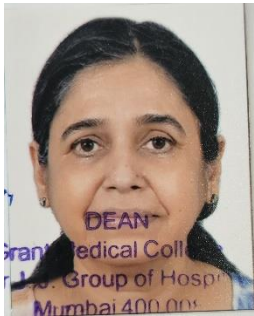










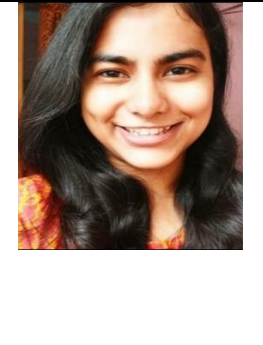
FACULTY



Designation	Number	Name of Faculty	Total number of Admission (Seats)
Professor & Head	1	Dr Ameeta Joshi	12 seats (previously 17 seats)
Associate Professor	5	Dr Shilpa Patil Dr. Nilma Hirani Dr Meghna Palewar Dr Kavita Bhilkar Dr Jyoti Bade	
Assistant Professor	11	Mrs Saroj Turbadkar Dr.Pradnya Meshram Dr Poonam Sayare Dr Sheetal Patil Dr Jaina Shah Dr Shraddha Dalvi Dr Snehal Dawane Dr Sharan Kadamba Dr Sabina Jahagirdar Dr Madhuparna Dev Dr Rachana Ambekar	
Senior Resident	1	Dr Prachi Shrivastav	

Sr. No.	Name	Photo	Educational Qualification	Latest Designation	Registration Number MMC
01	Dr. Ameeta Joshi		MBBS, MD Microbiology	Professor and Head	53905
02	Dr. Shilpa Patil		MBBS, MD Microbiology	Associate Professor	74742
03	Dr Nilma Hirani		MBBS, MD Microbiology	Associate Professor	2022/71226
04	Dr Meghna Palewar		MBBS, MD Microbiology	Associate Professor	2006072857

05	Dr. Kavita Bhilkar		MBBS, MD Microbiology	Associate Professor	2002/12/3762
06	Dr Jyoti Bade		MBBS, MD Microbiology	Associate Professor	2007/03/2310
07	Mrs Saroj Turbadkar		MSc (Microbiology)	Assistant Professor	-
08	Dr Pradnya Meshram		MBBS, MD Microbiology	Assistant Professor	2003/08/3317

09	Dr Poonam Sayare		MBBS, MD Microbiology	Assistant Professor	MCI/11-40003
10	Dr Sheetal Patil		MBBS, MD Microbiology	Assistant Professor	2016082432
11	Dr. Jaina Shah		MBBS, MD Microbiology	Assistant Professor	2017073496
12	Dr Shraddha Dalvi		MBBS, MD Microbiology	Assistant Professor	2012103079

13	Dr Snehal Dawane		MBBS, MD Microbiology	Assistant Professor	2011082598
14	Dr Sabina Jahangirdar		MBBS, MD Microbiology	Assistant Professor	2015041705
15	Dr Sharan Kadamba	 SHARAN KADAMBA 25.02.2024	MBBS, MD Microbiology	Assistant Professor	MMC2017052364
16	Dr Madhuparna Dev		MBBS, MD Microbiology	Assistant Professor	2018115606

18	Dr. Rachana Ambekar		MBBS, MD Microbiology	Assistant Professor	2017073488
17	Dr. Prachi Shrivastav		MBBS, MD Microbiology	Senior Resident	2018040929

RESIDENTS

No	Name of resident	Name of guide	Title of thesis	Admission year
1	Dr. Ankita Bora	Dr Poonam Sayare	Rapid Diagnosis of Mycobacterium tuberculosis in confirmed HIV Positive cases using Cartridge Based Nucleic Acid Amplification Test : A cross sectional study	2021
2	Dr. Gaurav Paul	Dr Kavita Bhilkar	Study of superficial surgical site infections in general surgeries at a tertiary care hospital	2021
3	Dr. Aswathi Vijay	Dr. Pradnya Meshram	A study of seroprevalence of Hepatitis delta virus in HBsAg positive patients admitted in a tertiary care hospital in Mumbai	2021
4	Dr. Bandana Panda	Dr. Nilma Hirani	Comparison of gene xpert and FL-LPA for detection of Mycobacterium tuberculosis and Rifampicin resistance from clinically suspected cases of pulmonary and extra pulmonary tuberculosis in tertiary care hospital in Mumbai	2021
5	Dr. Manisha Goswami	Dr Meghna Palewar	A descriptive cross sectional study to evaluate the prevalence of vulvo-	2021

			vaginal Candidiasis in tertiary care hospital and in vitro biofilm production as virulence factor in the isolated Candida species	
6	Dr. Nayana Francis	Dr Kavita Bhilkar	Mycological study of non-albicans candida infection at a tertiary care hospital: a prospective and descriptive study.	2021
7	Dr. Mahesh Kasbe	Dr . Pradnya Meshram	Comparative study of two methods, Rapid diagnostic test and Microscopy in diagnosis of Malaria at tertiary care centre	2021
8	Dr. Ruchita Choudhary	Dr Jyoti Bade	Rapid antimicrobial susceptibility Testing using positive blood culture broth: A prospective study at tertiary care hospital	2021
9	Dr Harshada Jondhale	Dr Meghna Palewar	A Prospective study of dermatophytic infection at a tertiary care hospital	2021
10	Dr. Joymita Mallick	Dr. Sunil Lilani	Characterization of Carbapenemases in Clinical Isolates of Carbapenem Resistant Gram Negative Bacilli at a Tertiary Care Hospital	2021
11	Dr. Poulami Biswas	Dr. Nilma Hirani	A Comparative Prospective Observational Study of Incidence & Assessment of Severity of Dengue & Chikungunya Mono Infection & Co-infection in patients of Acute Febrile Illness at a Tertiary Care Hospital	2021
12	Dr. Anushree Bijali	Dr Nilma Hirani	Genotypic & Phenotypic Characterization of Moxifloxacin Resistance in Mycobacterium tuberculosis isolates in a Tertiary Care Hospital.	2021
13	Dr. Tushar Thakur	Dr Jyoti Bade	A Comparative analysis between Rapid Antigen Test and RTPCR in covid-19 suspected patients	2021
14	Dr. Jeswin George	Dr. Sunil Lilani	Comparison of virulence factor of multi drug resistant (MDR) and non-MDR uropathogenic Escherichia	2021

			coli isolated from tertiary care center: A cross sectional laboratory based study	
15	Dr. Surbhi Bahal	Dr. Sunil Lilani	Microbiological profile of neonatal septicemia in a tertiary care hospital	2021

No	Name of student	Name of guide	Thesis topic	Admission year
1	Dr Anita Gore	Dr. Shilpa Patil	Prevalence of hepatitis B and hepatitis C in patients visiting tertiary care hospital in metropolitan city	2020
2	Dr. Shamala Chitralwar	Dr. Ameeta Joshi	Bacteriological profile and antimicrobial susceptibility pattern of endotracheal tube secretions in patients of intensive care unit: A prospective crosssectional study at a tertiary care hospital	2021
3	Dr. Anshumali Jyotishi	Dr. Meghna Palewar	Characterisation and antibiotic sensitivity pattern of Acinetobacter isolates with special reference to carbapenam and colistin in a tertiary care hospital.	2022
4	Dr. Varsha sadasivan	Dr. Pradnya Meshram	A study of sero prevalence of syphilis in HIV sero-reactive patients and their comparative evaluation using three diagnostic tests in a tertiary care hospital	2022
5	Dr. Barsha Bharati	Dr. Ameeta Joshi	To assess the prevalence of Extra-pulmonary Tuberculosis by rapid diagnosis using CBNAAT and it's correlation with Liquid Culture" gold standard" in a tertiary care hospital	2022
6	Dr. Anjani Senapati	Dr. Jyoti Bade	Mycological study of Onychomycosis at a tertiary care hospital"	2022
7	Dr. Minal Chopkar	Dr. Jyoti Bade	A study on Microbiological profile of central venous catheter related blood stream infections in a tertiary care hospital"	2022
8	Dr. Namrata Girhe	Dr. Meghna Palewar	A study of biofilm production in aerobic bacteria causing diabetic foot ulcer in tertiary care hospital	2022

9	Dr. Pimli Saikia	Dr. Ameeta Joshi	Evaluation of Diagnostic Utility of CBNAAT for Tuberculous Meningitis	2022
10	Dr. Jyoti Bala	Dr. Pradnya Meshram	A cross sectional study to compare C- reactive protein with blood culture in neonatal septicaemia in a Neonatal intensive care unit at Tertiary care hospital	2022
11.	Dr. Khushboo Nagpure	Dr. Kavita Bhilkar	A prospective study of antimicrobial resistance pattern of non-fermenting gram negative bacilli isolated from various clinical samples at a tertiary care hospital	2022
12.	Dr .Shatabdi Bhagat	Dr. Nilma Hirani	Prevalence of bedaquiline resistance among drug resistant TB cases at tertiary health care settings	2022
13	Dr. Tejswini sonvane	Dr. Ameeta Joshi	To Determine the Prevalence of Colistin Resistant Klebsiella pneumoniae Infections in Tertiary Care Center – An Observational Study”	2022
14	Dr. Nupur Chandra	Dr. Nilma Hirani	To assess utility of stool GeneXpert for diagnosis of pulmonary tuberculosis in paediatric population in a tertiary care hospital.	2022
15	Dr. Arzoo Mevekari	Dr. Shilpa Patil	Prevalence of Scrub Typhus in Acute Febrile illness patients at a Tertiary Care Hospital : A Prospective Observational study.	2022
16	Dr. Ambika Karunakaran	Dr. Kavita Bhilkar	A Prospective Observational Study on Bacteriological Profile of Catheter associated Urinary Tract Infection in Intensive Care Unit of a Tertiary Care Hospital.	2022
17	Dr Prashu Gupta	Dr. Nilma Hirani	Diagnostic utility of line probe assay in early detection of drug resistant pulmonary tuberculosis	2022

No	Student Name	Guide Name	Topic	Admission year
1	Dr. Moksha Daglia	Dr. Nilma Hirani	Prevalence and genetic profiles of Isoniazid resistance in clinically suspected multi drug resistant TB patients in a tertiary care hospital.	2023
2	Dr. Nikitha R	Dr. Meghna Palewar	To study prevalence, bacteriological profile and antibiogram of blood stream infection in MICU patients	2023
3	Dr. Ruchika Lato	Dr. Nilma Hirani	Identification and speciation of nontuberculous Mycobacteria in clinically suspected cases of pulmonary and extra-pulmonary nontuberculous infections using Matrix-Assisted Laser Desorption Ionisation-Time Of Flight Mass Spectrometry in a tertiary care hospital	2023
4	Dr. Anandu M	Dr. Meghna Palewar	Seroprevalence and Demographic profile of Hepatitis A and Hepatitis E in Acute hepatitis patients of a tertiary Care hospital	2023
5	Dr. Ananya Tiwari	Dr. Nilma Hirani	Detection of Mycobacterium tuberculosis in pleural fluid by CBNAAT and its correlation with liquid culture at tertiary care hospital	2023
6	Dr. Rasagna Nukula	Dr. Jyoti Bade	Study of immunovirological markers in PLHIV on HAART	2023
7	Dr Pooja Dod	Dr. Kavita Bhilkar	Phenotypic Characterisation of Coagulase negative Staphylococci causing blood stream infection at tertiary care hospital	2023
8	Dr Swati Bharaskar	Dr . Pradnya Meshram	A study on prevalence of Rotavirus infection in children below 5 years with acute gastrointestinal in a tertiary care hospital	2023

9	Dr Tejasvi Ghadage	Dr. Kavita Bhilkar	Prospective Study of Candida species Isolated from Bloodstream Infection at a Tertiary Care Hospital.	2023
10.	Dr. Dipali Kagde	Dr. Jyoti Bade	Seroprevalence of Hepatitis B Virus and Hepatitis C Virus in HIV seropositive patients in a tertiary care hospital-a cross sectional study	2023
11.	Dr. Vidya	Dr . Pradnya Meshram	To Assess the efficacy of an IgM ELISA and Microscopic agglutination test in the diagnosis of leptospirosis at tertiary care hospital	2023
12	Dr. Manisha Karad	Dr Poonam Sayare	Bacteriological and fungal profile of ear discharge and their antimicrobial susceptibility pattern in tertiary care hospital	2023
13	Dr. Riya Singh	Dr. Ameeta Joshi	Central nervous system healthcare and device associated infections in a tertiary care hospital	2023
14	Dr. Archana Pergulwar	Dr. Ameeta Joshi	High level Aminoglycoside and Vancomycin resistance in Enterococci species	2023
15	Dr. Shakira Khan	Dr. Ameeta Joshi	A Study of prevalence of asymptomatic hepatitis B and Hepatitis c virus infection in patient with maintenance hemodialysis in a tertiary care hospital .	2023
16	Dr. Sunita Bhoi	Dr. Shilpa Patil	A Study of in vitro susceptibility to ceftazidime avibactam in clinical isolate of carbapenem resistance Pseudomonas aeruginosa in tertiary care hospital	2023
17	Dr. Sharddha Sharma	Dr. Shilpa Patil	A Comparative Study of E test and Agar Dilution for detection of Vancomycin susceptibility in Methicillin Resistant Staphylococcus Aureus at a Tertiary Care	2023

			Hospital.	
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N o	Student Name	Guide Name	Topic	Admission year
1	Dr. Almas Sayyed	Dr. Shilpa Patil		20/12/2024
2	Dr. Lalrempui Chhangte	Dr. Nilma Hirani		31/01/2025
3	Dr. Tresia Aribam	Dr. Meghna Palewar		1/2/2025
4	Dr. Neharika Nag	Dr. Kavita Bhilkar		3/2/2025
5	Dr. Ritwika Sil	Dr. Jyoti Bade		17/02/2025
6	Dr. Amruta Bodde	Dr. Pradnya Meshram		20/02/2025
7	Dr. Yash Patil	Dr. Poonam Sayare		20/02/2025
8	Dr. Krutika Jadhav	Dr. Shilpa Patil		20/02/2025
9	Dr. Soni Gupta	Dr. Nilma Hirani		21/02/2025
10	Dr. Rashmi Akoskar	Dr. Meghna Palewar		24/02/2025
11	Dr. Zara Ansari	Dr. Kavita Bhilkar		23/12/2024
12	Dr. Rizwana Asad Ali	Dr. Jyoti Bade		30/01/2025

ACADEMIC ACTIVITIES

Sr. No.	Details
1.	Seminars (PG Activities, University Seminars)
2.	Journal Clubs
3.	Case presentations
4.	Group discussions
5.	Guest lectures
6.	Physician conference/ Continuing Medical Education (CME) organized.
7.	Undergraduate Teaching

Postings of PGs in other departments/ elsewhere:

a) Departments	Medicine, Pediatrics, Surgery, Pathology, Biochemistry, etc.
b) Other institutions	Government dental college , Mumbai
c) District Residency Program	Pandit Madan Mohan Malviya Shatabdi Hospital, Govandi. Kasturba Hospital for infectious disease, Chichpokali. TB Hospital, Shivadi

- PG students are posted outside the department at least for the minimum period as specified in latest curriculum: Yes
- Involvement of PG students in UG teaching – Yes.
- Health day celebrations - Yes
- Initiatives in improving public health system:
(Includes the HIC rounds, outbreak investigation, AMR surveillance, collaborative activities, etc)

1. **Health Education & Awareness Campaigns-**
 - a) Conducted Workshops & Seminars on preventive measures like Infection control practices, biomedical waste management, Hand hygiene
 - b) Spread awareness on health topics like HIV- AIDS, Hepatitis, Tuberculosis etc. as per the celebration of various public health days.
 2. **Research activities** – engagement of postgraduate students on infection-based research on topic of microbiological importance
 3. **CME:** Organize CME and TPMC.
 4. **Capacity Building for Healthcare Workers:** Provide training programs for local health workers (nurses, wardboys,) to improve their skills infection control.
 5. **Mentorship & Capacity Building of Undergraduate & Postgraduate students.**
 6. Department of Microbiology is involved in other undergraduate and post graduate courses run by the institute. Department also conducts **internship orientation programs** for **M.B.B.S. graduates** and **Bsc.PMT graduates**.
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- i. **Dept. of Microbiology submitting data to government authorities:**
 - A. IDSP data to Govt of India (IHR).
 - B. Antimicrobial resistance Data to NCDC.
 - C. Tuberculosis data to CTO, DTO, STO and NTI, Bangaluru
 - D. HIV data to MDACS, NACO
 - ii. **Participation in National Programs.**
 1. National Vector Borne Disease Control Programme (IEC activities)
 2. National Tuberculosis Elimination Program
 3. Anti microbial resistance
 4. National Centre for Disease Control
 5. National AIDS Control Program
 6. Integrated Disease Surveillance Programme

Microbiology Departmental Laboratories are located in 3 different buildings

1. **Pathology School:** Bacteriology lab , Mycology lab, Media preparation lab , Academic section



2. **TB building (ward 43) :** TB lab, Covid lab, ICTC lab



3. **J J hospital , Main building:** Serology lab- Central Clinical Laboratory (CCL)



Services provided by Department of Microbiology

1. Bacteriology, Mycology and Parasitology section:

- Bacterial Culture & Sensitivity (Aerobic)
- Blood Culture & Sensitivity
- Anaerobic culture
- Fungus Microscopy & Culture
- Parasitological examination

2. TB section:

- Microscopy (ZN/Fluorescent)
- GeneXpert Gen IV
- Line Probe Assay (First line & Second line)
- Solid culture on LJ medium
- TB Culture (Liquid)
- Liquid DST-1st line & 2nd line

3. Serology section (CCL):

- ASO test
- CRP test
- RA test
- RPR test
- WIDAL test
- MALARIA antigen test
- HBsAg test
- HCV IgM test
- HAV IgM test
- HEV IgM test
- DENGUE IgM & NS1 test
- LEPTOSPIRA IgM test
- Chikungunya IgM test

4. Virology section:

- HIV antibodies
- CD4 Lymphocyte count
- HIV-1 Viral Load
- SARS-CoV-2 Virus detection

UNDER GRADUATE TEACHING ACTIVITY

1. Classroom teaching:

- Lectures (II MBBS)
 - General Microbiology
 - Immunology
 - Hospital infection control
 - Bloodstream and cardiovascular system infections
 - Gastrointestinal infections
 - Hepatobiliary system infections
 - Skin and soft tissue infections
 - Respiratory tract infections
 - Central nervous system infections
 - Urogenital tract infections

2. Self directed learnings

- Students seminar - Seminar will be presented by a group of students after 1st term for a prealloted topic.
- Museum assignments
- Library assignments

3. Small group learnings

- Practicals
- SVL lab activity
- Research

