



Department of Microbio

SHRI GOVIND GURU UNIVERSIT

About the Department

- The Department of Microbiology at Shri Govind Guru University is dedicated to developing future professionals and microbiologist with a solid understanding of the rapidly evolving fields of Microbiology.
- The Department emphasizes hands-on application learning through a variety of projects, research-oriented modules, industry visits and research-oriented project like problem-solving, analytical thinking, logical reasoning, research skill and prepare them to enter research, academic and Industry confidently and make a mark.
- The department of Microbiology offers M. Sc. through 4 semesters Choice Based Credit System (CBSC) and now New Education Policy (NEP).
- The Microbiology course provides a broad and diverse curriculum, offering students ample opportunities for professional growth and advanced research. Moreover, the Department of Microbiology offers a Ph.D. Programme in line with UGC regulations.

Programs Offered

M.Sc. and Ph.D. in Microbiology

- The M.Sc. degree in Microbiology is a programme that integrates theoretical and practical knowledge in microbial physiology, genetics, immunology, molecular biology, fermentation technology, tissue culture, IPR, Biosafety, and biotechnology. This degree provides hands-on training in microbiological techniques, bioinformatics, medical microbiology, industrial applications, and environmental microbiology.
- The Department also supports career preparation in research and academia through sessions on scientific writing, research proposal development, and exam readiness for NET and SET. Students' overall growth is fostered through MOOCs, professional electives, lab-based projects, and field immersion. Graduates can pursue successful careers in healthcare, research laboratories, pharmaceutical industries, and environmental agencies. The department can boast of a handsome collection of books in its own departmental library.
- Eligibility: Students who have completed their Bachelor of Science in Microbiology from any recognized university with a minimum of 55 percent are eligible to apply for this programme.
- The PhD programme will have a minimum duration of three years, including coursework, and a maximum duration of six (6) years from the date of admission. Students qualified CSIR NET or per the norms given by UGC and the university as per the time to time revisions, are eligible for admission.

Key features

- **Teaching and Learning Activities:** Engaging classroom teaching paired with interactive problem-solving session, laboratory-based learning to apply theoretical knowledge in practice. Encouragement for students to take up small research projects. Use of modern technology to enhance subject comprehension. Designing their practical and its demonstration. Choosing a subject and presenting them after thorough preparation. Self learning is encouraged. The department also has a rich collection of books
- **Research & Development Activities:** Promoting student participation in current microbiology research areas. Organizing guest lectures by experts in emerging microbiological fields. Collaborating with academic institutions and industry for research exposure. Connecting classroom learning with real-world microbiological applications. Encouraging to attend online workshops, seminars, symposium, internships.
- **Co-Curricular & Extracurricular Activities:** Hosting academic science exhibitions. Presenting creative student-led experiments and projects. Conducting awareness and engagement programs for schools and the public at large.
- **Skill Development & Career Guidance:** Facilitating hands-on training in microbiology tools, data analysis, bioinformatics, writing of research papers and references and related software. Preparing students for roles in both academic and professional sectors. Guiding students in pursuing higher education and securing career placements.

Faculty Member



Dr. P V Dharani
Coordinator & Head

➤ Has vast teaching and research experience numerous publications to her credit, attended various workshops, seminars.

GUEST LECTURER:
Dr.(Ms) S M Shaikh

C o - curricular Activity

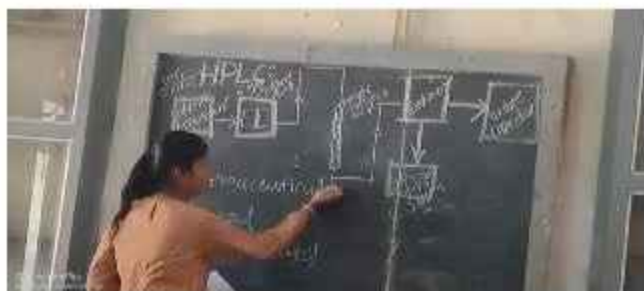
Industrial and Research Institute Visit



Poster presentations



Seminar presentation



Exhibition



Working on dissertation



Cultural Programme



Achievements

Shaikh Shagufta Mujiburrehman.
Awarded by SODH (Scheme of Developing High Quality Research) for Ph.D research.(2021 to 2023). Completed Ph.D in October 2024 at the Department Of Microbiology, SGGU



Nathani Amisha. Gold Medalist in M.Sc.Microbiology (2022-2024).
Department of Microbiology, SGGU.



**Best student award (Bhagtani
Avi) for M.Sc microbiology
(2022-2024) awarded by
Microbiologist society of India**



**Bhagtani Avi. Second prize in
poster presentation (25th
Science Congress, 2024) held
at SGGU**



Raval Dhruvi. First prize in poster presentation (25th Science Congress held at SGGU) in 2024.



Best student award (Solanki Grishma) for M.Sc microbiology (2023-2025) awarded by Microbiologist society of India.



Dissertation

M.Sc.:

- More than 30 students have completed Masters Dissertation on Biofertilizers, Biofuel, Single cell protein, Bioplastic, Enzymes, Antimicrobial activity, Citric acid, Halophiles, Plant tissue culture, microbial cell etc.

Ph.D. Research:

- One student awarded Ph.D. degree on the 'Biosurfactant production from waste'.
- Published research article in national and international journals.
- Presented oral and poster presentation at national and international seminars and symposium.
- One student pursuing Ph.D. on enzymes

Publications

- The department has about twenty research papers published in various journals and has couple of books published to their credit

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