

Microbiology Department, KMC, Manipal

1. Why to choose MD Microbiology at KMC Manipal?

The department has over the years witnessed seminal progress leading to its National and International reputation. The department is actively involved in teaching, providing clinical diagnostic services and in carrying out research activities in the field of infectious diseases. The past and current research interests have bridged to a certain extent the existing lacunae in diseases like; Tuberculosis, Leptospirosis, Helicobacter pylori infection, Clostridium difficile infection, Salmonellosis, Brucellosis, Melioidosis, diarrheal and sexually transmitted disease, Hepatitis, HIV infection, Cryptococcosis, Invasive candidiasis, antimicrobial resistance etc. State-of-the-art facilities and a vibrant learning atmosphere ensure trainees to gain expertise in the field of clinical Microbiology. The diagnostic laboratory is equipped with automated microbial identification and susceptibility testing systems like MALDI-TOF and Vitek, Anaerobic workstation, MGIT-960, GeneXpert, Real time PCR, Immunofluorescence microscopy, DNA Microarray and Chemiluminescence equipments. The department runs a 24x7 Microbiology critical care laboratory which caters mainly to patients admitted in intensive care units. The laboratory which processes about 700-800 specimens per day is accredited by NABL. The post graduate teaching activities include lectures, seminars, journal clubs, case discussions and ward rounds.

2. Core competencies pursued during postgraduate training at Manipal

- General Microbiology
- Immunology & Serology

- Systemic bacteriology
- Mycology
- Virology
- Parasitology
- Mycobacteriology
- Applied Microbiology
- Infection Control
- Antibiotic stewardship

3. Career opportunities after Post graduation

- The graduating students can join teaching institutions and would be involved in diagnostic laboratory services and in infection control activities.
- The students can join corporate hospitals as consultant Microbiologists and Infection control officer.
- The students can become entrepreneurs setting up their own Microbiology labs.
- There is scope for engaging oneself into research programs and do a PhD in India or abroad.

Also Visit: <https://manipal.edu/kmc-manipal/department-faculty/department-list/microbiology.html>