● **Publications:**

- International: **35**
- Citations: **291**, h-index: **8**, i10- index: **6**

● **Experience:**

- Teaching: 21 years
- Research: 16 years (including Ph.D.)
- Ph.D. students: Completed: 01, pursuing: 03
- Conference proceedings: 25

● **Recognitions:**

- Recognized Ph.D. guide of BVDU for the subjects “Biotechnology, Bioinformatics and “Microbiology”
- Member, BOS, Rajiv Gandhi Institute of IT and Biotechnology, BVDU, Pune
- NIRF -Coordinator, Rajiv Gandhi Institute of IT and Biotechnology, BVDU, Pune (From 2017 till date)
- Nodal officer –AISHE, Rajiv Gandhi Institute of IT and Biotechnology, BVDU, Pune (From 2014 till date)
- ICT Coordinator, Rajiv Gandhi Institute of IT and Biotechnology, BVDU, Pune (From 2012 till 2019)
- Completed NPTEL SWAYAM course on Proteomics with Elite certificate

● **Publications:**

- 1) Manasee Wadgaonkar, **Vidya Tale** & Yashwant Chavan , Cloning of laccase gene from *Corioloopsis caperata* into heterologous *E.coli* host; Vegetos (Springer Nature) volume 36, pages195–200 (2023)
<https://doi.org/10.1007/s42535-022-00480-6>
- 2) Soham Lavande1 , Shraddha Jaiswal1 , Roshanee Deore1 , Jayant Pawar2 and **Vidya Tale1** * Metal Nanoparticle Synthesis Using Fruit Extracts as Reducing Agents and Comparative Studies with a Chemical Reducing Agent, Biosciences Biotechnology Research Asia (Indexed in Web of science), June 2022. Vol. 19(2), p. 487-496
- 3) Ambulkar, S., **Tale, V.**, Khilari, S.Evaluation of the antibacterial potential of traditional medicinal plants against bacteria isolated from dental caries, Journal of Pure and Applied Microbiology, 2021, 15(3), pp. 1204–1210 (Scopus Indexed) <https://doi.org/10.22207/JPAM.15.3.10>
- 4) Manasee Wadgaonkar, **Vidya Tale**, Yashwant Chavan, Media Optimization and Comparative Study of White-Rot Fungi Species for Their Capacity to Produce Laccase Enzyme, Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 4, 2021, 12487-499
- 5) Rane, M.A., Tale, V.S.**Probiotics as potential producer of phytase**, Current Topics in Peptide and Protein Research, 2020, 21, pp. 37–43(Scopus Indexed)
- 6) Pritee Chunarkar Patil*, Darshit Ashokkumar Patel and **Vidya Sunil Tale**, Metagenomic analysis of Dam Reservoirs in Pune city for bacterial fingerprints through BLAST and Kaiju tool, BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA, December 2020. Vol. 17(4), p. 839-852 <http://dx.doi.org/10.13005/bbra/2889>
- 7) Patil, PC Panchal, PS Madiwale, S, **Tale, VS**, An analysis of non-cultivable bacteria using WEKA, BIOINFORMATION 16 (8) , Aug 2020, pp.620-623
- 8) Ambulkar, Sonali kaustubh; **Tale, Vidya**; Jadhav, Abhijit; and Kulkarni, Komal (2019) "Biofilm forming ability of bacteria isolated from dental caries: with reference to Streptococcus species," Future Dental Journal of Egypt: Vol. 5 : Iss. 1 , Article 2. <https://digitalcommons.aaru.edu.jo/fdj/vol5/iss1/2n>
- 9) Ambulkar S, **Tale V***, Khilari S, Pawar J, Antibacterial And Antibiofilm Activity Of Quercus Infectoria Galls On Rothia Dentocariosa Isolated From Dental Caries, Asian J Pharm Clin Res, Vol 12, Issue 10, 2019, 159-162
<https://doi.org/10.22159/ajpcr.2019.v12i10.34725>
- 10) Das Sarkar D, **Tale VS*** Overview of Antibiotic Therapy to Methicillin Resistant *Staphylococcus Aureus* (MRSA) International Journal of Pharmaceutical and Clinical Research 2019; 11(1): 34-37
- 11) Shraddha Shirsat, Dhanashri Pawar, Nishita Jain, Jayant Pawar, **Vidya Tale***, Rabinder Henry, Synthesis of copper oxide nanoparticles by chemical precipitation method for the determination of antibacterial efficacy against *streptococcus* sp. and *staphylococcus* sp. *Asian j pharm clin res*, vol 12, issue 5, 2019, 135-138
<https://doi.org/10.22159/ajpcr.2019.v12i5.32270>

- 12) Nishita Jain, Preeti Bhosale, **Vidya Tale***, Rabinder Henry Jayant Pawar , Hydrothermal assisted biological synthesis of Silver nanoparticles by using honey and gomutra (Cow Urine) for qualitative determination of its antibacterial efficacy against *Pseudomonas sp.* isolated from contact lenses, Eurasian Journal of Biosciences, 2019 - Volume 13 Issue 1, pp. 27-33. (Scopus indexed)
- 13) Smruti Kanwate, **Vidya Tale**, Microbial Fuel Cells: It's Applications, *Indian Journal of Applied Microbiology*, Volume 21 Number 1 April - June 2018, pp. 69-77
- 14) Preeti Chunarkar Patil , **Vidya Tale**, Extraction of Metagenome from Potable Water to Analyze Microbial Fingerprints, **Open Access Journal of Science**, Volume 2 Issue 3 – 2018
- 15) Shaheen Sheikh, **Vidya Tale**, Effect of green synthesized Silver nanoparticles on Quorum sensing inhibition of UTI pathogens, *Asian J Pharm Clin Res* **2017**, Vol 10 issue 5, 302-305
- 16) Rudraksh Madkaikar, **Vidya Tale**, Isolation, Characterization and Optimization of Alkaline Protease producing novel marine fungi *Cladosporium Cladosporioides* Asian Journal of Microbiology, Biotechnology & Environmental Sciences 2017, Vol 19 No.2 1-7 (Scopus Indexed)
- 17) Yasmin Aktar Banu, Mayur Swamy and **Vidya Tale** , Isolation, characterization and antibiotic resistance pattern of Nosocomial bacterial isolates; *Asian Jr. of Microbiol. Biotech. Env. Sc.* Vol. 18, No. (2): 2016: 417-422. (Scopus indexed)
- 18) Shiwali Sharma, **Vidya Tale**, Overview of various DNA Profiling Techniques used in Forensics *Int J Pharm Bio Sci*; 7(3) (B) : 2016: 1186 – 1192
- 19) Nishita Jain, Preeti Bhosale, **Vidya Tale** Biofilm Formation on Contact Lenses by Bacterial Pathogens , *Journal of Pharmacy Research* 10(1), 2016 50-53.
- 20) Rahat Khan, Bagwan Sufiya, **Vidya Tale** Detection and Control of Biofilm Produced By Pathogenic Bacteria *Asian Journal of Multidisciplinary Studies* 3(12) ; 2015: 47-51.
- 21) Rudraksh Madkaikar, Pooja Mishra, **Vidya Tale**, Ratnal Belapurkar, Rama Bhadekar Isolation, Characterization and Screening of Marine Actinomycetes for Bioactive Compounds, *International Journal of Latest Technology in Engineering, Management & Applied Science* Volume IV, Issue III **2015** :21-23 (ISSN No. 2278-2540)
- 22) Kaustubh D.Sonkusale and **Vidya S Tale** Isolation and Characterization of Biofilm Forming Bacteria from Oral Microflora, *International Journal of Current Microbiology and Applied Sciences* Special Issue-2 ; 2015 :118-127 (ISSN: 2319-7706)
- 23) Anjali T. Jadhav and **Vidya S. Tale** Isolation and characterization of biofilm forming *Streptococcus* species from oral flora of cancer patients, *Int.J.Curr.Microbiol.App.Sci*, Special Issue-2: 2015: 38-47 (ISSN: 2319-7706)
- 24) Prajakta Mane and **Vidya Tale** (2015) Overview of Microbial Therapeutic Enzymes *Int.J.Curr.Microbiol.App.Sci.*2015.4(4): 17-26 (ISSN: 2319-7706)
- 25) Ratnal Belapurkar, **Vidya S Tale**, Rudraksh Madkaikar (2014) Exploiting Quorum Sensing to inhibit the Bacterial Pathogens *Int.J.Curr.Microbiol.App.Sci* 3(8) 453-458 (ISSN: 2319-7706)
- 26) Swanandi Pote, Yamini Chaudhary, Shruti Upadhayay, **Vidya Tale**, Sandeep Walujkar, Yogesh Shouche, Rama Bhadekar (2014) Identification and biotechnological potential of psychrotrophic marine isolates *Eurasia J Biosci* 8, 51-60 <http://dx.doi.org/10.5053/ejobios.2014.8.0.5>
- 27) Sumer Amin, **Vidya S. Tale**, Rama K. Bhadekar and Snehil Jaiswal Evaluation of effect of Non Steroidal Anti-Inflammatory Drugs on growth of probiotics; *International Journal of Pure and Applied Sciences and Technology*, Vol.20(1) :2014: 25-35
- 28) Manisha Kulkarni, Rajesh Patil, Kakoli, Dassharma, Arvind kulkarni, Madhura Mukadam, **Vidya Tale**, Herbal Topical Composition For Treatment Of Acne Vulgaris, A61k36/00, 2556/MUM/2014, 2014/8/22
- 29) Kaustubh Sonkusale, **Vidya Tale** Metagenomic approach for microbial diversity in environmental samples; *International Journal of Pharma and Biosciences* 4(4): (B) ; 2013:462 – 471.
- 30) Gauri Dixit, Deepti Samarth, **Vidya Tale**, Rama Bhadekar Comparative studies on potential probiotic characteristics of *Lactobacillus acidophilus* strains; *Eurasian J Biosci* 7, 2013 1-9 (ISSN: 1307-9867) <http://dx.doi.org/10.5053/ejobios.2013.7.0.1>
- 31) Rama Bhadekar, Swanandi Pote, **Vidya Tale**, Bipinraj Nirichan Development in analytical Methods for the detection of pesticides in environmental samples, *American Journal of Analytical Chemistry*, 2, 2011: 1-15 [10.4236/ajac.2011.228118](http://dx.doi.org/10.4236/ajac.2011.228118)
- 32) **Vidya Tale**, Vasant Pawar, Prashant Wakte) Optimization of pullulan fermentation conditions; *Bionanofrontiers* , 2007:1,1 (ISSN-0974-0678)