

Name of Department: - Microbiology

Location of Department: - College Building First Floor

Details of Faculties:

Sr.No	Name	Designation
1	Dr.Jyoti Anil Iravane	Professor & Head
2	Dr.Jayshree Balkrishna Bhakare	Associate Professor
3	Dr.Anil Arjunrao Gaikwad	Associate Professor
4	Dr.Rajesh Sahebrao Ovhal	Associate Professor
5	Dr.Mangala Suresh Harbade	Associate Professor
6	Mr.Laiq Ahmed Gulam Ahmed Jaffari	Assistant professor
7	Dr.Sharvani Chandraiyya Kante	Assistant professor

Temporary Staff/Contractual

Sr.No	Name	Number
1	Contractual Professor	00
2	Contractual Associate Professor	00
3	Contractual Assistant Professor	01
4	Senior Resident Sanction Post	05
5	Per Year Intake of PG	13

Faculty Information

Name: - Dr.Jyoti Anil Iravane(Bajaj)

Email: - jairavane@hotmail.com

QUALIFICATION: -

1. **MBBS:** - November/1989, Government Medical College, Aurangabad (MH)
2. **MD:** - April/1994, Government Medical College, Aurangabad (MH)
3. **Other Courses in any:** -
 1. Technical Assessor NABL for ISO 15189:2012.
 2. Bio risk Management by GBRMC.



PRESENT DESIGNATION: -

Professor & Head, Govt. Medical College, Chhatrapati Sambhajnagar (MS).

Publication: -

National: - 17

International: - 52

Books: -

1. NA

Resource Person: -

1. Appointed to the WHO Strategic and Technical Advisory Group for Antimicrobial Resistance (STAG-AMR) for three year 2024-2027.
2. Nodal Person and Coordinator – MAHASAR (Maharashtra Surveillance of Antimicrobial Resistance) Network since 2017.
3. NCDC for the development of the National Action Plan 2.0 for AMR.
4. DHR & DG ICMR to review waste water surveillance under the one health mission.
5. Center for One Health, NCDC to review & finalize LRP for priority zoonotic disease.
6. DGHS and Director NCDC and ICMR to develop 'National Treatment guidelines for antibiotic use in management of common infectious disease syndromes' – Urine.
7. DGHS and Director NCDC and ICMR to develop 'National Treatment guidelines for antibiotic use in management of common infectious disease syndromes' – Gastro-intestinal.
8. INFAAR, Indian Network for Fishery and Animals Antimicrobial Resistance.
9. Principal Investigator for Sentinel Surveillance site for Zoonotic diseases

(NOHPCZ).

10. Principal Investigator for Influenza & RSV surveillance.
11. Principal Investigator for kit validation – TB Diagnostics and COVID-19 Rapid kits through ICMR.
12. Assessor for IDRDL Labs under ICMR.
13. Principal Investigator for the EQA provider activity for ICMR.
14. TB labs under CTD & FIND towards quality improvements and accreditation in India, Bangladesh and Sri Lanka.
15. Master Trainer for National Viral hepatitis Control Program & PI of National Viral Hepatitis Surveillance Program under NCDC.
16. Chairman of the curriculum committee for phase-2.
17. Chairman of the academic Committee of GMC, CSN.
18. Curriculum implementation Support program Faculty.
19. BCME Faculty.
20. Infection Prevention Control National Trainer.

Awards: -

1. President of the Maharashtra State Chapter IAMM 2017-18.
2. Felicitation at the hands of Ex-Chief Minister Hon. Eknathji Shinde in August 2024

Life member of subject associations: -

1. IAMM (Indian Association of Medical Microbiologist)
 2. HIS (Hospital Infection society of India)
-

Faculty Information

Name:- Dr.Jayshree Balkrushna Bhakare

Email:- jbhakre@gmail.com

QUALIFICATION:-

- 1. MBBS:-** January/1993, Govt. Medical College,
Aurangabad (Maharashtra)
- 2. MD:-** December/1997, Govt. Medical College,
Aurangabad (Maharashtra)
- 3. Other Courses in any:-** (specify as Above)

PRESENT DESIGNATION:-

Associate professor

Govt. Medical College Chhatrapati Sambhajnagar (MS) 431001

Publication:-

National :- 04

International :- 20

Books:- Nil

Resource Person:-

- | | | |
|---------------|-------------------------|-----------|
| 1. BMW | 2. IDSP | 3. NVBDCP |
| 4. Phlebotomy | 5. Equipment Management | |

Awards:- IAMM State Chapter Secretary for Year 2017-18

Life member of subject associations: -

1. Indian Association of Medical Microbiologist
 2. Hospital Infection Society of India
 3. Indian Society of Medical Mycologist
-



Faculty Information

Name:- Dr. Anil Arjunrao Gaikwad

Email:- dranil555@gmail.com

QUALIFICATION:-

1. **MBBS:-** December/1994, SRTR Govt. Medical College,
Ambajogai Dist: Beed(MH)

2. **MD:-** June/1999, Govt. Medical College,
Aurangabad (MH)

3. **Other Courses in any:-** Nil

PRESENT DESIGNATION:-

Associate professor

Govt. Medical College Chhatrapati Sambhajinagar (MS) 431001



Publication:

National:- 02

International:- 20

Books:- Nil

Resource Person:-

- | | | |
|--------------|---------|-------------------------|
| 1.MET | 2. BCME | 3. Research Methodology |
| 4.BMW | 5.CISP | 6.AMR |
| 7.Phlebotomy | | |

Life member of subject associations: -

1. Indian Association of Medical Microbiology.
 2. Hospital Infection Control Society of India.
 3. Indian Academy of Tropical Parasitology.
-

Faculty Information

Name:- Dr.Rajesh Sahebrao Ovhal

Email:- drovhal@gmail.com

QUALIFICATION:-

1. **MBBS:-** July/1998, Govt. Medical College,
Aurangabad (Maharashtra)

2. **MD:-** September/2001, SRTR, Govt. Medical College, Ambajogai (MH)

3. **Other Courses in any:-** Nil

PRESENT DESIGNATION:-

Associate professor

Govt. Medical College Chhatrapati Sambhajinagar (MS) 431001

Publication:-

National:- 04

International:- 03

Life member of subject associations: -

1. Indian Association of Medical Microbiology



Faculty Information

Name:- Dr.Mangala Suresh Harbade

Email:- drmduthade@gmail.com

QUALIFICATION:-

1. **MBBS:-** January/1992, Govt. Medical College,
Aurangabad (Maharashtra)

2. **MD :-** March/2003, Govt. Medical College, Aurangabad (Maharashtra)

3. **Other Courses in any:-** HIC Training

PRESENT DESIGNATION:-

Associate professor

Govt. Medical College Chhatrapati Sambhajinagar (MS) 431001

Publication:-

National:- 00

International:- 13

Resource Person:-

1. Phlebotomy

Life member of subject associations: -

1. IAMM (Indian Association of Medical Microbiologist)



Faculty Information

Name:- Mr.Laiq Ahmed Gulam Ahmed Jaffari

Email:- lajaffari@gmail.com

QUALIFICATION:-

- 1. B.Sc.:-** June/1991, Azad College, Aurangabad (Maharashtra)
- 2. M.Sc.:-** December/1994 Govt.Medical College, Aurangabad (Maharashtra)
- 3. Other Courses in any:-** Nil



PRESENT DESIGNATION:-

Assistant Professor

Govt. Medical College Chhatrapati Sambhajinagar (MS) 431001

Publication:-

National:- 05

International:- 00

Life member of subject associations:-

1. Indian Association of Medical Microbiology
-

Faculty Information

Name:- Dr. Sharvani Chandraiyya Kante

Email:- sharvanikante@gmail.com

QUALIFICATION:-

- 1. MBBS:-** February/2013, Govt.Medical College, Aurangabad (Maharashtra)
- 2. MD:-** September/2021, Govt.Medical College, Aurangabad (Maharashtra)
- 3. Other Courses in any:-** PDCC(Postdoctoral certificate course)in Medical Mycology, SRMC and RI ,Chennai



PRESENT DESIGNATION:-

Assistant Professor, Govt. Medical College Chhatrapati Sambhajinagar (MS)
431001

Publication:

International:- 03

Awards:-

- 1.Prize in poster presentation on “ Indian Tick Typhus” (IRCON 2020)
- 2.Second Prize in Case Presentation “ A rare case of mucormycosis” at 14th Annual Workshop on Basic and molecular Diagnostic in mycology by SRMC&RI (Chennai) (April 2022)
- 3.Third prize in Quiz competition at 14th mycology workshop by (ASRMC & RI) (April, 2022)
4. Third prize in Quiz competition at 15th mycology workshop on Basic and Molecular Diagnostic in Mycology by (ASRMC & RI) (Sept.2023)
5. Certified Internal Auditor & Quality management system as per I/ISO 15189-2002)
6. Basic course in Biomedical Research certified by ICMR (Sept.2023)

Life member of subject associations:-

1. IAMM (Indian Association of Medical Microbiologist)
 2. ISMM (Indian Society of Medical Mycologists)
-

Facilities provided by the Departments: (Patient care/Lab/others)

Name of the investigations

Sr.No	Particulars	Utilities
	<u>SEROLOGY SECTION</u>	<u>Turnaround time</u>
01	Routine Tests:	24 hours
02	ASO Latex Agglutination test	24 hours
03	Rheumatoid Factor Latex Agglutination test	24 hours
04	Widal Slide and tube test for Enteric Fever	24 hours
05	RPR test for Syphilis	24 hours
06	C-Reactive Protein Latex Agglutination test	24 hours
07	Dengue NS1, IgM and IgG Rapid test	24 hours
08	Dengue NS1 And IgM ELISA test	7 days
09	Leptospira Rapid & IgM ELISA	24 hours
10	Weil-Felix test	24 hours
11	Scrub Typhus Rapid test and ELISA	24 hours
12	Hepatitis A IgM ELISA	24 hours
13	Hepatitis E IgM Elisa	24 hours
14	Measles IgM ELISA	7 days
15	Chikungunya IgM ELISA	7 days
16	Brucella Antibody Test	24 hours
17	Clostridioides difficile Toxin detection and PCR test	24 hours
	<u>BACTERIOLOGY SECTION</u>	
01	Routine Microscopy	5 Hours
02	Gram- Stain – Any specimen	12 Hours
03	AFB Stain- Any Specimen	12 Hours
04	ALBERT Stain – Throat Swab KLB	12 Hours
05	Negative Stain	12 Hours
	<u>Aerobic Culture and Sensitivity</u>	
01	Stool	3 Days
02	Urine	3 Days
03	CSF	3 Days
04	Pus	3 Days
05	Wound Swab	3 Days
06	Ascitic Fluid	3 Days
07	Pleural Fluid	3 Days
08	Pericardial Fluid	3 Days
09	Peritoneal Fluid	3 Days
10	Throat Swab	3 Days
11	Tracheal Secretions	3 Days

Sr.No	Particulars	Utilities
12	Blood Culture	5-7 Days
13	Sputum	3 Days
	<u>HIV</u>	
01	HIV Antibody Test	24 Hours
02	CD4 Count	24 Hours
03	HIV Viral Load	15 Days
	<u>TB</u>	
01	CBNAAT	48 Hours
02	Line probe assay – first line & second line	05 days
03	Solid culture+ Drug Sensitivity	56 days
04	Liquid Culture + Drug Sensitivity Second line	45 Days
	<u>Hospital Infection</u>	
01	OT Swab (Aerobic)	24 Hours
02	OT Swab (Anaerobic) for New or Reconstructed OT	7 Days
03	Air Sampling by Settle Plate method of OT	24 Hours
04	Anaerobic Culture	72 Hours
05	Gas gangrene Smear	4 Hours
06	Gas gangrene Culture	72 Hours
	<u>MYCOLOGY</u>	
01	Microscopy (KOH preparation)	4 Hours to 24 Hours
02	Fungal Identification & Culture for Yeast and Moulds	21 days
03	Fungal AST for Yeasts	7 Days
04	Nigrosine Staining for Cryptococcus	4 Hours
	<u>VRDL</u>	
01	Influenza A, B & RSV PCR	48 hours
02	Covid RTPCR	24 hours
03	HBsAg Rapid & ELISA	24 hours
04	HCV Rapid & ELISA	24 hours
05	HAV	24 hours
06	HEV	24 hours
07	Viral meningitis (RTPCR) Human Adenovirus, Enterovirus, Human Parvovirus B19, Herpes Simplex virus 1, Herpes Simplex virus 2, Human Parechovirus, Mumps, Epstein Barr virus, Varicella Zoster virus, Human Cytomegalovirus, Human Herpesvirus 6, Human Herpes virus 7	48 hours

Sr.No	Particulars	Utilities
08	Tropical fever (RTPCR) Dengue virus, Chikungunya virus, Salmonella species, West Nile Virus, Plasmodium species, Rickettsia species (including Orientia tsutsugamushi), Leptospira species and Zika	48 hours
09	HBV Viral Load	15 Days
10	HCV Viral Load	15 Days
11	Rotavirus Elisa (antigen)	48 hours
12	Japanese Encephalitis (RTPCR)	48 hours

Achievements of Department: -

Sr.No	Particulars
1.	Microbiology Laboratory is accredited for ISO 15189 2022 including Bacteriology ,Mycology, Serology , TB and C &DST , HIV and Hepatitis B, Viral load & VRDL
2.	CDC and Centre of excellence for Phlebotomy and Equipment management
3.	Jhepigo Training centre for RT-PCR training for MO and Laboratoty Technicians
4.	ICMR EQA provider for Hepatitis B & C Virus for countrywide VRDL Labs
5.	ICMR Validation laboratory for infectious diseases agents
6.	ICMR approved diagnostic kit validation center for TB diagnostics.

Future-Plans (if any)

Sr.No	Particulars
1	DM in Virology
2	Fellowship in Virology
3	Fellowship in Mycology
4	DNB recognized center
5	NAAC accredited Department
6	State referral lab for AMR

Information regarding projects running in department.

Sr. No.	Department Projects	Investigator	International/ National/ State	Status
1.	NARS-Net India	J.A. Iravane	National	Ongoing
2.	AIIMS - HAI	J.A. Iravane	National	Ongoing
3.	Influenza & RSV Surveillance Network - ICMR	J.A. Iravane	National	Ongoing
4.	Pan India Epidemiological, Virological and Genomic Surveillance for Human Influenza and COVID-19	J.A. Iravane	National	Ongoing
5.	National Viral Hepatitis Control Programme	J.A. Iravane	National	Ongoing
6.	National Program on Surveillance of Viral Hepatitis	J.A. Iravane	National	Ongoing
7.	Estimation of risk associated with zoonotic TB in India	J.A. Iravane	National	Ongoing
8.	Whole Genome Sequencing of SARS CoV-2 in GMC Aurangabad	J.A. Iravane	National	Ongoing
9.	Validation of COVID-19 rapid antigen test assays	J.A. Iravane	State	Ongoing
10.	MAHASAR	J.A. Iravane	State	Ongoing
11.	NACO – VL testing	J.A. Iravane	State	Ongoing
12.	Zika Surveillance	J.A. Iravane	National	Completed
13.	WOKHARDT – Aspire Project	J.A. Iravane	State	Completed

3-4 Photos of Department infrastructure: -

Bacteriology



Figure 1: BAC-TEC

TB C&DST



Figure 2: BSL 3 Room (Bio Safety Cabinet)

VRDL



Figure 3: RT PCR ROOM



Figure 4: Processing Room

Viral Load



Figure 5 : SP m2000

Department All Staff



Figure 6 : All Microbiology Staff