



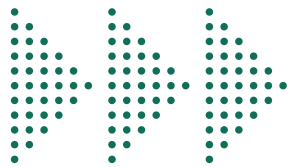
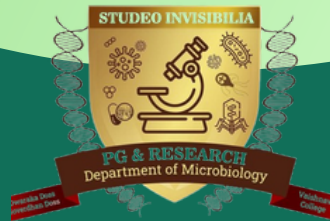
DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)
Reaccredited with A++ Grade by NAAC | Affiliated to the University of Madras
College with Potential for Excellence | Linguistic Minority Institution
Arumbakkam | Chennai - 600106

POST GRADUATE & RESEARCH DEPARTMENT OF MICROBIOLOGY

M.Sc., Microbiology

ADMISSIONS OPEN 2026-2027



COURSES OFFERED

M.Sc. Microbiology
Ph.D. Microbiology

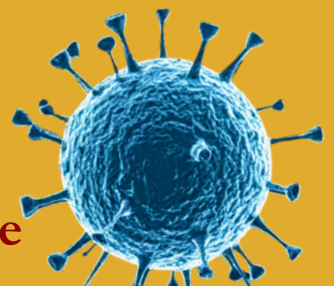
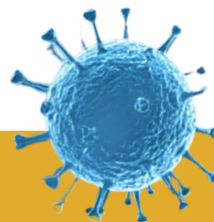
Advancing career through an industry aligned curriculum

CONTACT US

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Dr. Nisha J - 7358207956

🌐 <https://www.dgvaishnavcollege.edu.in>

Marching towards 30 years of Excellence



PG & Research Department of **Microbiology**



Vision

- *To deliver a compelling microbiology curriculum that equips students with strong systematic knowledge and essential skills.*
- *To nurture professionals with broad perspectives, strong knowledge, and innovation in interdisciplinary education and research.*



Mission

- To create a student-centered learning environment that nurtures academic excellence and intellectual growth.
- To strengthen scientific knowledge, critical thinking, and research capabilities.
- To develop skilled professionals and responsible citizens capable of contributing to society and global scientific advancement.
- To promote leadership, innovation, and industry readiness among students.

Pedagogues of our Department

Dr. S. Jagadeeswari, M.Sc., M.Phil., Ph.D., SET

Associate Professor & Head i/c

Dr. B. Kirthiga, M.Sc., M.Phil., Ph.D.,

Associate Professor

Dr. M. Abirami, M.Sc., M.Phil., Ph.D.,

Assistant Professor

Dr. V. Rajalakshmi, M.Sc., M.Phil., Ph.D.,

Assistant Professor

Dr. S.K. Anushashree, M.Sc. Ph.D.,

Assistant Professor

Dr. J. Nisha, M.Sc. Ph.D.,

Assistant Professor



PG & Research Department of **Microbiology**

Welcome to the Department of Microbiology, where we explore the world of microorganisms and their impact on health, environment and industry. The department combines strong academic learning with practical exposure under experienced faculty. We foster scientific curiosity and research skills, preparing students for careers in healthcare, research and biotechnology. The department features three main laboratories, a Central Instrumentation Room and two classrooms equipped with an e-Classroom, along with advanced instruments for hands-on learning.

The Department Club - Microbiota *A Legacy of 12 years.....*



Department organizes annual fest
Micromatsuri
celebrating talent, creativity and
vibrant student spirit



Why Microbiology in DDGDVC ?

Experienced faculty

Well equipped laboratories

Interdisciplinary Curriculum Design

Two industrial visit every semester,
to enhance practical exposure

Integrated Academic Knowledge &
Hands-on Training

Placements in premier food and
pharmaceutical industries

Job-oriented and research-driven
value- added courses

Pathway to Ph.D./Research

Eligibility for Admission – M.Sc., Applied Microbiology

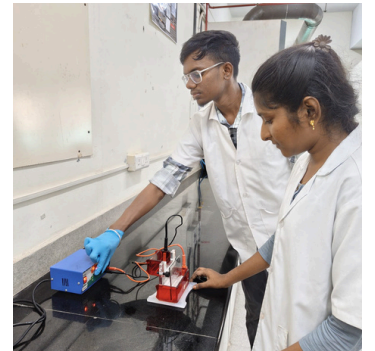
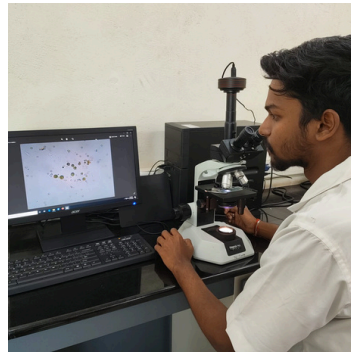
The candidate shall be admitted to the course provided:

- He/she has passed the bachelors degree in Science, in Microbiology, Zoology, Botany, Chemistry, Biology, Life science, Animal science, Biochemistry, Bioinformatics, Homescience, Nutrition and Dietetics, Biomedical science, Medical laboratory technology, B.S.M.S (or) B.A.M.S (or) B.U.M.S and Paramedical sciences of this University or other University recognized by the UGC as equivalent thereto.*
- Candidate shall be admitted to the examination only if he/she has taken the qualified degree in science/medical subjects as mentioned after having completed the prescribed courses consisting of 12 years of study and has passed the qualifying examination*

Laboratories



Instruments



Department Library



Research Corner



*Doctorate
Journey*

From Concept to Creation

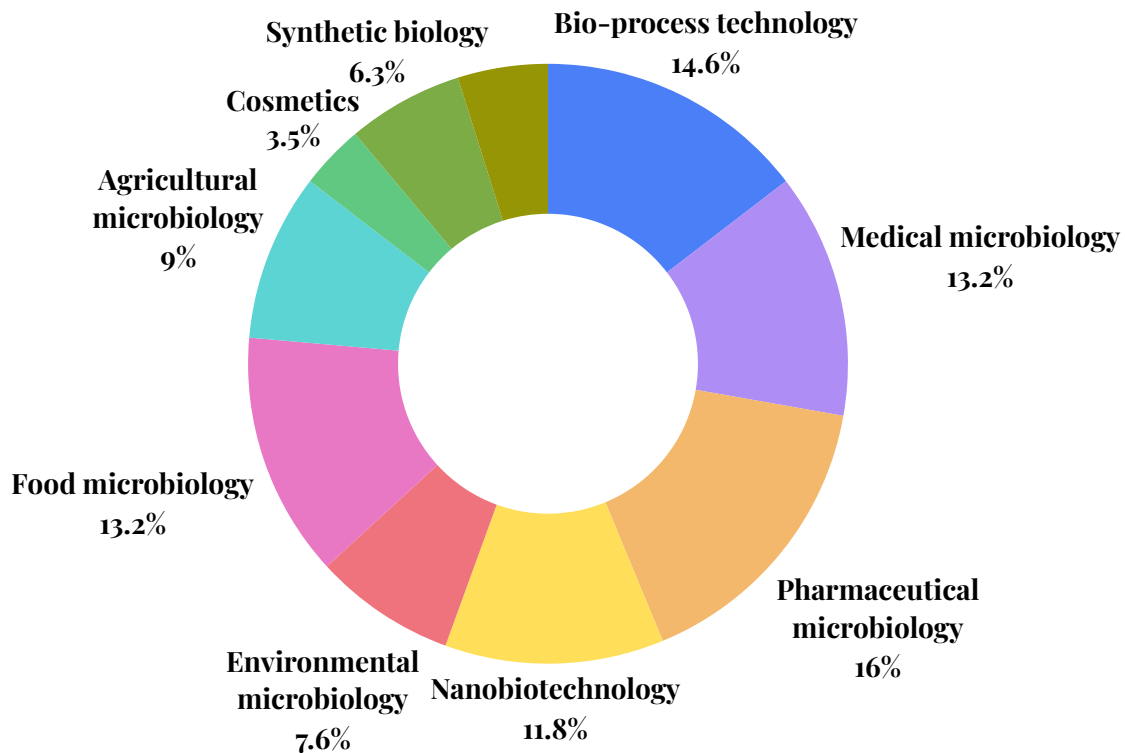
06

Ph.D. Conferred

10

Ph.D. Ongoing

Showcasing our diverse research domain that define our academic excellence



“ Persistence creates powerful achievements ”



Women Academic Excellence Award 2026

Dr. V. Rajalakshmi



Young Scientist award

Dr. S. K. Anushashree



🌟 Winners of overall trophy in Ethiraj Microfest 2025-2026 🌟



Oral presentation - IISNHE2026



Industrial Conclave - 2026
Nehru College of Arts and Science, Coimbatore



Best Student Award by Microbiologist Society, India

Beyond Curriculum: Building Future Skills

Opening doors to real opportunities through strategic

MoUs



Department offers Tailored Value Added Courses

Turning skills into career opportunities

Value added courses

Quality control analysis of ASU & herbal drug

“HACCP ISO 22000”
Internal auditor & QA/QC professional

Food Packaging & Labelling Regulationd (FSSAI)



LOTTE INDIA



Conferences & Seminars



**International Seminar
“Exploring, Emerging and Expanding
Vistas in Life Sciences”
August 5 2025**



**3rd International Conference on “Exploring
Innovative Technologies in Biosciences towards
Sustainable Development - EITB-SD 2026”
February 5 & 6 2026**

Workshop & Training Programs



**Spirulina Cultivation &
Harvesting**



Hands-on- Training RFLP

Designed to build industry relevant competencies



Workshop on Western Blotting



**Mushroom Farming: A Path to Agri-
Entrepreneurship**

Industrial Visits



Rado Labs



Sea, Supply & Sales : Exploring the Aquaculture Value Chain

Alumni Talk



How AI & IOT are transforming food safety



Entrepreneurship beyond classroom

Guest lectures



The Last line of Defense - You & Food Safety



Redefining limits: A journey beyond boundaries



Personal Branding & Visibility from Campus to Career



Bioinformatics for Beginners: A Practical Approach

Curriculum

1

- a) Fundamentals of Microbiology & Microbial Physiology
- b) Basics in Immunology & Immunotechnology
- c) Medical Microbiology I – Bacteriology & Mycology
- d) Microbial Genetics & Molecular Biology
- e) Core Practical I
- f) Core Practical II
- g) Soft Skill - I

2

- a) Medical Microbiology II – Virology & Parasitology
- b) Environmental Microbiology
- c) Food, Dairy & Industrial Microbiology
- d) Recombinant DNA Technology
- e) Core Practical III
- f) Core Practical IV
- g) Soft Skill - II

3

- a) Principles of Bioprocess Technology & Pharmaceutical Microbiology
- b) Entrepreneurship in Microbiology
- c) Discipline Specific Elective I – Employability Elective
 - (I A) Research Methodology & Biostatistics
 - (I B) Clinical Research & Clinical Trials
 - (I C) Cell Biology
- d) Discipline Specific Elective II – Entrepreneurship Elective
 - (II A) Brewing Technology
 - (II B) Apiculture
 - (II C) Aquaculture
- e) Multi – Discipline Elective / Open – Biofertilizer Technology & Organic Farming
- f) Core Practical V
- g) Internship
- h) Skill Enhancement Course – Discipline Specific I – Bioinformatics
- i) Soft Skill III

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- a) Discipline Specific Elective III – Entrepreneurship Elective
 - (III A) Freshwater Conservation and Treatment Technologies
 - (III B) Marine Biotechnology
 - (III C) Microalgal Technology
- b) Discipline Specific Elective IV – Employability Elective –
 - (IV A) Bioinstrumentation
 - (IV B) Soil & Agricultural Microbiology
 - (IV C) Forensic Biology
- c) Core Project / Dissertation
- d) Skill Enhancement Course – Discipline Specific II – Nanobiotechnology
- e) Industrial Visit
- f) Soft Skill IV

Designed to foster critical thinking, research skills, and innovation

Strategic Industry Collaboration

95% PLACEMENT
2023,2024,2025

Our institution fosters strong industrial collaborations and placement opportunities to bridge the gap between academic learning and real-world applications. Through partnerships with leading industries, students gain hands-on experience, internships, and exposure to current technologies. These initiatives enhance employability by equipping students with practical skills and ensuring successful career placements.

Placements

Where achievement meets opportunity, shaping successful careers

#wechallenge
weachieve

