

Department of Microbiology

College Website details November- 2016

I. Contact Information of the Department

Department E-mail ID	microbiology@sdumc.ac.in
Ext. No. HoD	113
Ext. No. Office	113
Ext. No. Central Lab	377

II. INTRODUCTION

A brief introduction about the Department which should include
(Please type inside the rows only, Use additional rows if necessary)

Various divisions / sections under the dept.
<ul style="list-style-type: none">• Bacteriology• Mycology• Serology• Immunology• Parasitology• Tuberculosis
When and What PG course / PhD / Fellowship were started in the dept.
The MD course in Microbiology was started in the year 2004 and since then 14 MD students have graduated.
PhD course in Microbiology was introduced in the year 2009.
Various services offered by the dept.
Diagnostic Services offered by the department include:
<ul style="list-style-type: none">• Bacterial and mycology cultures• Detection of antimicrobial resistance and multidrug resistance organisms• Serological and immunological tests• Immunofluorescence
Health-care Associated Infection Control Programme
Investigation of outbreaks in and around Kolar region
Instruments / Devices and Expertise worth mentioning
Chemiluminescence assay
Bact/Alert 3D – Automated Blood Culture System
Semiautomated ELISA
Fluorescent Microscopy, Dark Ground Microscopy
Lyophilizer
Long term storage facility with – 70 ⁰ C deep freezer
Any notable achievements of the dept.
3 MD students were awarded Gold Medal for Highest Marks in para-clinical subjects in

Department of Microbiology

the MD university Examination by SDUAHER in 2011 and 2013.

Any other information of the Dept. which is worth mentioning

III. Vision & Mission Statement & Objectives of the Dept.

Vision of the Department

- Service, Training and Research to mitigate suffering from microbial infections.

Mission of the Department

- To be a department of excellence for teaching and training in Medical Microbiology.
- To provide quality diagnostic services to patients with Infectious diseases.
- To conduct research in Microbial infections.

Objectives of the Department

1. To achieve 100% pass in IInd MBBS microbiology examination. To train medical caused students in microbiology so that they can diagnose, treat and prevent infectious diseases by viruses, bacteria, fungi, and parasites.
2. To achieve 100% results in MD Microbiology examination. To train postgraduate students who can teach microbiology, diagnose and conduct research and investigate epidemics of infectious diseases.
3. To provide 24x7 quality diagnostic services to patients with as many infectious diseases as possible.
4. To introduce molecular methods (PCR) in the diagnosis of infectious diseases.
5. To increase the number of research projects.
6. To train Medical Laboratory Technicians and staff nurses in safe handling of clinical by material and Safety Precautions to be followed in reducing Hospital associated infections conducting periodic workshops.

Department of Microbiology

IV. Updated List of HoD's

Sn	Name	From	To
1	Dr Radha Varadharajan	1.1.1988	30.8.1991
2	Dr Shankar Narayan	31.8.1991	23.3.1992
3	Dr Suguna Hemachander	24.3.1992	31.1.2003
4	Dr S.R. Prasad	1.2.2003	15.12.2009
5	Dr P.M. Beena	16.12.2009	Till Date

V. Updated Faculty List as on the day of Submission

(Prof / Assoc Prof / Asst Prof / Lect / Sr. Resident / Tutor / PG cum Tutor / Jr. Res)

Sn	Name	Qualifications	Designation	Contact Address (of Kolar Only) Mobile/Ext Nos. / E-mail
1.	Dr. Beena P.M.	MBBS, MD	Professor & HOD	Flat No. 1, H-block, Staff Quarters, SDUMC campus, Tamaka, Kolar- 563101 Mob: 9980164277
2.	Dr.S.R.Prasad	MBBS, MD	Professor & PG Director	No. 114, HIG houses, Karnataka Housing Board Colony, Near NH-4, Harohalli, Kolar – 563101 Mob: 7760259210
3.	Dr. Arvind Natarajan	MBBS, MD	Assoc. Professor	Flat No. 3, A-block, Staff Quarters, SDUMC campus, Tamaka, Kolar- 563101 Mob: 7406614777
4.	Dr. Parimala S	MBBS, MD	Assoc. Professor	Flat No. 4, G-block, Staff Quarters, SDUMC campus, Tamaka, Kolar- 563101 Mob: 9740189773
5.	Dr.Mamata Kale	MBBS, MD	Asst. Professor	Flat No. 5, K-block, Staff Quarters, SDUMC campus, Tamaka, Kolar- 563101 Mob: 9845260194
6.	Dr. Savitha N.	MBBS, MD	Asst. Professor	D/O Narasimhaiah, Savi-Raj, Nilaya, Amaranath Layout,

Department of Microbiology

				Bangarpet, Kolar District Mob: 9886998046
7.	Dr. Anitha D	MBBS, MD	Asst. Professor	'Sherin Cottage' 1 st Main, 2 nd Cross, Byregowda Nagar, Kolar-563101 Mob: 9663991461
8.	Dr. Aysha Yasmeen	MBBS	PG Cum tutor	No. 303, PG Ladies Hostel, SDUMC Campus, Tamaka, Kolar Mob: 8197640822
9.	Dr. Sagar Mali	MBBS	PG Cum tutor	No. 31, PG Hostel, SDUMC Campus, Tamaka, Kolar Mob: 9449486538

VI. PROFILE OF FACULTY (Professors, Assoc. Prof, Asst. Prof)

Sn	Faculty	Contact Information (Tel. No. / E-mail)	Experience -No. of yrs of Teaching Experience	Areas of Interest in Teaching & Research	Any Important Achievements (Awards, Hon's,)	Additional Charge held
1	Dr. Beena P.M.	9980164277	35 yrs	Bacteriology, Immunology, Parasitology	-	-Co-Editor, Journal of Clinical and Biomedical Sciences (JCBS) - Officer incharge CSSD - Member Secretary, HICC
2	Dr.S.R.Prasad	7760259210	39 yrs	Virology, Parasitology, Medical Education	-	Director for PG studies
3	Dr. Arvind	7406614777	12 yrs,	Tuberculosis,	-	Technical

Department of Microbiology

	Natarajan		6 mths	Neuroinfections		Manager, NABL, CDLS
4	Dr. Parimala S	9740189773	5 yrs, 4 mths	Immunology, Bacteriology	Gold Medal for highest marks in para-clinical subjects in MD examination, SDUAHER	- Lab Safety Officer, CDLS, - Deputy Quality Manager, Microbiology, CDLS, -Member, Student Research committee
5	Dr.Mamata Kale	9845260194	4 yrs	HIV medicine, Dengue	-	Deputy Technical Manager, NABL, Microbiology CDLS
6	Dr. Savitha N.	9886998046	4 yrs	Immunology, Infection Control	-	Coordinator, NABH
7	Dr. Anitha Deva	9663991461	2 years 2 mths	Leptospira, Infection Control	- Gold Medal for highest marks in para-clinical subjects in MD examination, SDUAHER	Infection control officer, HICC

VII. Research Publications of Faculty in the last five years 2012-16

Sn no.	Research paper title	Authors Names	Journal Details (In Vancouver Style Only)
1.	Cytological diagnosis of tuberculous cervicitis: a case report with review of	Kalyani R, Sheena SR, Rajini M	J Cytol 2012;29(1):86-88

Department of Microbiology

	literature		
2.	Chlamydia in reproductive tract infections: scenario in Kolar region	Sunitha V, Rajini M, Prasad S R	Int J Biol Med Res. 2012;3(1):1303-1306
3.	Rapid slide culture to diagnose smear negative pulmonary tuberculosis under the Revised National Tuberculosis control Programme	Sanjeev H, Hema S, Prasad S R	Biomedicine. 2012;32(2):190-193
4.	Leptospirosis – A Case Report of a patient with Unusual Pulmonary Involvement	Krishnappa J, Susheela C, Beena P M, Dhananjaya C D	J Clin Biomed Sci 2012;2(1):40-44
5.	Necrotising fasciitis due to multidrug resistant <i>Acinetobacter baumannii</i> : Treatment options	Parimala S, Gokul B N, Sheela S R, Sriramulu P N, Beena P M	J Clin Biomed Sci 2012;2:87-89
6.	A clinicoepidemiological profile of Leptospirosis among children in Kolar Southern India	Krishnappa J, Ranganath BG, Rajini M	J Clin Biomed Sci 2012;2:134-140
7.	<i>Serratia marcescens</i> : An Unusual pathogen associated with snake bite cellulitis	Parimala S, Gokul B N, Bhaskaran A, Beena P M.	Journ Infect Dev Ctries 2013;7:152-54
8.	Inducible clindamycin resistance in <i>Staphylococcus aureus</i> isolates from a rural tertiary care hospital, Kolar.	Vidhya R, Parimala S, Beena P M	J Clin Biomed Sci 2013;3:125-28
9.	Cholera outbreak in a village of South India – Timely action saved lives	Deepthi R, Sandeep S R, Rajini M, Rajeshwari H, Shetty A	J Infect Public Health 2013;6:35-40
10.	Evaluation of Antibacterial activity of <i>Pongamia pinnata linn</i> on Pathogens of Clinical Isolates	Rani MS, Dayanand CD, Shetty J, Vegi PK, Kutty AVM.	American J Phytomed Clin Therapeutics 2013;1:645-51
11.	Relationship between ABO blood groups and Malaria	Gayatri BN, Harendrakumar ML,	Global J Med and Public Health 2013;2:1-7

Department of Microbiology

	with clinical outcome in rural area of south India	Gomathi N, Jeevan Shetty, Reetesh RP	
12.	Microbial profile of ventilator associated pneumonia at a rural tertiary care centre	Swetha KJ, Beena P M, Gokul B N, Dinesh K	J Clin Biomed Sci 2013;3:133-36
13.	An evaluation of Universal Sample Processing method under Revised National Tuberculosis Control Programme set up for the diagnosis of pulmonary tuberculosis.	Savitha P, Prasad SR	Int J Med Public Health 2013;2;250-53
14.	Antimicrobial stewardship to optimize antimicrobial use. Editorial	Beena PM.	J Clin Biomed Sci 2013;3:157-58
15.	Neglected Tropical Diseases. Editorial	Prasad SR	J Clin Biomed Sci 2013;3;1-2
16.	Pneumococcal infections at a rural tertiary care hospital: A seven year study on isolation rate, clinical spectrum and antibiogram	Anitha D, Prasad SR, Beena PM, Krishnappa J, Raghavendra Prasad BN.	J Clin Diagn Res 2014;8;50-51
17.	Extended Spectrum Beta Lactamases producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> : A multi-centric study across Karnataka	Sridhar Rao P N, Prasad SR, Radhakrishna M, Krishna S	J Lab Physicians 2014;6;7-13
18.	Primary tubercular mastitis masquerading as malignancy.	Prathima S, Kalyani R, Parimala S	J Nat Sc Biol Med 2014;5;184-186
19.	Maternal and congenital syphilis in Karnataka, India – issues and concerns.	Archana BR, Prasad SR, Beena PM, Okade R, Sheela SR, Beeregowda YC	Southeast Asian J Trop Med Public Health 2014;45;430-434
20.	Diagnosis of neurocysticercosis by computed tomography: how	Komal C, Umesh K, Kishore Kumar BN, Prasad SR	J Clin Biomed Sci 2014;4;230-234

Department of Microbiology

	much more do magnetic resonance imaging and serology, in addition, contribute?		
21.	Making serological diagnosis of syphilis more accurate	Archana BR, Prasad SR, Beena PM, Okade R	Indian J Sex Transm Dis & AIDS 2014;35;70-71
22.	Brucella infection in high risk population and in patients hospitalized for fever: a serological study at Kolar, Karnataka	Dhanalaxmi A, Prasad SR, Tanveer KM, Srinivas Rao	Ann Trop Med Public Health 2013;6(5):549-553
23.	Chromoblastomycosis - A case report.	Mukthamani, G, Rajendra Okade, Vidyavathi K, Prakruthi K.N, Trupthi G	Int J Biol Med Res 2014; 5(2):4104-06
24.	Objective Triggered Learning: A method to put objectives to work	Mamata K, Prasad SR, Parimala S, Beena PM	J Educational Res Med Teach 2014;2(1):9-13
25.	Study of the distribution of <i>Malassezia</i> species in patients with Pityriasis versicolor in Kolar region, Karnataka.	Archana BR, Beena PM, Shivakumar V.	Indian J Dermatol 2015;60:321
26.	Infections by Carbapenemase producing Enterobacteriaceae in a rural tertiary care hospital, Karnataka: Prevalence, Treatment options and Outcome.	Gowda T, Prasad SR, Gupta S, Hiresave S, Beena PM	Int J Health Sci Res 2015;5:90-96.
27.	Bacterial contamination of platelet at university hospital: A prospective surveillance study.	Das S, Kale M, Beena PM, Kumar H	Int J Curr Microbiol App Sci 2015;4:805-12
28.	Antibacterial activity of Flavonoids extracted from seeds of <i>Pongamia pinnata</i>	Inala MSR, Dayanand CD, Sivaraj N, Beena PM,	BMRJ 2015;10:1-8

Department of Microbiology

	Linn on Methicillin Resistant <i>Staphylococcus aureus</i> .	Kutty AVM.	
29.	Bacteriological spectrum and antimicrobial resistance pattern in a multidisciplinary intensive care unit.	Sudhamani, Devnikar AV, Sagar M, Beena PM.	National Journal of Laboratory Medicine 2015;4:87-91
30.	Nasal carriage of <i>Staphylococcus aureus</i> among interns before and after posting in Department of Surgery at a tertiary care hospital.	Majety P, Huan PS, Syi LS, Murthy SS, Vardhana H, Prasad SR	J Acad Clin Microbiol 2015;17:115-118
31.	Parotid abscess in children – a tertiary rural hospital experience.	Laxmi Narayana M, Azeem Mohiyuddin SM, Kauser M, Devnikar AV, Prasad KNV.	Int J Pediatr Otorhinolaryngol 2015;79:1988-90
32.	Detection of extended spectrum beta lactamases. (Correspondence)	Rao PNS, Prasad SR.	Indian J Med Microbiol 2016;34:251-52
33.	Profile of blood stream infections in paediatric patients in a rural tertiary care hospital.	Vidhya R, Beena PM.	J Clin Biomed Sci 2015;5:68-73
34.	Endemic Cholera in Kolar region, 2001-2014: Seasonality, Serotypes and Reversal of resistance to antibiotics among <i>Vibrio cholerae</i> isolates	K Swetha, Anitha Deva, Beena PM, Prasad SR.	J Commun Dis 2016;48:7-11
35.	Acute pancreatitis, Hepatitis and Bone Erosion in Acute Yellow Phosphorus Compound Poisoning – A Rare Complication	Prabhakar K, Parimala S, Arun VG, Reddy P, Chandrakala S	J Clin Diagn Res 2016;10:DD03-DD05

VII. Completed Research Projects by Faculty in the last five years 2012-16

Department of Microbiology

Sn	Investigators Names (Principal Investigator name first)	Title of the Research Project	If published, name of the title of the Research article & details of Journal published
1	Dr. P.M. Beena Dr. Anushka Devnikar	To study the prevalence of Beta haemolytic Streptococci in and around Kolar	External funded project by Ganga Gen Biotechnologies Pvt. Ltd
2	Dr. P.M. Beena Dr. Parimala S.	Speciation and antifungal susceptibility of Candidal Isolates	Funded by SDUAHER, Tamaka, Kolar
3	Dr. Anushka D, Dr. Prasad SR, Dr. Beena PM, Dr. Trupthi G	Screening for inducible AmpC β -lactamase among members of Enterobacteriaceae from clinical samples.	Non funded project
4	Dr. Das, Dr. Mamata K, Dr. Harendra Kumar, Dr. Beena PM	Evaluation of Chemiluminescence assay for diagnosis of Syphilis.	Non funded project
5	Ms. Priyanka R, Dr. Parimala D, Dr. Hariprasad	Pin Tract Infections: Incidence, Causative Agents and their Antibiogram in a Tertiary Care Hospital	ICMR Student Project

VIII. Ongoing Research Projects by the Faculty

sn	Investigators Names (Principal Investigators Name First)	Project Title	Funded / Non- funded If funded, by which Agency
1	Dr. Mamata Kale Dr. S.R. Prasad	Serotypes of Dengue virus in patients hospitalized for dengue fever at RL Jalappa Hospital, Kolar	Funded by SDUAHER, Tamaka, Kolar.

IX. Ongoing PG (MD / MS) Dissertation Projects in the Department

Department of Microbiology

Si No	Dissertation title	Post Graduate Name	Guide Name & Designation
1	Seroprevalence of Toxoplasma Gondii Antibodies in Pregnant Women Admitted for Delivery and Newborns at Kolar	Dr. Aysha Yasmeen	Dr. Prasad SR
2	Evaluation of Microscopy, Culture and PCR Assay in the Diagnosis of Extrapulmonary Tuberculosis	Dr. Sagar M	Dr. PM Beena

X. Completed PhD Thesis in the Department

Sn	Thesis title	Research Scholar Name	Guide Name & Designation
1	Phenotypic and Genotypic characterization of ESBL producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> across Karnataka	Mr. Sridhar Rao	Dr. SR Prasad

X. Ongoing PhD Thesis in the Department

Sn	Thesis title	Research Scholar Name	Guide Name & Designation
1	Detection and Characterization of <i>Orientia tsutsugamushi</i> in humans, domestic rodents, ticks and mites by PCR in Kolar region	Mr. Vijaykumar G	Dr. Beena P.M.
2	Carbapenem resistance in biofilm producing <i>Acinetobacter baumannii</i> : an observational study in tertiary care hospital at Kolar	Mr. Purnachandra	Dr PM Beena

XI. CME / Workshop / Conferences Conducted by the Dept. in the year 2012 – 2016

Department of Microbiology

Sn	Title of CME / Workshop / Conference	Date & Year Conducted	Whether National / State / Regional / Institutional level meet
1	CME on 'Acute Otitis Media' (in collaboration with departments of ENT and paediatrics)	17 th April 2012	State
2	Workshop on 'Safety measures in sample handling and processing' for laboratory technicians	15 th March 2013	Regional
3	Workshop for nurses on 'Safety Precautions: Hand Hygiene, Sample Handling, Blood Spill Management, Post-Exposure Prophylaxis (PEP) and Biomedical Waste Management'	14 th and 21 st March 2014	Institutional
4	Workshop on 'Infection Control in Clinical Practice' (in collaboration with department of Paediatrics)	10 th October 2014	State
5	CME on 'Emerging Viral Infections'	19 th September 2014	State
6	Hospital Infection Control Prevention and Control Programme	14 th to 22 nd June 2016	Institutional

XII. Academic Prizes & Awards won by the Faculty in the last 3 yrs 2012-16

Sn	Title of the Prize / Award	Faculty Name & Designation	Awarding Authority	Venue where awarded	Date/ year of Award
1	Gold medal for securing highest marks in para-clinical subjects in MD university examination	Dr. Parimala. S Assistant Professor, Department of Microbiology	Sri Devaraj Urs University (SDUU)	SDUU	2012
2	Gold medal for securing	Dr. Anitha D	Sri Devaraj Urs	SDUU	2015

Department of Microbiology

highest marks in para-clinical subjects in MD university examination	Assistant Professor, Department of Microbiology	University (SDUU)		
--	--	----------------------	--	--



Prof and HOD-Dr PM Beena; **Professor-**Dr SR Prasad; **Associate Professor:** Dr Arvind Natarajan, Dr Parimala S, **Assistant Professor:** Mamata K, Dr Savitha N, Dr. Anitha D; **Post Graduates:** Dr Sagar Mali, Dr Aysha Yasmeen

Department of Microbiology



Department of Microbiology

