

Bharati Vidyapeeth Deemed University Medical College

Department of Microbiology

Vision:

- 1.** To achieve National Accreditation Board of Laboratories (NABL) accreditation and maintain high standard of accurate diagnosis
- 2.** With newer instruments such as Line Probe Assay, RT-PCR, Fluorescent Microscope, etc. added to armamentarium, provide fast and accurate results in diagnosis of Tuberculosis too
- 3.** To become a renowned center for research and diagnosis of Microbiology related work.
- 4.** To undertake collaborative research projects with centres of excellence like NCCS, Pune and IRSHA.

Objectives:

- To cater to needs of patients of Bharati Hospital by way of providing prompt and accurate reports.
- To prepare undergraduate students with basic knowledge in Microbiology in order to continue their career in higher degree.
- To nurture Post Graduate students with knowledge and research abilities to further develop various techniques and related works.
- To provide a healthy environment to faculty to augment their creative power and capabilities in Microbiology in order to apply advance techniques for maintaining the accuracy in diagnostic approach.
- To reach out to clinicians proactively and thus take active part in patient management
- To perform research activities by way of Dissertations, various projects, CMEs, Workshops & Conferences related to Microbiology.

1. Introduction:

Infectious diseases are responsible for millions of death each year. And even though they may not kill, an enormous price is exacted in terms of loss of productivity, cost of hospitalization, antibiotic resistance, morbidity and instability.

The Department of Microbiology at Bharati Vidyapeeth Deemed University Medical College possesses qualified faculty and undertakes a training programme that is followed as per university guidelines.

Under graduates and post graduate students are encouraged to have an inquisitive mind, interact with faculty and undertake innovative research projects. They are trained on Infection control and antibiotic stewardship.

Started in 1990, Dr Phadke led the team from the front as Professor and Head. Today we have 2 Professors, 3 Associate Professors, 4 Assistant Professors and 3 Tutors. 9 Post Graduate students are registered and receive training under able guidance of a dedicated team of faculty headed by Dr (Brig) KK Lahiri.

2. The faculties are as under:

- Dr.(Brig) KK Lahiri – Professor and Head
- Dr. M Modak – Professor
- Dr. S Bhatwadekar - Associate Professor
- Dr. B Dalal - Associate Professor
- Dr. A Tolpadi - Associate Professor
- Mrs. S Jadhavar – Assistant Professor
- Dr. V Thakar - Assistant Professor
- Dr. AK Mane - Assistant Professor
- Dr. K Suryawanshi - Assistant Professor
- Dr. S Shah – Tutor
- Mrs. L Yadav – Tutor
- Ms. S Sawant – Tutor

3. Services offered:

1. Bacteriology

2. Serology
3. Mycology
4. Mycobacteriology
5. Parasitology
6. Molecular diagnostics
7. Infection Control

4. Innovations in Teaching Methodology:

a) Under Graduate Teaching-

- Interactive Debates on Microbiology topics
- Quiz based tutorials
- OSCE station pattern of Practicals

b) Post Graduate Teaching:-

- Microbial News- Current Microbiology related topics occurring in the city/country/world wide on a monthly basis are discussed.
- Clinical Rounds of wards and critical care areas are taken on a daily basis to train post graduates on the application of microbiology findings in a clinical setting.
- Bench work interpretation of various clinical samples is presented for discussion.
- Clinical case discussions
- Special lectures on current topics.
- Infection control rounds
- Journal Club with discussion on articles from renowned journals.

5. Research projects in the department and Collaborative Research projects with other Institutions are being undertaken and encouraged

6. External Quality Control is undertaken for Bacteriology and Mycology from CMC Vellore and PI Chandigarh.

7. Museum - Models displayed of various microbes are made by students.

8. Visit Centres of Excellence in Pune related to Life Sciences by students.

