


Name	Dr Shinu Pottathil			
Specialization	Medical Microbiology			
Current Position	Assistant Professor			
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Academic Qualifications	Degree/year/university/country	PhD (2015) Medical Microbiology, Markandeshwar University, Ambala (India)		
	Degree/year/university/country	Master of Science (2006) Medical Microbiology, Manipal University, Manipal, Karnataka (India)		
	Degree/year/university/country	Bachelor of Science(2003), Botany , Calicut University, Calicut (India)		
Teaching Experience	<p>05/03/2007 - 31/03/2017- Assistant Professor, Maharishi Markandeshwar Institute of Medical Sciences and Research, Maharishi Markandeshwar University, Ambala (India)</p> <p>01/04/2017-09/09/2018- Associate Professor , Assistant Professor, Maharishi Markandeshwar Institute of Medical Sciences and Research, Maharishi Markandeshwar University, Ambala (India)</p>			
All the Courses Taught and Teaching in	<ul style="list-style-type: none"> ➤ 2020211: Pathophysiology 1 ➤ 2020223: Medical Microbiology 			
Research Interests	<ul style="list-style-type: none"> ▪ Designing and evaluating new Digestions and decontamination techniques for recovery of Mycobacterium tuberculosis ▪ Designing new drug susceptibility testing methods for Mycobacterium tuberculosis ▪ Molecular Characterization of drug resistant Mycobacterium tuberculosis strains ▪ Molecular Drug resistance mechanisms of Gram negative bacteria ▪ Screening methods for the detection of various infections 			

<p style="text-align: center;">Research Grants Received</p>	<ul style="list-style-type: none"> ▪ Shinu P and Varsha A Singh, Evaluation of two novel Digestion and decontamination methods for the recovery of Mycobacterium tuberculosis. Indian Council of Medical Research (ICMR) India, 2017.
<p style="text-align: center;">Publications (Latest 20 publications)</p>	<ol style="list-style-type: none"> 1. Patidar D, Sogi S, Singh V, Shinu P, Loomba A, Patidar DC. Salivary levels of Streptococcus mutans and Streptococcus sanguinis in early childhood caries: An in vivo study. J Indian Soc Pedod Prev Dent. 2018 Oct-Dec;36(4):386-390. 2. Kumar H, Singh VA, Isha M, Mehta S, Garg R, Shinu P. Line Immunoassay: A Rapid Test for Screening TORCH Complex in Antenatal Patients with Bad Obstetric History. Mymensingh Med J. 2018 Jul;27(3):641-644. 3. Kumar N, Singh VA, Beniwal V , Shinu P. Modified Carba NP Test: Simple and rapid method to differentiate KPC- and MBL-producing Klebsiella species. J. Clin. Lab. Anal. 2018, Sept 3(7):: e22448 4. Kumar N, Singh VA, Shinu P. Metallo-β-lactamase- and serine carbapenemase-producing Klebsiella spp.: a global challenge. J Glob Antimicrob Resist. 2018 Feb 4;12:185-186. 5. Shinu P, Singh V, Nair A. Isoniazid and rifampin drug susceptibility testing: application of 2,3,5 triphenyltetrazolium chloride assay and microscopic-observation drug-susceptibility assay directly on Ziehl-Neelsen smear positive sputum specimens. Braz J Infect Dis. 2016 Jan-Feb;20(1):33-40 6. Shinu P., AshokKumar Singh, V., Nair, A., Farooq, R. and Ishaq, S. (2015), Long-Term Storage at -80°C: Effect on Rate of Recovery of Mycobacterium tuberculosis From Direct Acid-Fast Bacilli Smear-Positive Sputum Samples. J. Clin. Lab. Anal.. doi:10.1002/jcla.21904 7. Sawhney N., Shinu P, Singh VA. Bacteriological Profile and Antibiotic Susceptibility Pattern of Neonatal Septicaemia in a Tertiary Care Hospital. Int.J.Curr.Microbiol.App.Sci (2015) 4(10): 977-984 8. Bareja R, P Shinu, Grover PS, Singh H. The simplest technique for cultivation and maintenance of Balantidium coli. Int J of Health & Allied Sciences 2015; 4 (4):218-221 9. Surje R, Shinu P , Kundu A, Sharma K and Singh V. performance of selective and indicator media sterilized at different holding times and temperatures. Annals of pharma research, 2015; 3 (02):01-07 10. Shinu P, Bareja R, Goyal M, Singh V, Bansal M, Goyal M, Bunker R, Setia ,A.S. Risk factors associated with trimethoprim sulfamethoxazole and ciprofloxacin resistance among Escherichia coli strains isolated from community acquired urinary tract infection Indian Journal of Clinical Practice, Vol. 25, No. 9, 2015 pp854-860 11. P Shinu , Singh V, N Sawhney, S Mehta . Arcanobacterium haemolyticum associated urinary tract infection. CCME, 2014 1(2), 30-31

12. **Shinu P**, Bareja R, Goyal M, Singh V, Mehrishi et al. Extended spectrum beta lactamase and Amp C beta lactamase production among Gram negative bacilli isolates obtained from urinary tract infections and wound infections. Indian Journal of Clinical Practice, 2014 April: 24(11) 1019-1026
13. **Shinu P**, Singh V, Nair A, Mehrishi P, Mehta S, Joshi E. Application of cetylpyridinium chloride and sodium chloride decontamination method for recovery of Mycobacterium tuberculosis from clinically suspected cases of pulmonary tuberculosis. Diagn Microbiol Infect Dis. 2013 Oct;77(2):150-7.
14. Bareja R, G Kanu, **Shinu P**, NK Vinod, Singh V A, Grover PS, Evaluation of Methicillin Resistant Staphylococcus Aureus Colonization in Patients and Nursing Staff of Intensive Care Units of A Tertiary Care Hospital in A Rural Area. NJLM Vol. 2(4) 2013 ,pp 18-2
15. Bareja R, **Shinu P**, Shah RK , Grover PS, Singh V A .Trends in Bacterial etiology amongst cases of Meningitis J. Acad. Indus. Res. Vol. 1(12) 2013 ,pp 761-765
16. Bareja R, **Shinu P**, Shah RK , Grover PS, Singh V A Simultaneous detection of Extended-spectrum- β -lactamase, AmpC- β -lactamase and Metallo- β -lactamase in gram negative clinical isolates on a single plate . IOSR-JDMS 6(2) 2013, pp 74-77
17. Nair AB, Singh K, **Shinu P**, Harsha S, Al-Dhubiab BE. A comprehensive study to evaluate the effect of constant low voltage iontophoresis on transungual delivery. Drug Dev Ind Pharm. 2013 May; 39(5):807-15.
18. **Shinu P**, Nair A, Jad B, Singh V. Evaluation of two pretreatment methods for the detection of Mycobacterium tuberculosis in suspected pulmonary tuberculosis. J Basic Microbiol. 2013 Mar;53(3):260-7.
19. **Shinu P** , NN Sareesh, Singh V Clinicomycological profile of dermatophytosis in a tertiary referral centre. CTBCR 2012, 1(2) ,121-126
20. **Shinu P**, Nair A, Singh V, Kumar S, Bareja R evaluation of rapid techniques for the detection of mycobacteria in sputum with scanty bacilli or clinically evident, smear negative cases of pulmonary and extrapulmonary tuberculosis. Mem inst osvaldo cruz. 2011;106(5):620-4.

<p style="text-align: center;">Presentations and Abstracts</p>	<ul style="list-style-type: none"> ▪ Shinu P and Varsha A Singh, Evaluation of two novel decontamination methods for the recovery of Mycobacterium tuberculosis from clinically suspected pulmonary tuberculosis cases. 27th European congress of clinical microbiology and infectious disease (ECCMID), Vienna , Austria – April, 2017 ▪ Shinu P and Varsha A Singh. Bacterial profile of skin and soft tissue infections at MMIMSR,Mullana – A three year retrospective study” in National CME cum Microcon (North West chapter) organized by department of microbiology , SGRD , Amritsar , Punjab,India. April,2016 ▪ Shinu P, Sumi, Varsha A Singh. Detection of biofilm formation by tissue culture plate method ,tube adherence and modified congored method in staphylocossue aureus” presented in National conference of Indian association of medical microbiologists , Postgraduate Institute of Medical Education & Research , Chandiagrh ,India, Nov,2016 ▪ Shinu P , Varsha A Singh, Sonia Mehta . Participated in the State TB conference, organized by department of community medicine B.P.S Govt medical college, Sonapat, Haryana, India March, 2016
<p style="text-align: center;">Memberships</p>	<ul style="list-style-type: none"> ➤ Member Of International Forum Of Teachers (IFT) of the UNESCO Chair In Bioethics ➤ Life membership of Indian Association of Medical Microbiologists ➤ Life membership of National MSc Medical Teacher Association ➤ Life member of Society of Biological Scientists of India
<p style="text-align: center;">Workshops / Seminars attended</p>	<ul style="list-style-type: none"> ▪ Participated in a workshop entitled “Antimicrobial susceptibility testing with EUCAST breakpoints and methods”. Co-organized by: European Committee on Antimicrobial Susceptibility Testing (EUCAST)., Reed Messe Wein , Vienna , Austria , April 2017. ▪ Attended CME on Clinician, microbiologist and pathologist - joining efforts in diagnosis Co-organized by: ESCMID Study Group for Forensic and Postmortem Microbiology (ESGFOR), ESCMID Study Group for Critically Ill Patients (ESGCIP), European Society of Pathology (ESP),),Reed Messe Wein , Vienna , Austria , April 2017. ▪ Attended CDE on “Caricnogeneis; Molecular, Imaging And Surgical Aspects” organized by oral and maxillofacial pathology, M.M. College of dental sciences and research, Mullana March,2016. ▪ Attended “Workshop on research tools” organized by medical education unit, M.M.I.M.S.R , Mullana, April 2014 ▪ Attended CME on Pharmacovigilance organized by Abbott at M.M.I.M.S.R, Mullana October ,2012 ▪ Attended CME on Revised National Tuberculosis Control Programme organized by state TB cell ,Haryana at M.M.I.M.S.R, Mullana 27th, August ,2010

