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GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA



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Mr. Ganesh G. Tilve

Assistant Professor, Department of Biotechnology

Faculty

Faculty of Engineering and Technology

School / Program

B.Tech. in Biotechnology

Faculty Introduction

Mr. Ganesh G. Tilve is currently serving as Assistant Professor in Department of Biotechnology, GMU. He holds M. Sc. Engineering By Research in Bioinformatics from Visvesvaraya Technological University, Belagavi and is currently pursuing Ph.D. from Davanagere University. His subjects of interests include Microbial Biotechnology, Bioinformatics and General Biotechnology.

Qualifications

Ph.D. (Specialisation)

Pursuing- Davanagere University, Davanagere, Karnataka

M.Sc. Engineering by Research (Equivalent to M.Tech) (Bioinformatics)

Visvesvaraya Technological University, Belagavi, 2017

BE (BT)

GM Institute of Technology, Davanagere, 2012

Experience

Teaching

- 5 years of teaching experience in GMIT and GMU, Davanagere till date
- 4 years of teaching experience in Triumphant Institute of Management Education (T.I.M.E), Davanagere from 2016- 2020

Industry

Nil

Research

- Application of fermentation products isolated from xylose- utilizing yeasts (Microbial Biotechnology)

Training Program Attended

- Attended training program organized by HiMedia Laboratories on “Molecular Biology Lab Techniques” on 22nd and 23rd May, 2025

Research Interest

- Microbial Biotechnology
- Fermentation Biotechnology
- Bioinformatics



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Awards & Achievements

- Guided one student to the Finale of **Manthan 17.0 Business Plan Proposal Competition** for the project titled “Genetic aberrations in Vitis by insilico methods” organized by **FKCCI, Bengaluru** in September 2025 and one student batch for **KSCST Funding (2025)**
- **Two patents** titled “A Novel Therapeutic Approach for Vitis Using in Silico Drug Screening and ADME Analysis” and “Fabric from Waste of Areca Catechu Folium and Aloe Vera” has been filed.
- Won **FIRST** prize in oral presentation for paper titled “**Isolation, characterization, identification and analysis of fermented products of xylose utilizing yeasts obtained from over-ripe fruits**” in International Conference- ICGCP- 2023 organized by Sathagiri College of Engineering, Bengaluru from 5-7 May, 2023
- Won **FIRST** and **SECOND** place in oral presentation as corresponding author for paper titled “*Isolation and characterization of xylose-fermenting yeasts for production of fermented products*” in **CHEMEXCEL-2022** organised by Department of Chemical Engineering, BIET, Davangere on 29th June, 2022 and **17th State Level ISTE Student Convention** held at GMIT, Davangere on 23rd July, 2022 respectively.
- Won **FIRST** place in oral presentation for paper titled “*Synthesis of chitosan nanoparticles and its antimicrobial application in medical protective wears*” in two day virtual national conference on “**Transforming Trends in Life Sciences and Health Care**” organized by Dwarka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai in association with Indian Science Congress Association (Chennai Chapter) on 17th and 18th November, 2021
- Book published titled “**Insilico Characterization of Tuberculosis Strains: A Phylogenetic Approach**” co-authored with Dr. Gurumurthy H, Lambert Publications, June 2020

Publication / Patents

- Ph.D. Dissertation: “Bio prospecting fermentation products of xylose utilizing yeasts isolated from over-ripe fruits”
- National Conference Papers: Nil
- International Conference Papers: Nil
- National Journal Papers:
 1. Gurumurthy.H., Miss Jyothi U Bhatkal, Miss Sridevi GB., Mr. Ganesh G. Tilve- “Insilico Docking Studies on Insecticide Resistance Acetylcholinesterase (Ache) Gene in Aphis gossypii and Bemisia tabaci”. *International Journal of Innovative Research in Science and Technology (IJIRST)*, Voumel 1, Issue 6/016, 2014. ISSN (2349-6010), 87-92
 2. Ganesh G. Tilve, Dr. Gurumurthy H, Naveen K H-“ InVitro Morphogenesis and Molecular Analysis in Coffee”. *International Journal for Innovative Research in Science and Technology*, Volume 8, Issue 2, July 2021 (ISSN- Online: 2349-6010)
- International Journal Papers:
 1. Ganesh G. Tilve, Seema J Patel -“Harnessing Over Ripe Fruits for Isolation and Optimization of Xylose Utilizing Yeasts and Analysis of its Fermentation Products”, *International Journal of Environmental Sciences*, Volume 11 No. 24s (2025): 4966-4980
<https://doi.org/10.64252/qxmzmn94>



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2. Gurumurthy.H, Srivindya, Pooja K, Vivek Chandra Mohan, Ganesh G. Tilve – “Comparative , Genomic, Proteomic and Phylogenetic Analysis on different Tuberculosis strains”, *International Journal of Pharmaceutical Science and Health Care (IJPHC)*, ISSN:(2249-5738), 2015.:65-72.IF:3.11
- Patents: 02 (Filed)
 1. A Novel Therapeutic Approach for Vitiligo Using in Silico Drug Screening and ADME Analysis (2025)
 2. Fabric from Waste of Areca Catechu Folium and Aloe Vera

Professional Membership

- Indian Society for Technical Education.

Awards & Recognitions

Nil

Administrative Responsibilities

Department Level: ERP Coordinator, IA Coordinator, Internship Coordinator, Cultural Coordinator, Alumni Coordinator, Department 5S Coordinator

University Level:

- President- Literary, Debate and Public Speaking Club (Non- Technical Club)
- Treasurer- Alumni Association

Workshops / FDPs / Seminars Attended

1. Participated in AICTE Sponsored FDP on “**Synthetic Biology and Biomimetic Applications**” organized by Department of Biotechnology, Sir MVIT, Bengaluru from 8th to 13th January, 2024
2. Participated in one week faculty development program on “**Research Prospects and Progress in Biological Science (RPPB-2022)**” organised by Department of Biotechnology, SRM Institute of Science and Technology, Chennai conducted from 4th to 10th July, 2022
3. Attended **AICTE Sponsored** Phase-3 One Week Short Term Technical Programme (STTP) on “**Start-up driven Bio-innovation and IOT for Sustainable Agritech**” organised by Department of Biotechnology, The Oxford College of Engineering, Bommanahalli, Bangalore from 13th December to 18th December, 2021

Workshops / FDPs / Seminars Organized

- HiMedia Hands-on workshop on “Molecular Biology Lab Techniques” (22nd and 23rd May, 2025)
- One day State Level Technical Symposium Jaivik- 23 on “Emerging Trends in Biotechnology” (29th December, 2023)

Projects Guided

- UG Projects : 12
- PG Projects: Nil

Funded Projects / Grants Received

- Student final year (2025 batch) project titled “Synthesis of Mosquito Repellents from *Cymbopogon citratus*” funded for Rs. 5000/- by KSCST, Bengaluru

Any Other Contributions

- Actively involved in organizing committee of various University events (Mallika, Graduation Day)