

छत्रपती संभाजी महाराज शासकीय वैद्यकीय महाविद्यालय व रुग्णालय, सातारा

Chhatrapati Sambhaji Maharaj Government Medical College and Hospital Satara

Department of Microbiology

Vision	<p>1. To start Post Graduate courses (MD Microbiology, DMLT) & other paramedical courses</p> <p>2. To improve laboratory services by incorporating automated systems for early diagnosis</p> <p>3. To create an awareness about antimicrobial resistances by periodic & continuous medical education & training</p> <p>To inculcate innovative teaching & learning method through various educational research projects</p>
Mission	<p>1. Excellence in teaching of Microbiology to Under Graduate students as per CBME curriculum</p> <p>2. Under Graduate students at the end of IInd MBBS Course should be competent in diagnosis of infectious diseases.</p> <p>3. To initiate & develop innovative research in Medical Microbiology</p> <p>Service Laboratories of the Department should able to do accurate & rapid diagnosis of infectious diseases for appropriate therapy to the patients</p>
Infrastructure and facilities	<p>Practical Hall:- 150sq. m, Demo Room:-16.3x 17.9ft, Departmental library-cum-seminar room area:- 30sq. m, Museum:-12.8x 12.0 ft, Autoclave Room:-15.0x12.0ft, Media Preparation Room:-15.0x12.0ft, All Service Labs Including BSL-II & CCL are available.</p> <p>Departmental library books:-80 books.</p> <p>Equipment's:- Students Microscopes, & other equipment are available.</p>
Services	<p>Various Investigations of patient's samples from OPD and IPD are done in Clinical Microbiology Laboratory. [Microscopy (Gram Stain, ZN Stain, Stool Microscopy), Serological test, HIV testing, Hepatitis B testing, CBNAAT], RTPCR For Covid-19. Health care workers (400 Nursing staff + 150 Lab attendant & technicians were trained under IPC training program.</p>
Ongoing Research	<p>STS ICMR Project (Under Microbiology Department)- Diagnostic utility of Chicago Sky Blue 6B Stain in superficial fungal infections by Sarwadny Bhosale, (II MBBS Student)</p>
Publications	<p>1) India discovered levonadiloxacin & alalevonadiloxac in: A review on susceptibility testing methods, CLSI quality control and break points along with a brief account of their emerging therapeutic profile as a novel standard of care. Indian journal of Medical Microbiology41(2023)71-80</p> <p>2) Robinson, M. L., Johnson, J., Naik, S., Patil, S., Kulkarni, R., Kinikar, A., Dohe, V., Mudshingkar, S., Kagal, A., Smith, R. M., Westercamp, M., Randive, B., Kadam, A., Babiker, A., Kulkarni, V., Karyakarte, R., Mave, V., Gupta, A., Milstone, A. M., & Manabe, Y. C. (2023). Maternal Colonization Versus Nosocomial Transmission as the Source of Drug-Resistant Bloodstream Infection in an Indian Neonatal Intensive Care Unit: A Prospective Cohort Study. <i>Clinical Infectious Diseases</i>, 77, S38-S45. https://doi.org/10.1093/cid/ciad282</p> <p>3) Balaji Veeraraghavan a,l,* , Yamuna Devi Bakthavatchalam a, Abi Manesh b, Binesh Lal a, Subramanian Swaminathan c, Abdul Ansari d, K. Subbareddy e, Pradeep Rangappa f, Anirban Hom Choudhuri g, Vasant Nagvekar h, Yatin Mehta i, Boppe Appalaraju j, Sujata Baveja k, Shrikala Baliga l, Suchitra Shenoy l, Renu Bhardwaj m, Vaishali Kongre m, Gogi</p>

Suresh Dattatraya n, Binita Verma o, D.N. Mukherjee p, Shalini Gupta q, Priyadarshini Shanmugam r, Jyoti Iravane s, Sudhi Ranjan Mishra t, Purabi Barman u, Shimpi Chopra u, Meenakshi Hariharan v, Rajendra Surpam w, Rana Pratap x, Dilip Turbadkar k, Shripad Taklikar k, Drug Discovery group, Wockhardt.

India-discovered levonadi!oxacin & alalevonadi!oxacin: A review on susceptibility testing methods, CLSI quality control and breakpoints along with a brief account of their emerging therapeutic profile as a novel standard-of-care, Indian Journal of Medical Microbiology, 41 (2023) 71–80 <https://doi.org/10.1016/j.ijmmb.2022.11.005>

4) Robinson, Matthew Louis and Johnson, Julia and Randive, Bharat and Rajput, Uday C. and Kinikar, Aarti and Parikh, Tushar B. and Vaidya, Umesh and Malwade, Sudhir and Agarkhedkar, Sharad and Valvi, Chhaya and **Dohe, Vaishali B.** and Kagal, Anju and Sanghavi, Sonali and Kadam, Abhay and Huskins, Charles and Coffin, Susan and Westercamp, Matthew and Smith, Rachel M. and Gupta, Amita and Mave, Vidya and Milstone, Aaron M. and Manabe, Yukari, Antibiotic Choice, Effectiveness, and Outcome Among Hospitalized Neonates with Gram-Negative Bloodstream Infection in India: A Prospective Cohort Study. Available at SSRN: <https://ssrn.com/abstract=3773513> or <http://dx.doi.org/10.2139/ssrn.3773513>-

5) Chavan K, Doshi BR, **Dohe V.** Clinicobacteriological study of pyoderma with trends in antibiotic sensitivity at a tertiary care center in Western India. Clin Dermatol Rev2021. Volume 5 | Issue 2 | July-December 2021 pg161-167.

6) Meghna Palewar, Swati Mudshingkar, **Vaishali Dohe**, Anju Kagal , Rajesh Karyakarte. Recent Trends in Bacteriological Profile of Lower Respiratory Tract Infections (LRTIs) in Outdoor, Indoor and Critical Care Settings of a Tertiary Care Centre in Pune. Indian Journal of Basic and Applied Medical Research; March 2021: Vol.-10, Issue- 2, P. 261 – 269 DOI: 10.36848/IJBAMR/2020/26215.55712

7) Sae Pol, Yogesh Gurav, **Vaishali Kongre**, Renu Bharadwaj, Paresh Shah, Avinash Deoshatwar, Babasaheb Tandale. Prevalence of Leptospirosis among patients screened for dengue like illness during community surveillance in a slum population in Pune, Maharashtra. International Journal Dental and Medical Sciences Research Volume 3, Issue 3, May - June 2021 pp 227-229 www.ijdmstjournal.com ISSN: 2582-6018. DOI: 10.35629/5252-0303227229 |Impact Factor value 6.18| ISO 9001: 2008 Certified Journal.

8) Original article Prevalence of Extended Spectrum Beta Lactamases from the clinical isolates of Enterobacteriaceae family
1 **Kamble S.S.** , 2Sharma V.Y. , 3Jadhav S.V. , 4Nagdawne R.P.
Indian Journal of Basic and Applied Medical Research; September 2017: Vol.-6, Issue- 4, P. 398-405

9) SURVEILLANCE STUDY OF AIR CONDITIONING UNITS IN OPERATION THEATRES OF A TERTIARY CARE HOSPITAL, PUNE. **S. Kamble**, A. Chandanwale, S.Pol, A. Kagal, R. Bharadwaj,
Volume-7 | Issue-9 | September-2017 | 4.894 ISSN - 2249-555X | IF : | IC Value : 79.96
KEYWORDS : Air conditioning units, Operation theatre, Fungi, Nosocomial Infections, Surveillance

	<p>10) Indian Journal of Basic and Applied Medical Research; December 2020: Vol.-10, Issue- 1, P. 199 - 207 DOI: 10.36848/IJBAMR/2020/16215.55705 Original article: Diagnostic utility of Tzanck Smear in various cutaneous skin infections <u>Kamble S</u> 1, Deshpande S2, Kagal A3 Bharadwaj R4 .</p> <p>11) Indian Journal of Basic and Applied Medical Research; December 2020: Vol.-10, Issue- 1, P. 193-198 DOI: 10.36848/IJBAMR/2020/16215.55700 Original article Changing trend of HIV seroprevalence among pregnant women in and around Pune: tertiary care hospital based study Dr.Pednekar SN, <u>Dr. Kambale SS</u>, Dr Gokhale V, Dr Kagal A, Dr Karyakarte R</p> <p>12) Dr Tejaswi.Patil, The study of inducible clindamycin resistance & antimicrobial susceptibility pattern of the Staphylococcus aureus isolates from various clinical samples, IP International Journal of Medical Microbiology and Tropical Diseases, Vol-04, Issue-01, Period-Jan.March.2018</p>
Achievements	1st STS ICMR Research Project accepted by ICMR
Awards	Nil
Faculty Details	

Sr. No	Designation	Name	Photograph	Qualification	Total Teaching Experience	Publications in last one year (2024-25)
1	Professor & Head of Department	Dr. Vaishali Dohe (Kongre)		MBBS, MD (Microbiology)	25 years	India discovered levonadiloxacin & alalevonadiloxac in: A review on susceptibility testing methods, CLSI quality control and break points along with a brief account of their emerging therapeutic profile as a novel standard of care. Indian journal of Medical Microbiology41(2023)71-80
2	Associate Professor	Dr. Shital Kamble		MBBS, MD (Microbiology)	17 years 3-month 11 days	-
3	Assistant Professor	Dr. Tejaswi Patil		MBBS, MD (Microbiology)	3 years	
4	Junior Resident	Dr. Komal Vinod Pardeshi		MBBS		
5	Junior Resident	Dr. Yash Eknath Satre		MBBS		