

DEPARTMENT OF MICROBIOLOGY

Sr.no	Name	Designation
1	Dr. Renu Bharadwaj	Prof. & Head
2	Dr. Anju Kagal	Professor
3	Dr. A.G. Rajput	Asso Professor
4	Dr. S.K. Deshpande	Asso Professor
5	Dr. VidyaArjunwadkar	Asso Professor
6	Dr. Sae Pol	Asso Professor
7	Dr. Vaishali Dohe	Asso Professor
8	Mrs.S.N. Dharmashale	Asst. Professor
9	Dr. S. Pednekar	Asst. Professor
10	Dr. Swati Mudshingkar	Asst. Professor
11	Dr. S.S. Kamble	Asst. Professor
12	Dr. Shailaja Desai	Asst. Professor
13	Dr. Meghana Palewar	Asst. Professor
14	Dr. Sunil Bhamare	Asst. Professor
15	Dr. Aruna Jadhav	Asst. Professor
16	Dr. Ashish Sadafale	Asst. Professor

1] Faculty

Services Available

Service Provided

Service provided:

Laboratory services

Microbiology Department is a Laboratory Medicine Department, functioning at B.J. Medical College, Pune. **Dr. Renu Bharadwaj** heads this department. We are involved with processing samples for Microbiological investigations. There are various sections in our laboratory, where processing of samples is done to help clinicians come to a diagnosis

Names of the Laboratory Sections
Bacteriology (Bact)
Serology (Sero)
CD4 Laboratory (CD4)
Virology(Viro)
Tuberculosis (TB)
Mycology (Myc)
Anaerobic & hospital infection (Hosp Infect)
Leptospira (Lepto)

Lab. investigation undertaken over the last three years

Year	Bact	TB & Myc	Anae	Hosp. Infect	Sero	Viro			Lep to		CD4	Total
						ICTC	PPTCT	SRL	Blood	Urine		
2011	14935	1770	654	2656	10270	12563	5052	1931	630	210	14572	65243
2012	16848	1931	751	2602	16073	10084	5221	7530	1439	222	14999	77700
2013	12823	2280	846	2043	17618	8029	6202	1461	1382	230	17128	70042
2014	17350	2379	903	2117	18442	7912	6023	1640	1517	77	15641	72361

DETAILED OF SERVICES PROVIDED :

Time of sample collection: at Microbiology receiving center, Microbiology dept.

Routine samples- 9.30 AM to 1PM; After that from 2 PM to 5 PM at respective sections of Microbiology Dept. Emergency samples- Central clinical Laboratory (CCL) by Microbiology Resident on call.

BACTERIOLOGY LABORATORY :

- Routine Laboratory services - Bacterial culture & sensitivity on pus, blood, urine, sputum, stool, CSF & body fluids. Automated culture methods available.
- Gram stain, Hanging drop.
- Saline and iodine mount of stool samples
- Modified ZN staining for parasites.

ANAEROBIC LABORATORY :

- Routine Laboratory services - Bacterial culture & sensitivity for anaerobic organisms.

HOSPITAL INFECTION SURVEILLANCE :

- Operation theatre surveillance
- Hospital infection control policy formulation.
- Outbreak investigation.

MYCOBACTERIOLOGY LABORATORY :

- ZN staining - 25%, 5%, 1% and Fluorescent Microscopy.

- Culture of Mycobacterium tuberculosis and MOTT
- Anti-tuberculosis drug sensitivity testing for first & second line drugs. (INH, Streptomycin, Rifampicin, Ethambutol, Amikacin, Ciprofloxacin).
- Rapid diagnostic tests Liquid culture by MGIT
GenXpert diagnosis and sensitivity in 2hrs

MYCOLOGY LABORATORY :

- India Ink preparation
- KOH Mount, Gram stain
- Fungal culture
- Cryptococcal antigen detection

SEROLOGY & IMMUNOLOGY LABORATORY :

- Widal
- VDRL
- TPHA
- ASO
- CRP
- RA
- HBsAg
- HAV, HEV, HCV
- Detection of IgM and IgG antibodies to Dengue, Chikungunya
- Malaria antigen detection
- CD4 testing

LEPTOSPIROSIS & PCR LABORATORIES :

- Dark Ground Microscopy for urine
- Dri-dot test
- ELISA
- MAT
- PCR for Tuberculosis

VIROLOGY LABORATORY

- HIV antibody testing
- Referral for NGOs, ART center, RNTCP, PPTCT of HIV positive patients as per need.
- EQAS activity as State Reference Laboratory-Retesting& proficiency testing of samples from 97 linked ICTCs of Pune. Ahmednagar, Alibaug.

EMERGENCY SERVICES :(24 Hrs)

Diphtheria : Throat swab: Smear, Culture

Gas Gangrene : Smear, RCM

Meningitis : CSF : Smear, Culture

Cholera : Motility, Culture

Blood Culture

Hosp. Inf. Control : Settle Plate, Spore Strip

Serology : Leptospirosis.

New services introduced:

1. BACTEC-for rapid detection of blood and CSF pathogens
2. MGIT-for rapid detection of *M.tuberculosis*
3. Gene expert- molecular method for rapid detection of *M.tuberculosis*
4. NS1 antigen detection for early diagnosis of dengue

EXTERNAL QUALITY ASSESEMENT : To ensure quality of reporting the laboratory participates in the following EQAS programmes:

1. EQAS run by Indian Association of Medical Microbiologists

(Bacteriology, Serology)

2. EQAS run by the American College of Pathologists (Bacteriology, Mycobacteriology)
3. EQAS run by PGI Chandigarh for Mycology
4. EQAS by NARI for Virology

Research Publication

Year	Name of author (surname followed by initials)	Name of the article	Name of the journal with standard abbreviation, year, vol., page no.
2015	Dharmashale S, Bharadwaj R	Role of the polymerase chain reaction (PCR) conserved 5-8S and FTS regions of the cryptococcal DNA in the diagnosis of cryptococcal meningitis	South east asia j. of public health 2014;4(2):31-35 Online publication
2015	Madhuri K, Deshpande S, Bharadwaj R, Kagal A	Utility of LPA for the early detection of multidrug resistant pulmonary tuberculosis	J of Global inf. Dis. 2015;7(2):60-65
2015	Palewar M, Chaure A, Mudshingkar S, Dohe V, Bharadwaj R	Typing and biogram of Vibrio Cholerae isolates in a tertiary care hospital in Pune-A 3 year study	J of Global inf. Dis. 2015;7(1):31-36
2015	Chaure A, Palewar M, Dohe V, Mudshingkar S, Madhuri K, Bharadwaj R	Subconjunctival dirofilariasis caused by Dirofilaria immitis - a case report with short review	IJPM 2015;58:332-334
2015	Sushma P, Pol S., Sheetal K, Smita D, Bharadwaj R	Drug resistant anaerobic infections: are they complicating diabetic foot ulcer?	Int. J. Healthcare and Biomed. Research; 3(3) April 2015: 142-148
2015	Pol S, Rajput A, Bharadwaj R	Diagnosis of syphilis in HIV+ve and HIV -ve patients	Int. J. Healthcare and Biomed. Research; 3(2) January 2015: 135-139
2014	Bharadwaj, R., et al Editorial	Blood Stream Infections	<u>BioMed Research International</u> , 2014 (doi: 10.1155/2014/51527 3)
2014	Gupta A, R. Bharadwaj et al	Maternal pneumococcal capsular IgG antibodies and transplacental transfer are lower in South Asian HIV-infected mother-infant pairs.	Vaccine

2014	V.Mave, R.Bharadwaj et al	Impact of maternal hepatitis B virus coinfection on mother-to-child transmission of HIV	HIV-Medicine
2014	A.Deb, S.Mudshingkar, V.Dohe,R.Bharadwaj	Bacteriology of Body Fluids with an Evaluation of Enrichment Technique to Increase Culture Positivity	Journal of Evolution of Medical and Dental Sciences
2014	K. Madhuri- Sae Pol, Neeta Gade, Hemangi Ingale, Renu Bharadwaj	Control of MRSA in Cardiovascular thoracic surgery unit (CVTS) – Unit at a tertiary health care centre, Pune	Journal of Patient Safety & Infection Control,2014. DOI: 10.1016/j.jpsic.2014.06.001
2014	Bharadwaj R. et al	Leishmaniasis: An Emerging Disease in Mumbai, Maharashtra, India.	Research and Reviews: Journal of Medical and Health Sciences 2014, 3:1, 77-82
2014	Bharadwaj R. et al	An Approach to the Microbiological Diagnosis of Chronic Periodontitis: An Overview.	Research and Reviews: Journal of Dental Sciences 2014,2:1
2014	Bharadwaj R. et al :	Modifiable risk factors associated with tuberculosis disease in children in Pune, India	The International Journal of Tuberculosis and Lung Disease 2014 (Feb)18(2) 198-204.
2013	Dohe V. et al :	Study of ESBL producers in clinical isolates.	Med. J. Western India 2013(41) issue 1; 18-22.
2013	Anju Kagal, et al	Methicillin resistant Staphylococcus aureus (MRSA) in India : Prevalence & susceptibility pattern. Indian Network for surveillance of Antimicrobial Resistance (INSAR) group,	India. Indian J Med Res 137, February 2013, pp 363-369.
2013	Anita Joshi, Smita Deshpande, Vaishali Dohe,Shilpa Risbud & Renu Bharadwaj	Screening for Antifungal Activity of polyezyme Preparation Immunoseb-S Using in Vitro Methods.	Trends in Biosciences 6(3) : 234-236,2013
2013	Meghna S. Palewar, Dhanvijay AG, More SR.	Prevalence of Human-Immunodeficiency virus associated bacterial & fungal respiratory tract infections.	Indian Journal of Basic and Applied Medical Research. Sept. 2013, Vol. 2, Issue 8, Pg. 880-885.
2013	Swati Mudshingkar, Archana Choure, Meghna Palewar, Vaishali Dohe, Anju Kagal.	Ochrobacterium anthropi – an unusual pathogen – Are we missing them?	Indian J. of Medical Microbiology; July-Sept. 2013, Vol. 31 (3) : 306-308.
2013	Gade ND, et al	Inducible Clindamycin resistance among Staphylococcus aureus isolates.	Indian Journal of Basic and applied medical research. Sept. 2013, vol. , Issue 8, page 961-967.
2013	Bhamre S et al	Study of sources of Coagulase Negative Staphylococci infection from NICU environment.	Indian Journal of Basic and Applied Medical Research (2013) 1:26-31.
2013	Bharadwaj R et al	Pediatric Tuberculosis in Young Children in India: A Prospective Study	BioMed Research International Volume 2013 (2013), Article ID 783698, 7 pages http://dx.doi.org/10.1155/2013/783698
2013	Dr. Bharadwaj R, Dharmshale :	Intraocular gnathostomiasis from coastal part of Maharashtra.	Trop Parasitol 2013;3:82-43.
2012	Mave V, Shere D, Gupte N, Suryavanshi N, Kulkarni V, Patil S, Khandekar M, Kinikar A, Bharadwaj R,	Vitamin D deficiency is common among HIV-infected breastfeeding mothers in Pune, India, but is not	HIV Clin Trials. 2012;13(5):278-83.

		Bhosale R, Sambarey P, Chandanwale A, Bollinger R, Gupta A. SWEN India and Byramjee-Jeejeebhoy Medical College Clinical Trials Unit Study Team.	associated with mother-to-child HIV transmission.	
19	2012	Mave V, Kulkarni V, Bharadwaj R, Khandekar M, Gupta A, Gupte N.	Determination of a reference interval in a population.	Natl Med J India. 2012; 25(1):33-4.
20	2012	Bharadwaj R.	Anaerobic microbiology: time to rejuvenate.	Ind J Med Microbiol. 2012; 30(1):3-5.
21	2012	<u>Kinikar AA, Kulkarni RK, Valvi CT, Mave V, Gupte N, Khadse S, Bhardwaj R, Kagal A, Puranik S, Gupta A, Bollinger R, Jamkar A.</u>	Predictors of mortality in hospitalized children with pandemic H1N1 influenza 2009 in Pune, India.	<u>Ind J Pediatr. 2012 ;79(4):459-66. doi: 10.1007/s12098-011-0578-7. Epub 2011 Oct 20.</u>
22	2012	Bharadwaj R, Joshi S, Dohe V, Gaikwad V, Kulkarni G, Shouche Y.	Prevalence of New Delhi metallo- β -lactamase (NDM-1)-positive bacteria in a tertiary care centre in Pune, India.	Int J Antimicrob Agents. 2012 Mar; 39(3): 265-6.
23	2012	Menon S, Dharmshale S, Chande C, Gohil A, Lilani S, Mohammad S, Joshi A, Chowdhary A, Bharadwaj	R. Drug resistance profiles of Mycobacterium tuberculosis isolates to first line anti-tuberculous drugs: A five years study.	Lung India. 2012; 29(3):227-31.
24	2012	Dohe et al .:	Amp C Beta lactamases in clinical GNB bacterial isolates from Sassoon General Hospital.	Med. J. Western India, Feb. 2012; 40 : 1 : 38-42
25	2012	Mrs. Dharmshale S.	Mycobacterium avium-intracellulare brain abscess in HIV positive patient.	Ann. Indian Acad Neurol 2012; 15 : 54-55.
26	2012	Anita Joshi, Shilpa Ridbud, Bhavna Pradhan, Smita Deshpande, & Renu Bharadwaj :	Determination of antimycobacterial activity of polyeneyme preparation immunoseb-s using in vitro methods.	Trends in Biosciences, vol. 5, No. 1, April 2012.
27	2012	Sangeeta Joshi, Pallab Ray, Vikas Manchanda, Jyoti Bajaj, DS Chitnis, Vikas Gautam, Parijath Goswami, Varsha Gupta, BN Harish, Anju Kagal, Ratna Rao, Camila Rodrigues, Raman Sardana, Kh Sulochana Devi, Anita Sharma & Veeragaghavan Balaji :	Antibiogram of S. enterica serovar Typhi and S. enterica serovar paratyphi A; a multi-centre study from India. Indian Network for Surveillance of Antimicrobial Resistance Group.	WHO South East Asia Journal of Public Health 2012; 1(2) : 182-188.
28	2012	Shobha Chitambar Varanasi Gopalkrishna, Preeti Chhabra Pooja Patil Harsha Verma Anismrita Lahon Ritu Arora, Vaishali Tatte Sujata Ranshing ,Ganesh Dhale, Rajendra Kolhapure Sanjay Tikute, Jagannath Kulkarni, Renu Bhardwaj,Sulbha Akarte and Sashikant Pawar	Diversity in the Enteric Viruses Detected in Outbreaks of Gastroenteritis from Mumbai,	Western India Int. J. Environ. Res. Public Health 2012, 9, 895-915
29	2012	Pradeep Sambarey, Ajay Chandanwale, Robert Bollinger, Amita Gupta, the SWEN India and Byramjee-Jeejeebhoy Medical College Clinical Trials Unit Study Team	Vitamin D Deficiency Is Common Among HIV-Infected Breastfeeding Mothers in Pune, India, but Is Not Associated With Mother-to-Child HIV Transmission	HIV Clin Trials 2012;13(5):278–283
30	2011	Gupta A, Chandrasekhar A, Gupte N, Patil S, Bhosale R, Sambarey P, Ghorpade S, Nayak U, Garda L, Sastry J, Bharadwaj R, Bollinger RC;	Symptom screening among HIV-infected pregnant women is acceptable and has high negative predictive value for active tuberculosis.	Clin Infect Dis. 2011; 53(10):1015-8.
31	2011	Singh HK, Gupte N, Kinikar A, Bharadwaj R, Sastry J, Suryavanshi N, Nayak U, Tripathy S, Paranjape R, Jamkar A, Bollinger RC, Gupta A;	SWEN India Study Team. High Rates of All-cause and Gastroenteritis-related Hospitalization Morbidity and Mortality among HIV-exposed Indian Infants.	BMC Infectious Diseases 2011, 11:193 doi:10.1186/1471-2334-11-193.

32	2011	Gupta A, Bhosale R, Kinikar A, Gupte N, Bharadwaj R, Kagal A, Joshi S, Khandekar M, Karmarkar A, Kulkarni V, Sastry J, Mave V, Suryavanshi N, Thakar M, Kulkarni S, Tripathy S, Sambarey P, Patil S, Paranjape R, Bollinger RC, Jamkar A	Maternal tuberculosis: a risk factor for mother-to-child transmission of human immunodeficiency virus..	J Infect Dis. 2011; 203(3):358-63. doi: 10.1093/infdis/jiq064
33	2011	Bharadwaj R. et al	New Delhi Beta-lactamase; the new super bug.	Medical Journal of Western India, Vol. 39; 1; 9-17, 2011.
34	2011	Dohe V. et al	Clinical and Microbiological study of empyema.	Medical Journal of Western India, Vol. 39; 1; 47-51, 2011.
35	2011	<u>Sarala Menon</u> , <u>Renu Bharadwaj</u> , <u>AS Chowdhary</u> , <u>DV Kaundinya</u> , and <u>DA Palande</u>	Tuberculous brain abscesses: Case series and review of literature	<u>J Neurosci Rural Pract</u> Volume 2(2); Jul-Dec 2011

ON-GOING RESEARCH PROJECTS

Sr.No	Name of Project	Funding	Status of project	Name of teachers
1	Etiology of ILI, ADD and dengue-like illness – a community based study of viral diseases / syndromes in Janata Vasahat in Pune city, Maharashtra”	ICMR funded	Ongoing	Dr Renu Bharadwaj
2	A multicentric surveillance for prevalence of carbapenemase producing gram negative bacilli with special reference to NDM1 in Maharashtra (F.N.5/4/6/2012-RMC)	ICMR funded	Ongoing	Dr Suvarna Joshi
3	The burden and risk factors for drug resistant TB in Pune,India	JHU Funded	Ongoing	Dr Anju Kagal Professor Dr Sujata Dharmashale Asst Professor
4	A phase I/II dose finding study of high dose flucanazole treatment in AIDS associated Cryptococcal meningitis	„	Ongoing	Dr Renu Bharadwaj Dr Sujata Dharmashale
5	Study of IRIS for international sites initiating highly active HAART in infants and children less than or equal to 5 yrs	„	Still to start	Dr Anju Kagal
6	Promoting maternal and infant survival everywhere(IMPACT)	„	Ongoing	Dr Renu Bharadwaj
7	Reducing early mortality and morbidity in empiric TB treatment regimen.	„	Ongoing	Dr Anju Kagal
8	Multicenter Study of Options for Second – Line Effective Combination Therapy(SELECT)ongoing	„		Dr Anju Kagal
9	Community based surveillance of viral diseases/syndromes in Janata vasahat in Pune city,Maharashtra	ICMR funded	ongoing	Dr.renu Bharadawaj, Dr.Sae pol, Dr,Vaishali Kongre

10	Diagnosis of active tuberculosis in HIV infected and uninfected young children in India.	ICMR funded	Completed	Dr Renu Bharadwaj, Profesor & HOD Dr Anju Kagal Professor
11	Evaluation of ELISA for detection of cryptosporidium Ag in faecal samples of HIV infected individuals	ICMR	Ongoing	Dr.Vidya Arjunwadkar
13	Predictive value of TB symptoms screen in HIV infected & uninfected pregnant women	JHU-CTU	Ongoing	Dr.Anju Kagal
14	Evaluation of GeneXpert & liquid culture in the diagnosis of Extra-pulmonary TB	RNTCP	Ongoing	Dr.Anju Kagal
15	Cohort for TB Research by the INDO-US Medical Partnership Multicentric Prospective Observational study	JHU-CTU	Ongoing	Dr.Anju Kagal
16	Expandex CBNAAT project for diagnosis of TB & MDRTB	FIND-India	Ongoing	Dr.Anju Kagal

Achievements/Awards/Prizes:

- 2010 : Best Poster at Maharashtra Chapter. "Extra-pulmonary tuberculosis in tertiary care hospital, Pune – Dr. Shailaja Desai, Lecturer
- 2011 : Dr. Ashish Sadafale, PG student won ‘Dr.P.M.Khare’ award for best paper.
Dr. Shweta Kulkarni won First prize in PG Quiz at the National Level
Dr.Vaishli Gaikwad won Third prize for the poster at the Maharashtra Chapter
- 2012 : Research society of BJ & SGH conference, Dr. K. Madhuri won First prize in poster
- ~~Maharashtra Chapter Surgical Infection – the menace still continues” – at AFMC, Pune – Dr. Anasua Deb.~~
- 2013 : Dr. Renu Bharadwaj was nominated for the “**Dr. H.I. Jhala Award**” of the Indian Association of Medical Microbiologists in Dec. 2013 for contribution to medical microbiology at a national level
- Contribution to Medical Microbiology at National level – Dr.Hardas Pathak Award to Dr.Renu Bharadwaj.Prof.& Head. Dept. of Microbiology
- Dr.Deepa Devhare—1st prize for poster at State Conference 2014
- Dr.Anasua Deb—Dr. Niphadkar award in 2014 Research Society conference
- Mycobacteriology lab accredited in Feb2014 by NTI Bangalore for Solid culture & DST
- HIV lab accredited :2014
- 2014: HIV lab of Microbiology Department received certificate for outstanding performance from National AIDS central organization, Ministry of Health and family welfare,Govt.of India. For outstanding performance in Quality assurance in HIV testing and achieving international standards as per ISO 15189
- 2015-Dr. Sushma Pednekar Presented oral paper in international conference on Rotavirus & its prevalent genotypes in Pediatric diarrhea in Pune , India at ICAAC 2015 in California, USA .
- 2015 – Dr. Swati Mudshinwar got Scholarship for international infectious diseases conference for oral paper presentation
- 2015- The HIV laboratory has been NABL accredited and given an ISO 15189:2007 In 2012 and was amongst the first few laboratories in the state to be accredited

State / National / International level workshop / Seminar / Programme conducted by College / Institution:

Seminars / workshops / CME / conferences, guest lectures, organized (last 4 years 2014, 2013, 2012, 2011)

Sr.No.	Nature of event Conference / CME / workshop	Specify nature National / International / Regional	Nature of funding (self / sponsorship from UGC / MCI / ICMR / MUHS or any other	Name of event
1				2014 ----
2	Workshop	National	IDSP	National IDSP Induction workshop for Microbiologists - 2013
3	Workshop		IDSP	Two 5-days Refresher training workshops for ICTC Technicians - 2013
4	Workshop			External quality assurance scheme(EQAS) State level workshop - 2012
5	Workshop			External quality assurance scheme(EQAS) State level workshop - 2012
6	Workshop	National	IDSP	National Induction workshop for Microbiologists from all over India Under IDSP - 2012
7	Workshop			HIV sentinel surveillance workshop for Nagar and Nashik district - 2012
8	Seminar			Seminar on 'Best practices in diagnosis of blood stream infections' By Dr.M.Town from Marvard University - 2012
9	Workshop			Three HIV Laboratory technician Induction training workshop - arranged on behalf of MSACS for newly appointed ICTC Technicians across Maharashtra (5-day workshop) - 2011
10	Workshop			Six Refresher training workshops for ICTC technicians (5-day workshop)
11	Workshop			Two EQAS workshops for 96 ICTC (1 day) - 2011
12	Workshop			IDSP training workshop - 2011

Posters presentation in National & International conference till Jan 2014

Sr. No.	Name of the teacher / student	Name of the conference	Place of conference	Date of conference
1	Dr.Ashwini Dedwal, Mudshingkar, Choure, Palewar, Dohe, Bharadwaj, Kagal	National Conference of Medical Microbiology	Delhi	Nov.2012
2	Dr.Shilpa Putta, Desai S, Dharmashale S,Mudshingkar, Kagal A.	National Conference of Medical Microbiology	Delhi	Nov.2012
3	Baral P.Choure A,Palewar M,Mudshingkar S, Dohe V, Kagal.A	National Conference of Medical Microbiology	Delhi	Nov.2012
4.	Madvi V, Choure A,Palewar M, Mudshingkar S,Dohe V,Bharadwaj R, Kagal.A	National Conference of Medical Microbiology	Delhi	Nov.2012

Papers/posters presented :

at State level Chapter conference of Medical Microbiologists at Mumbai in Sept.2012

Sr. No.	Name of the teacher / student	Poster/ Oral presentation
1	Dr.Sumedh Lokapure, Sheetal Kambale, Pol Sae, Kagal A	Anaerobic bacteria causing cutaneous and subcutaneous wound infections - poster
2	Putta S, Dr.Pednekar,Dr.Deshpande, Kagal A	Prevalence of HIV-1 and dual infection by HIV-1 and HIV-2 in and around Pune - poster

3	K.Madhuri,Choure,Palewar, Dohe, Bharadwaj, Kagal A	Conjunctival dirofilariasis caused by Dirofilaria Repens—a case report - poster
4	Dr.Ashwini Dedwal, Mudshingkar, Choure, Palewar, Dohe,Bharadwaj, Kagal	Comparison of BD Phoenix automated system and conventional methods for identification and sensitivity of common bacterial isolates.---Oral presentation
5	Madvi V, Choure A, Palewar M, Mudshingkar S, Dohe V,Bharadwaj R, Kagal.A	Multidrug resistant bacteria in pediatric patients: a therapeutic nightmare—poster

Papers presented at Maharashtra Chapter conference of Medical Microbiologists 2013 at AFMC Pune

1	Baral P, Dharmshale S, Desai S, Kagal A, Bharadwaj R.	Evaluation of thin layer agar medium for rapid culture of mycobacterium – Oral
2	Devhare DP, Desai DSS, Kagal A, Bharadwaj R.	Pulmonary Nocardiosis in clinically suspected cases of pulmonary tuberculosis - Oral
3	Dharmshale SN, Desai S, Kagal A, Bharadwaj R.	Our experience with genexpert for the diagnosis of tuberculosis - Poster
4	Pol SS, Mudshingkar S, Kamble S, Kongre V, Patil S, Kagal A, Bharadwaj R.	VRE Outbreak in CVTS-ICU : An active surveillance and molecular analysis- Poster
5	Deb A, Kagal A, Dohe B, Bharadwaj R.	Surgical site infection (SSI) – The menace still continues – Poster
6	Ingale HD, Dohe VB, Kagal AS, Bharadwaj AS	Antimicrobial profile of acinetobacter species in a tertiary care centre – Poster

Papers/posters presented

at State level Chapter conference of Medical Microbiologists at Nagpur in Sept 2014

Sr. No.	Name of the teacher / student	Poster/ Oral presentation
1	Dr.Ashish	ESBL,Amp C & Carbapenemase producing Gram Negative bacterial infections at a tertiary care hospital
2	Dr Madhuri	Drug resistance patterns in pulmonary tuberculosis patients at a tertiary health care center,pune
3	Dr.Bhagyashri	Comparison Of Detection Of Ns1 Antigen With That Of Igm Anti Dengue Antibodies During An Epidemic Of DENGUE
4	Dr.Shalaka-	Extended spectrum Beta lactamase(ESBLs) producing organisms from pyogenic infections in a tertiary care hospital: An increasing problem
5	Dr Ankita	A Study Of Catheter Associated Uti In The Medical Intensive Care Unit
6	Dr.Anasua-	EVALUATION OF XPERT MTB/RIF AS A RAPID DIAGNOSTIC TOOL FOR MDR TUBERCULOSIS
7	Dr.Sujata	Prevalence of MRSA in a tertiary care center
8	Dr.Deepa-	Prevalance of vancomycin resistant enterococci in Sassoon general hospital

- **Papers presented at Research Society conference held at BJMC,Pune in Feb 2012—**
Dr.Gaikwad V, Dohe V - Prevalence of NDM -1 producing bacteria in a tertiary care center,Pune

Co-author—Dr,Dohe V- Oropharyngeal candidiosis in HIV patients

- **Attended National conference from 19/11/13 to 23/11/13 at Hyderabad.**

Presented posters 1 each Dr. Kagal & Dr. Joshi, 4 by P.G students (Dr. Purabi, Dr. Anasua, Dr. Hemangi, Dr. Deepa).

Workshops/conferences attended as faculty:

1. Dr.Suvarna Joshi---Workshop on Research methodology at MUHS centre,Aundh,Pol foundation”Ayurved’medical College,Palghar,Mumbai and Sane Guruji Hospital Hadapsar
 2. Dr.Anju Kagal: Workshop on New TB and TB/HIV multidisciplinary Research partnerships in India: priorities and opportunities.held on Oct 27-28,2012 at Chest research foundation,Pune.
 3. Dr,Anju Kagal---POGS annual conference and west zone FOGSI conference---attended as a faculty on 22-23 Dec,2012 at BJMC,Pune
 4. Dr Renu Bharadwaj: “Communication Skills” conducted by MUHS
 5. Dr Renu Bharadwaj delivered the key note address at the workshop on “Anaerobic Infections “conducted by KLE Belgaum for the Karnatak Chapter
 6. Dr.Deshpande: 1. Workshop for internal auditor for NABL acreditation at Banglore in Oct 2012
2. HIV sentinel surveillance workshop organized by NACO at Nagpur in Dec.2012
- Dr. Renu Bharadwaj, HoD, presented the 70th seminar on :Leptospirosis – A journey from the microbe to its DNA” at University of Pune on 28/9/2013.at the University of Pune
 - Dr. Renu Bharadwaj – Guest lecture on “Multidrug Resistant Acinetobacter” in the workshop at Mahamicrocon XIX Maharashtra Chapter conference of IAMM at AFMC, Pune, Oct. 2013.
 - Dr. Anju Kagal chaired case report session at Mahamicrocon XIX Maharashtra Chapter conference of IAMM at AFMC, Pune, Oct. 2013.
 - Dr. Joshi attended “Communication skill workshop” for IInd MBBS students – attended as faculty – October, 2013.
 - Dr. Joshi – Faculty for MUHS research methodology workshop at Ayurved College, Akurdi – October 2013.
 - Dr. Deshpande, Dr. Dohe, Dr. Pednekar, Dr. Kamble and Dr. Desai attended Refresher training workshop on Quality Management and Internal Auditor at NARI from 22nd& 23rd Dec. 2013.
 - 2014- Dr. Sunil Bhamare attended National level workshop at NCDC ,New Delhi on Ebola virus Disease Pathogenesis and Control measures .

Other Activities :

A) ICTC laboratories & SRL laboratories: Both these laboratories are run to facilitate HIV testing in Pune and attached 96 PHCs

- ICTC stands for Integrated Counseling and Testing Centre for HIV. Location: Ground floor, Infosys building.
Timing: 8.30 am to 5.00 pm.
Counseling and testing of direct walk-in clients done free of charge.
Blood collection next to counselors room,
TV / DVD in waiting area
Condom pick in waiting area
Reports of HIV test available same day. Post-test counseling
CD4 count testing available to patients who are registered at ART center at BJMC.
- B) **Integrated Disease surveillance Centre:** The laboratory participates in this surveillance activity of national importance which keeps track of spread of communicable diseases in the community
- C) **Vector-Borne Disease Surveillance:**

The incidence of Malaria, Dengue, Chikungunya, is monitored and reported to the state health authorities for necessary action
- D) **State Level Leptospira laboratory:** The laboratory provides diagnostic services to the state for Leptospirosis and staff visit epidemic areas and collect samples and dispatch reports to the Public Health authorities for epidemic control

FUTURE PLANS :

- Introduction of viral loads for HIV patients on ART.
- Introduction of automation for Blood culture and Tuberculosis to decrease time of reporting to patients.
- Starting a course of DM Immunology

