

Department of Microbiology

1. Introduction / Overview

The Department of Microbiology is dedicated to the study, diagnosis, prevention, and control of infectious diseases caused by microorganisms. The department provides comprehensive motivational teaching, diagnostic, and research services in the field of Medical Microbiology. It strives to create an academically stimulating and research-oriented environment that nurtures future microbiologists capable of contributing to scientific advancements, healthcare delivery, and public health.

2. Vision and Objectives

Vision

To be a center of excellence in Medical Microbiology through quality education, innovative research, and reliable diagnostic services, contributing to improved healthcare and public health outcomes.

Objectives

1. To train undergraduate and postgraduate medical students in accordance with the guidelines prescribed by the National Medical Commission (NMC) and Maharashtra University of Health Sciences (MUHS).
2. To provide comprehensive education on the roles of microbial agents and immunological responses in maintaining health and driving disease.
3. To provide knowledge of the principles and applications of infection prevention and control practices.
4. To enable students to acquire essential diagnostic skills in Microbiology, including laboratory techniques and interpretation of microbiological investigations for the diagnosis of infectious diseases.
5. To inculcate ethical values, professionalism, and communication skills among undergraduate students as per the AETCOM curriculum.
6. To promote and facilitate research activities among faculty members, undergraduate students, and postgraduate students.
7. To encourage continuous professional development and upgradation of knowledge and skills among faculty members.
8. To encourage students to participate in ICMR research projects.
9. To encourage students to participate in quiz competitions held at intra-college and intercollege levels.

3. Mission and Goals

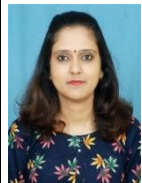
Academic Mission

To provide students with a comprehensive understanding of the natural history of infectious diseases, including their etiology, pathogenesis, laboratory diagnosis, treatment, prevention, and control, thereby preparing competent healthcare professionals and microbiologists.

Clinical Mission

Our clinical mission is to provide accurate, timely, and quality laboratory diagnostic services that support patient care, enhance patient safety, and contribute to effective clinical management. We are dedicated to driving antimicrobial stewardship and reducing the incidence of healthcare-associated infections (HAIs) through the stringent implementation of robust infection control practices.

List of Teaching Faculties

Sr. No.	Name of Faculty	Designation	Qualification	Total Teaching experience	Photo
1	Dr. Kishor Ingole	Professor & HOD	MBBS MD Microbiology	31 years	
2	Dr. Hitesh Adchitre	Associate Professor	MBBS MD Microbiology	20 years	
3	Dr. Sukhada Buwa	Assistant Professor	MBBS MD Microbiology	9 years	
4	Dr. Sagar Rane	Assistant Professor	MBBS MD Microbiology	1 year	

LIST OF RESIDENT DOCTORS

SR. NO.	NAME	DESIGNATION
1	Dr. Chetan Patare	Senior resident
2	Dr. Gaurang Chaudhari	Senior resident
3	Dr. Yudhisthir Ingale	Senior resident
4	Dr. Abhishek Kumar	Junior resident 3
5	Dr. Asfaq ahmad	Junior resident 3
6	Dr. Neelakshi Devi	Junior resident 2
7	Dr. Sujeet Kumar	Junior resident 2
8	Dr. Dipali Manohar	Junior resident 2
9	Dr. Yogesh Choudhary	Junior resident 2
10	Dr. Jayangi Panchal	Junior resident 1
11	Dr. Bhagyashri Patil	Junior resident 1
12	Dr. Snehal Dugad	Junior resident 1
13	Dr. Lalitkumar Chandre	Junior resident 1

Non-Teaching Staff

Designation	Name
Technical Staff	Shri. Sukhdev Patkari
Technical Staff	Shri Vishnu Rathod
Technical Staff	Shri Rameshwar Kakade
Laboratory Attendant	Shri Kishor Suryawanshi
Clerk	Shri. Rauf Pathan
Sanitation Staff	Mrs. Anjana Tayde

Departmental Activities

Continuing Medical Education (CME)

Sr. No.	Topic	Date
1	Sterilization Practices and Hospital Infection Control	15 September 2023
2	Infectious Diseases	11 December 2023
3	A Multidisciplinary Training Program for Doctors, Staff, Trainees, and Ground Support Workers.	13 February 2026
4	TB CME	8 April 2026

Best Practices, Facilities and Services Offered

The Department of Microbiology provides comprehensive diagnostic services in the fields of:

- Bacteriology
- Mycology
- Parasitology
- Serology
- Immunology
- Molecular Diagnostics (Viral Diagnostic Laboratory)

The Molecular Diagnostic Laboratory has been providing COVID-19 testing through Real-Time Polymerase Chain Reaction (RT-PCR) since March 2020. During the COVID-19 pandemic, the laboratory successfully processed and tested more than 400,000 samples, contributing significantly to disease surveillance, timely diagnosis, and patient management in the region.

We are committed to maintaining the highest standards of diagnostic precision. A key best practice of our department is the continuous improvement of report quality through strict adherence to External Quality Assessment Schemes (EQAS) for bacteriology, mycology, and serology, ensuring our laboratory data aligns with national and global benchmarks.

Research and Publications

Dr. Kishore V. Ingole

Total Publications: 13

Indexing: PubMed

Sr. No.	Publication Title	Journal	Year	Indexing
1	Primary cutaneous disease due to <i>Nocardia asteroides</i> – A case report	Indian Journal of Medical Sciences	1995	PubMed
2	Outbreak due to <i>Vibrio cholerae</i> El Tor & serotype O139 in Yavatmal	Indian Journal of Medical Research	1995	PubMed
3	Mycological aspects of dermatomycosis in Yavatmal	IJDVL	1995	PubMed
4	Changing pattern of <i>Vibrio cholerae</i> El Tor and O139 in Yavatmal	Indian Journal of Pathology & Microbiology	1997	PubMed
5	Re-emergence of <i>Vibrio cholerae</i> serogroup O139 in Yavatmal	Indian Journal of Medical Research	1998	PubMed
6	Actinophytosis (Botryomycosis) due to <i>Staphylococcus aureus</i> in diabetes mellitus	IJDVL	1995	PubMed
7	Study of proteases and enzymes of <i>Vibrio cholerae</i> O1 El Tor and O139	Indian Journal of Pathology & Microbiology	1998	PubMed
8	Chronic ulcerative gingivostomatitis due to <i>Corynebacterium ulcerans</i>	National Medical Journal of India	1996	PubMed
9	Nosocomial infection in gun-shot injury patient – A case report	Indian Journal of Medical Sciences	1998	PubMed
10	Reappearance of <i>Vibrio cholerae</i> serogroup O139 in Yavatmal	Indian Journal of Medical Sciences	2000	PubMed
11	Chronic ulcerative gingivostomatitis due to <i>Corynebacterium ulcerans</i>	National Medical Journal of India	1996	PubMed
12	<i>Vibrio cholerae</i> O1 Ogawa El Tor strains with ctxB7 allele driving outbreaks in South-Western India	Infection, Genetics and Evolution	2014	PubMed
13	Ciprofloxacin resistance in <i>Vibrio cholerae</i> O1 with ctxB7 genotype in Yavatmal	Clinical Microbiology and Infection	2017	PubMed

Dr. Hitesh R. Adchitre

Total Publications: 5

Sr. No.	Publication Title	Journal	Year	Indexing
1	Incidence of Pulmonary Tuberculosis in Chronic Asthmatic Patients	MedPulse International Journal of Microbiology	2020	Index Copernicus
2	Incidence of Pulmonary Nocardiasis at a Tertiary Health Care Centre in Dhule	MedPulse International Journal of Microbiology	2020	Index Copernicus
3	A Study of Seroprevalence of Transfusion Transmitted Infections (TTIs) Amongst Blood Donors in a Tertiary Care Centre of North Maharashtra: An 8.5 Years Study	Research Journal of Medical Sciences	2024	Index Copernicus / CrossRef
4	Knowledge and Perception of Anaesthesiology as a Branch of Medical Science and Anaesthesiologists' Role and Expertise Among Patients Attending Anaesthesia OPD in a Tertiary Care Centre in North Maharashtra, India	International Journal of Life Science, Biotechnology and Pharma Research	2025	Index Copernicus / CrossRef
5	Gene Xpert Based Two-Year Analysis of <i>Mycobacterium tuberculosis</i> from North Maharashtra Region	International Journal of Medical and Pharmaceutical Research	2026	Open Access (Index Copernicus)

Dr. Sukhada K. Buwa

Total Publications: 4

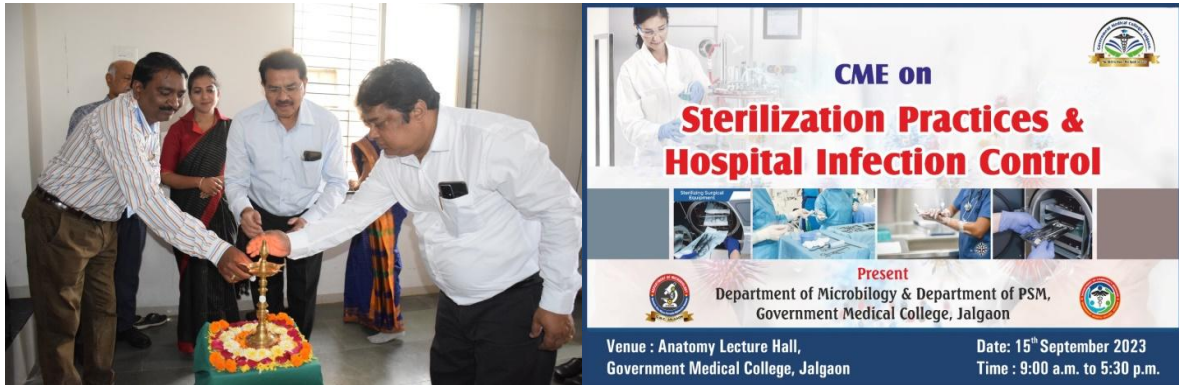
Sr. No.	Publication Title	Journal	Year	Indexing
1	GeneXpert-Based One-Year Analysis of Pulmonary Koch's Disease from North Maharashtra Region	International Journal of Current Research and Review	2019	Google Scholar, ICI
2	Linezolid and Vancomycin Susceptibility in MRSA Isolates from Clinical Specimens	International Journal of Pharmaceutical and Clinical Research	2023	Embase
3	Antimicrobial Susceptibility Pattern of Pseudomonas aeruginosa with Special Reference to MBL Detection	International Journal of Toxicological and Pharmacological Research	2023	Embase
4	Gene Xpert Based Two-Year Analysis of <i>Mycobacterium tuberculosis</i> from North Maharashtra Region	International Journal of Medical and Pharmaceutical Research	2026	Open Access (Index Copernicus)

Research Focus Areas

- Antimicrobial Resistance and Stewardship
- Hospital Infection Control
- Cholera and Enteric Infections
- Tuberculosis and Nocardiosis
- Molecular Diagnostics
- Clinical Bacteriology and Mycology
- Emerging Infectious Diseases

PHOTO GALLERY

Sterilization practices & Hospital infection control



Biomedical waste management training



World AIDS Day



TB CME





**Participation of Students in the Quiz Competition at the ASCLEIPIAD Event, GMC
Dhule**



Rangoli & Poster Competition

