

Menu Title	Information
<b>Department Group</b>	Para clinical Department
<b>Specialty</b>	None
<b>Department Name</b>	Microbiology
<b>Introduction</b>	<p>The Department of Microbiology, Rajarshee Chhatrapati Shahu Maharaj Govt. Medical College, Kolhapur, was founded in 2000. The department, which is currently located in the Shenda park building, has over the years witnessed seminal progress.</p> <p>The department is actively involved in teaching, training and providing clinical diagnostic services to Chhatrapati Pramila Rajee (CPR) General Hospital, Rural Hospitals and adjoining government health care facilities in the District.</p> <p>The courses offered by the department include U.G., and P.G. medical programs. Department faculty are also involved in teaching the Allied Health Science Courses like PG-DMLT and BPMT.</p> <p><b>DIAGNOSTIC FACILITY:</b> We have a well-equipped Microbiology Laboratory having the different sections available for the investigations as per NMC Norms.</p> <p>Department caters to the diagnostic needs of CPR general Hospital, Kolhapur. The laboratory provides culture sensitivity for bacteria, culture for fungi, Mycobacteria. Serological tests including widal, RPR, ASO, RA, ELISA for Dengue and Chikungunya, parasitology investigations, CD4 cell count testing, molecular diagnostics. The laboratory is recognized as State Reference laboratory for HIV surveillance and diagnosis, and has HIV viral load estimation facility under MSACS and NACO. Our HIV, SRL and VLL are NABL accredited since 2021. We have BSL (Bio Safety Level) 2 Lab for COVID-19 testing since May 2020. Department is recognized as reference lab under IDSP and NVBDCP.</p> <p>Average per year investigations are more than 85000. So far 8,63,700 no of Covid-19 RTPCR tests have been performed by the molecular lab of this department which is the highest no amongst state govt medical college VRDL labs</p> <p><b>ADDITIONAL SERVICES PROVIDED:</b></p> <p>I) Hospital Infection Control program: Active contribution in Hospital Infection Control (HIC) program. Department undertakes Training of medical and paramedical staff of our college and hospital Supervision of biomedical waste disposal and Surveillance of Hospital acquired infections.</p> <p>II) We are actively participated in Antimicrobial Resistance Program as part of Government National Action Plan.</p> <p>III) Department of Microbiology plays vital role in investigation of infectious disease outbreaks under Integrated Disease Surveillance Program (IDSP): It is a State referral lab for confirmation of outbreaks of infectious diseases, catering to Kolhapur, Ratnagiri and Sindhudurg districts</p> <p>IV) HIV Diagnostic Laboratory (NABL accredited) : It is a State reference laboratory for 33 ICTC's centers of Kolhapur division. comprises of :</p>

1) Integrated Counseling & Testing Center I (ICTC) (general population)  
 2) Integrated Counseling & Testing Center II (patient attending ANC clinic)  
 3) HIV Viral load laboratory (VLL) (Molecular Testing).  
 CD4 laboratory. Estimation of CD4 counts for HIV positive persons.  
 IV) Sentinel surveillance for vector borne viral infections mainly Chikungunya & Dengue under NVBDCP

**TRAINING OF FACULTY:**  
 The faculty has been trained in various fields related to Microbiology and other fields. One of the faculty has done Diploma in Hospital Administration, Two faculties have been certified in Hospital Infection Control. One of the faculty has done Diploma in Human Resource (PGDHR) Also one of the faculty has done Diploma in Hospital & Healthcare Management. Two of the faculties are internal Auditor for NABL and one faculty work as assessor of NABH, NABL & ECHS. All our faculty has completed Bio-Medical Research Course conducted by NPTEL.

**CME/ CONFERENCES/ WORKSHOPS:**  
 Faculty members regularly attend the conferences/ CME and Workshops at State and National Level and also have contributed significantly as resource persons and PG quiz Master  
 The Department conducts refresher training to HCWs on BMW management  
 The Department conducts and co-ordinates the Training programs of MSACS on HIV EQAS regularly.

**PUBLICATIONS:**  
 Various national & international publications are in the account of all Microbiology faculties.

**EXTRA CURRICULAR ACTIVITIES:**  
 Departmental faculty members hold various administrative assignments in college and MUHS University and are involved in Inter departmental and inter-college activities at various capacities.  
 Departmental faculty is actively involved in student non-academic activities like Ganpati Festival, Annual Gathering, Dahi Handi, Navratri Utsav, Sports Activities.

<b>Courses Offered</b>	Provide Names of Courses and Intake Capacity for each course.		
	Sr. No.	Course	Intake
	1	MBBS	150
	2	M.D. Microbiology	3
	3	PG DMLT	20
4	B.P.M.T.	25	

**Facilities**

- 1) Bacteriology
- 2) Virology
- 3) Mycology
- 4) Serology
- 5) Parasitology
- 6) Mycobacteriology
- 7) Immunology
- 8) Molecular Lab

- Besides routine instruments & equipments required for routine laboratory work dept. also has Bio-safety Cabinet, laminar air flow, ELISA System, Flowcytometer for CD4 count, PCR Machines, RNA Extraction Machines, Electronic Pipettes, PCR Plate Centrifuge. etc.
- Services offered: Bacterial Culture & Sensitivity, routine Serology includes- RA,ASO,CRP,WIDAL, HbsAg, HAV, HEV, HCV, Leptospirosis, Dengue, Chikengunya,

## Fungal Microscopy & Culture





### • Special Services –







- ICTC
- CD4 Count facility
- HIV Viral Load
- Serology investigations for diseases of public health importance such as Dengue, Chikungunya & Leptospira
- Covid-19 RTPCR
- Covid-19 CBNAAT
- O.T. Surveillance related investigations for three districts namely Kolhapur, Sindhudurg & Ratnagiri.

The Department conducts refresher training for HCWs on BMW management in coordination with all the clinical departments does the processing & testing of all the necessary & advanced tests..

## Faculty

List of all the faculty members under this department

Name & Photo	Designation	Qualification	Experience		Aadhar No	State Council No.	Contact No.	Email
			UG	PG				
Dr. Vishakha Shikhare 	Associate Professor	MBBS M.D.,	18 Yr	12 Yr	2372 0284 8938	0160/01/ 2000	98908 45923	vshikhar e13@g mail.co m
Dr. Vijay Kulkarni 	Assistant Professor	MBBS, M.D., DAHCM	21 Yr	2 Yr	6235 6613 2283	84774 /1998	93711 01009	manu.vi jay@gm ail.com
Dr. Shilpa Putta 	Assistant Professor	MBBS, M.D.	9 Yr	2 Yr	5533 6034 1634	2010/05/ 1718	98601 93300	shilpa.p utta21@ gmail.co m
Dr. Hemangi Walke 	Assistant Professor	MBBS, M.D. PG DHR PG DHI	9 Yr	2 Yr	3701 6503 7359	2007/06/ 2561	91581 89401	drheman giwalke 05@gm ail.com

<p>Dr. Aparajeet Walawalka r</p> 	<p>Assistant Professor</p>	<p>MBBS, M.D.</p>	<p>8 Yr</p>	<p>--</p>	<p>6072 6416 3785</p>	<p>2000/07/ 2480</p>	<p>98812 92900</p>	<p>apu_ssw @yahoo .co.in</p>
<p>Dr. Ipsita Haldar</p> 	<p>Junior Resident -3</p>	<p>MBBS</p>	<p>--</p>	<p>--</p>	<p>7599 6417 8171</p>	<p>(OMC) 26406 /2021</p>	<p>93376 31456</p>	<p>ipsita10 @gmail. com</p>
<p>Dr. Tejal Jagtap</p> 	<p>Junior Resident-3</p>	<p>MBBS</p>	<p>--</p>	<p>--</p>	<p>7671 1947 3393</p>	<p>2014/03/0 967</p>	<p>95797 21164</p>	<p>tjagtap7 728@ya hoo.com</p>
<p>Dr. Sneha Hidole</p> 	<p>Junior Resident-1</p>	<p>MBBS</p>	<p>--</p>	<p>--</p>	<p>3006 1270 2122</p>	<p>2021/04/3 087</p>	<p>9764371 754</p>	<p>snehahi dole46 @gmail. com</p>
<p>Dr. Rahi Palwankar</p> 	<p>Junior Resident-1</p>	<p>MBBS</p>	<p>--</p>	<p>--</p>	<p>2670 4100 0852</p>	<p>2022/07/4 810</p>	<p>82759 42283</p>	<p>rahipalw ankar20 17@gm ail.com</p>
<p>Dr. Manmath Markad</p> 	<p>Junior Resident-1</p>	<p>MBBS</p>	<p>--</p>	<p>--</p>	<p>4943 9971 3078</p>	<p>2023/08/ 5037</p>	<p>77209 50469</p>	<p>manmat hmarkad 586@g mail.co m</p>

<b>Research</b>	Detailed list of research work / research project conducted / ongoing in the following format [2018 onwards].				
	Sr. No.	Research Title	Research By	Guide	Year
	1	Prevalence of HIV Trend in ANC Group of Last Decade	Dr. Hemangi Walke	Dr. Neeta Jangale	2021-22
	2	Efficacy of Waterless Alcohol base surgical scrub in preventing SSI	Dr. Hemangi Walke	Dr. Neeta Jangale	2020-21
	3	A Study to Correlate CRP marker with Blood culture positivity in Neonatal sepsis patients during post covid-19 era in tertiary care hospital	Dr. Supriya Gaikwad & Dr. Hemangi Walke	Dr. Neeta Jangale	2021-22
	4	Resistance pattern and phenotypic detection of ESBL, MBL and AmpC, B-Lactamase among gram negative bacteria isolate from blood cultures of neonates with neonatal sepsis admitted in tertiary care hospital	Dr. Ipsita Haldar	Dr. Vijay Kulkarni	2021-22
	5	Study of bacteriological profile of lower respiratory tract infection of intubated patients admitted in Intensive care unit of a tertiary care hospital	Dr. Tejal Jagtap	Dr. Neeta Jangale	2021-22
	6	Study of Candida Isolates in Clinical samples from Hospitalized patients with special reference to characterization and antifungal susceptibility testing	Dr. Rahi Palwankar	Dr. Hemangi Walke	2023-24
	7	Comparison of Colistin Broth Disc Elution Method & Colistin Agar Test with Colistin Broth Microdilution in Carbapenem Resistant Gram Negative Bacilli from Clinical Isolates at a Tertiary Care Hospital	Dr. Sneha Hidole	Dr. Shilpa Putta	2023-24
	8	Detection of Multidrug Resistance and extended spectrum Betaa-Lactomase, Metallo-B-lactomase & Production among Uropathogenic Gram Negative Bacilli A Tertiary Care Teaching Hospital Based observational study.	Dr. Manmath Markad	Dr. Neeta Jangale	2023-24

<b>Publications</b>	Detailed list of all publications (As per NMC Criteria) in the following format [2018 onwards].				
	Sr. No.	Title	Authors from the institute	Departments of authors	Journal details
1	Prevalence of Vancomycin Resistant Enterococci (VRE) in catheter associated		Dr Shilpa Putta, Dr Vijay Kulkarni	IP International Journal of Medical	2018

		urinary tract infection with special reference to biofilm formation			Microbiology and Tropical Diseases	
	2	Trends in Antibiotic Resistance among major bacterial pathogens isolated from different specimens at a tertiary care hospital in India		Dr Vijay Kulkarni	Journal Of Advances In Medical and Pharmaceutical Sciences	2018
	3	Invasive candidiasis outbreak in a neonatal intensive care unit (NICU), a descriptive study from tertiary care teaching hospital of western part of Maharashtra.		Dr Shilpa Putta, Dr Neeta Jangale, Dr Vijay Kulkarni	MedPulse International Journal of Microbiology	2018
	4	Septicemia Due to Propionibacterium Propionicum In Three Month Old Female Child- A Case Report		Dr Neeta Jangale, Dr Hemangi walke,	International Journal of Research and Analytical Reviews	2018
	5	Regular Hospital Infection Control Team Rounds - A Prime Factor in Early Detection of NICU Outbreak		Walke H , Jangale N.	International Journal of Science and Research.2021 Oct ; 10 (10): 76-78	2021

**Conferences & Other Academic Activities**

Detailed list of all the conferences / CME / workshops conducted in the following format [2018 onwards].

Sr. No.	CME / Workshop / Conference Title	Year
1	Workshop on Biomedical Waste Management for HCWs	Dec-2018
2	Workshop on Infection Control Training for Nursing Staff	Mar-2019
3	Covid 19 Workshop Under Instruction from DMER & DHS	2020-21
4	Workshop on Biomedical Waste Management for HCWs	2023
5	Workshop on Molecular OT operating technique	2023
6	Workshop on Standard Precaution UG Students	2023

**Awards & Achievements**

List of Awards and Achievements made by Staff or Students for [2018 onwards].

Sr. No.	Achievement / Award	Achiever	Year
1	Undergraduate Microbiology IAMM Regional Quiz	II nd MBBS students (Kaushal Chand, Dwarkesh Vastani)	2018
2	2 <sup>nd</sup> in Oral Presentation at National	Dr Hemangi Walke (Asst. Prof.)	2018

		Conference On Recent updates on Nipah and Arboviruses(NCRUNA-2018)		
	3	1 <sup>st</sup> in Poster Presentation at National Conference On Recent updates on Nipah and Arboviruses (NCRUNA-2018)	Dr Rajani Chavan( Senior Resident)	2018
	4	2 <sup>nd</sup> in Poster Presentation at National Conference On Recent updates on Nipah and Arboviruses (NCRUNA-2018)	Dr Smita Pokharnikar	2018
	5	Winner of Grand Quiz at 3 <sup>RD</sup> National Workshop on Hospital Infection Control	Dr Shilpa Putta	2019
	6	Won the I <sup>st</sup> Runner-up Title in Smart Scrub Doctors Beauty Contest	Dr. Hemangi Walke	2023
<b>Contact Details</b>	<p>Address: Department of Microbiology, R.C.S.M. Govt. Medical College, R.K. Nagar, Shenda Park Road, Kolhapur</p> <p>Email: rcsmmicrobiology@gmail.com</p> <p>Contact Numbers: 0231-2641583</p>			