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GM UNIVERSITY

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



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SCOPUS: Sushma Bennuru

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Ms.Sushma B S

Assistant Professor in Biotechnology

Faculty

Faculty of Engineering and Technology

School / Program

Faculty of Engineering and Technology.

Faculty Introduction

I am Sushma B. S, working as an Assistant Professor in the Department of Biotechnology at GM University, Davanagere. I hold an M.Tech in Chemical Engineering from R.V. College of Engineering, Bengaluru. My teaching and research interests include process optimization, energy systems, water treatment, and waste management. I have guided several student projects and actively participated in academic and research activities. I am passionate about innovative teaching methods and fostering a practical learning environment for students.

Qualifications

Ph.D. (Biotechnology) - Pursuing
VTU, Belagavi

M. Tech. (Chemical Engineering)
RVCE- Bengaluru -2021

BE (Chemical Engineering)
BIET, Davanagere, 2018

Experience

Teaching

- 05 Years at GM Institute of Technology.

Training Program Attended

- Hands on Training on “Molecular Biology Techniques” arranged by Department of Biotechnology GMIT
- Training Session on Bioinformatics Tool – Rasmol

Research Interest

- Biofuels
- Waste management

Publication / Patents



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- Extraction of Anthocynin from black grapes and performing phytochemical analysis. – Filed.
- “Characterization and Treatment of Effluent from Gherkin Processing Industry Using Activated Carbon”, J. Indian bot. Soc. (2025) Vol. 105 (1): 56-61, 2025
- “Bio-waste processing and Development of Bio Manure Using Black Soldier Flies “, IJNRD | Volume 8, Issue 12 December 2023 | ISSN: 2456-4184,2023
- “Extraction of Fabrics from the Husk of Glycine Max “, International Journal For Multidisciplinary Research, Volume 5, Issue 6, November-December 2022

Awards & Recognitions

- Invited to present a work carried out on gherkin industry waste water.

Administrative Responsibilities

- Department Level : Academic coordinator, EMS Coordinator

Workshops / FDPs / Seminars Attended

- Attended FDP's arranged by Department of Biotechnology GMIT under staff enrichment program
- AICTE-ATAL Sponsored FDP on 'From Data to Impact: AI in Healthcare and Agriculture
- Attended workshop on “Intellectual Property Rights” At BIET Davanagere under KSCST

Workshops / FDPs / Seminars Organized

- Organized Two Days State Level Symposium – AVISHKAR

Projects Guided

- **UG Projects**
 - Extraction of Phenolic Compounds from Areca Husk
 - Synthesis of Soya Fabric
 - Design and Construction of Solar Powered Distillation Unit
 - Extraction of bio lubricants from fish oil residue
 - Non-Woven Fibers Production From Areca Nut Husk
 - Design and Development of Eco-Sort: A Sustainable Waste Segregator
 - Biodegradation of Plastic Using Bacillus brevis : A Microbial Approach to Waste Management
 - Bioactive Wall Coatings: Leveraging Saraca asoca Extracts for Anti – Microbial Protection.

Funded Projects / Grants Received



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- KSCST Funded Project –“ DEVELOPMENT OF BIOWRAPPERS USING BANANA PSEUDO STEM, SUGARCANE BAGASSE AND ARECANUT HUSK”. Guide : Dr.Gurumurthy H , Co-guide : Ms.Sushma B S . Grant of rupees 5500/-
- KSCST Funded Project –“ BIOSYNTHESIS OF SILVER NANOPARTICLES FOR APOPTOSIS AND ANTICANCER STUDIES AGAINST LUNG CANCER”. Guide : Dr.Prakash K K , Co-guide : Ms.Sushma B S . Grant of rupees 5500/-