

CV

**Dr. Suresh Mickymaray, M.Sc., Ph.D., [Microbiology]
and
Diploma in Medical Laboratory Technology (DMLT)**

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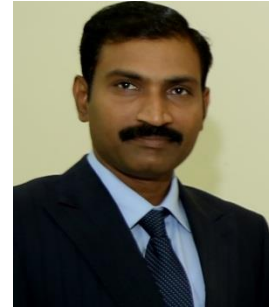
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Dr. Suresh Mickymaray

Assistant Professor
 Department of Biology
 Central Bioscience Research Laboratories
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 Majmaah University- Zulfi
 Kingdom of Saudi Arabia



CURRICULUM ABSTRACT: OVER 22 years of active involvement in Diagnostic Microbiology fields inclusive of Research, Teaching, Clinical Diagnostic Microbiology, Molecular biology, Project guidance's for Masters, M.Phil., and Ph.D's. Day to-day Lab management and administration, Hospital infection control, CME organization and External quality control programs etc.

CARRIER POSITIONS :

AUGUST 2014 TO PRESENT ASSISTANT PROFESSOR DEPARTMENT OF BIOLOGY FORMERLY IN MEDICAL LABORATORIES

**MEMBER-RESEARCH: CENTRAL BIOSCIENCE RESEARCH LABORATORIES (CBRL)
 COLLEGE OF SCIENCE MAJMAAH UNIVERSITY
 AL-ZULFI – KINGDOM OF SAUDI ARABIA**

2012 To AUGUST 2014	HEAD- MICROBIOLOGY & MOLECULAR BIOLOGY ASSISTANT PROFESSOR	DEPT. OF MICROBIOLOGY & MOLECULAR BIOLOGY DOCTORS' DIAGNOSTIC CENTER -TRICHY (A UNIT OF MULTISPECIALITY LAB SERVICES) (STATE GOVT APPROVED CENTRE FOR H1N1 TESTS) DOCTORS' INSTITUTE OF LABORATORY SCIENCE (Affiliated to Tamilnadu Dr. MGR Medical University – Chennai)
OCTOBER,2010 To January, 2012	ASSISTANT PROFESSOR	Urumu Dhanalakshmi College AFFILIATED TO BHARATHIDASAN UNIVERSITY- TRICHY
JUNE 2006 – OCT-2010	RESEARCH SCHOLAR	A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur In collaboration with DOCTORS' DIAGNOSTIC CENTRE- TRICHY
APRIL- 2004- MAY 2006	MICROBIOLOGIST	DOCTORS' DIAGNOSTIC CENTRE
1993 to June 2004	ASSOCIATE MICROBIOLOGIST	SEAHORSE HOSPITALS LTD., TRICHY (ISO9001 -2000 certified concern)
1996 To 1998	MICROBIOLOGY LECTURER FOR PG DIPLOMA IN CLINICAL CHEMISTRY	URUMU DHANALAKSHMI COLLEGE , COURSE CONDUCTED AT SEA HORSE HOSPITALS LTD -TRICHY, AFFILIATED TO BHARATHIDASAN UNIVERSITY- TRICHY

1994 TO AUGUST 2014	VISITING PROFESSOR	SAASTHA INSTITUTE OF MEDICAL TECHNOLOGY-TRICHY
APRIL 2014 ONWARDS	MEMBER BOARD OF STUDIES -MICROBIOLOGY	A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur
2011 TO PRESENT	MEMBER – BOARD OF STUDIES-PG ZOOLOGY	BISHOP HEBER COLLEGE (AUTONOMOUS) NATIONALLY REACCREDITED AS A+ LEVEL BY NAAC
2012 TO AUGUST 2014	MICROBIOLOGY PH.D DOCTORAL COMMITTEE MEMBER	BHARATHIDASAN UNIVERSITY- TRICHY
2010 –AUGUST 2014	EXTERNAL EXAMINER	2 YEARS DIPLOMA, PG DIPLOMA IN MEDICAL LAB TECHNOLOGY ALL INDIA INSTITUTE OF MEDICAL TECHNOLOGISTS- KOLKATA
2010 – AUGUST 2014	VISITING PROFESSOR MICROBIOLOGY	KMC COLLEGE NURSING – TRICHY
2012 TO PRESENT	MEMBER	INDIAN INITIATIVE FOR MANAGEMENT OF ANTIBIOTIC RESISTANCE (IIMR)
2014	ASSOCIATE MEMBER	ALL INDIA INSTITUTE OF MEDICAL TECHNOLOGISTS (AIIMT)–KOLKATA (AFFILIATED TO INTERNATIONAL FEDERATION OF BIOMEDICAL LABORATORY SCIENCE-IFBLS)

EDUCATIONAL PROFILE

RESEARCH : **DOCTOR OF PHILOSOPHY IN MICROBIOLOGY (Ph.D : AWARDED AS HIGHLY COMMENDED)**

College studied : A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavore

University : Bharthidasan University, Tiruchirappalli, India.

Duration : 4 Years (2006 – 2010) Degree awarded: October -2010

Research Title : **Immuno Molecular Diagnosis of HIV/AIDS infections and Antimicrobial studies for AIDS associated opportunistic pathogens.**

POST-GRADUATION : **MASTER OF SCIENCE IN MICROBIOLOGY (M.Sc)**

College studied : Urumu Dhanalakshmi College -Trichy

University : Bharathidasan University, Trichy, India.

Duration : Two years (1999 – 2001)

Research Title : Demographic features and opportunistic Bacterial, Fungal and Protozoan infections in patients with Acquired Immunodeficiency Syndrome (AIDS) in Tiruchirappalli city environs.

UNDER GRADUATION : BACHELOR OF SCIENCE IN ZOOLOGY (B.Sc)

College studied : Bishop Heber College, Trichy

University : Bharathidasan University, Trichy, India

Duration : Three years (1989-1992)

TECHNICAL : DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (DMLT)

Study centre : Advanced Medical Diagnostic Training Centre, Trichy

Academic Board : All India Medical Laboratory Technologists Association (AIMLTA)- New Delhi.

Duration : One year, (1992-1993)

AREA OF EXPERTISE IN CLINICAL MICROBIOLOGY AND MOLECULAR BIOLOGY

- Clinical Diagnostic Microbiology
- Clinical Diagnostic Molecular Biology of infectious Disease (Real-Time PCR)
- Clinical Mycology
- Clinical Parasitology

Expertise in:

- All Routine & Special Microscopical examination for Bacteria, Mycobacteria, Fungi, Ray Fungi and Blood and Intestinal Parasites.
- Culture, Identification and susceptibility testing for Aerobic, Anaerobic, Mycobacteria and fungi.
- Clinical correlation, discussion with Consultant's Reporting and Interpretation.
- Periodical Bacterial surveillance of Operation Theatres, Intensive Care Units and Dietetics. Coordination with Hospital Infection Control Committee (HICC).
- Monitoring of Sterilization Procedures and protocol.
- Internal quality maintenance of Culture media, Stains, Antibiotic discs, disinfectants & Biomedical instruments.
- Hospital Infection Control.

**AUTOMATED INSTRUMENTS
HANDLED IN MICROBIOLOGY**

**VERSA - TREK FROM TREK DIAGNOSTIC'S SYSTEM -USA.
: BACT/ALERT 3D RAPID CULTURE SYSTEM- BIOMERIEUX-USA.
VITEK AUTOMATED IDENTIFICATION AND SUSCEPTIBILITY SYSTEM**

EXPERTISE AREA IN MOLECULAR BIOLOGY

- Viral, Bacterial DNA and RNA isolation from clinical samples
- Blood RNA Isolation from ALL/CML Cases.
- HIV Viral load estimation by Real-Time PCR
- HBV Quantitative and Qualitative analysis by Real-Time PCR
- HCV Quantitative and Qualitative analysis by Real-Time PCR
- HSV , CMV , DENGUE , CHIKUNGUNYA , H1N1 and Factor-V leiden qualitative and quantitative analysis by Real-Time PCR assay .
- BCR/ABL Major quantitative analysis By Real-Time PCR
- HER2/neu Breast cancer assay by Real-Time PCR assay
- Mycobacterial (MTB and MOTT) detection by Real –Time PCR assay.

**INSTRUMENT HANDLED IN MOLECULAR BIOLOGY: ROTOR –GENE RG3000 FROM CORBETT RESEARCH –AUSTRALIA
Mx3005P QPCR SYSTEMS- AGILENT TECHNOLOGIES -USA
APPLIED BIOSYSTEM – AB7500 REAL-TIME PCR SYSTEM –USA
NANO DROP FOR NUCLEIC ACID QUANTIFICATION SYSTEM
VACUUM CENTRIFUGE FOR NUCLEIC ACID CONDENSATION**

Quality Accreditations :

**Worked as internal lead quality auditor for “ISO 9001 -2000” at
Seahorse Hospital- Trichy 2000 to 2014**

**Worked as Deputy Manager and Coordinator for “NABL”
certification at Doctors’ Diagnostic Centre – Trichy from November
2000 to August 2014**

Presently Working Projects under Majmaah University

Investigation of antibacterial activity and active principle compounds in selected medicinal plants against ESBL, Carbapenemases, MBL and other gram negative bacterial pathogens isolated from critically ill patients of Saudi Hospitals

Incidence and Molecular typing of *Aspergillus* species in Bronchial Asthmatic Cases in and around AlZulfi City and Antimycotic studies of marine macro algae reaped from Red sea coasts

GUEST LECTURES ON CME's, AS A RESOURCE PERSON

- Delivered a lead lecture on “ **Known Microbes with unknown Infections- A Diagnostic Tackling Plan**” at Smt Indhira Gandhi College-, Trichy in one day inter college seminar conducted on 14th August 2015.
- Delivered a lead lecture on “ **Diagnostic Molecular Microbiology – Need of the hour**” at Smt Indhira Gandhi College-, Trichy in one day inter college seminar conducted on 9th August 2014.
- Delivered a lead lecture on “ **Antimicrobial resistance**” in Child-Jesus Hospital, Trichy *District in one day state level seminar* conducted on 14th March 2014.
- **microbial resistance - Emerging global threat**” in Research Department of Microbiology- M.R Government Arts college-Mannargudi, Thanjavur *District in one day state level seminar* conducted on 14th March 2014.
- Presented a poster in “ **Incidence of Opportunistic Fungal Infections in HIV/AIDS patients accordance to various stages of CD4 count and viral load in people in and around Trichy**” in *National Conference on New Opportunities and Challenges in Microbial Research*, during 5th and 6th September 2013 at Dept of Microbiology, School of Life Sciences, Bharathidasan University, Trichy.
- As resource person and Hospital Infection Control committee member of Kauvery hospital- Trichy, delivered a lecture in 3 days hospital infection control workshop with the topic of “**Surveillance of Health Care Associated infections**” on 24th March 2013.

- Given a lecture on “ **Antimicrobial resistance (AMR)- Think globally, Act locally**” as a special guest lecturer in **22nd congress of biomedical laboratory sciences** with the theme of “Patient safety, accreditation of quality assurance in laboratories” at Eknath auditorium, Vivekananda Kendra, kanyakumari district on 2nd and 3rd February 2013.
- Delivered a lecture on “**Monitoring of Hospital Acquired Infection**” in 3 days programme of *Hospital Infection Control Workshop* at KMC speciality Hospital (I) Ltd., Trichy. On October 22, 2010.
- Delivered a lecture on “**Automation in Clinical Microbiology**”, AIIMT20th **National congress of Biomedical Laboratory science**, 18-19, December 2010 at St. Joseph’s College, Thiruchirappalli.
- “**Diagnosis of fungal/ bacterial keratitis- a practical approach.** Suresh M, Rath P.K, Panneerselvam A, and Thajuddin N. National seminar on recent trends in biological science. P: 31. Op-10. 12th April 2009 Thanjavur.
- “**Incidence of Rotavirus gastroenteritis in childhood diarrhea**” Suresh M, Rath P.K, Panneerselvam A, and Thajuddin N. *National symposium on microbial biodiversity, bioremediation and biotechnology OP: 3, P: 27* July 28-29, 2008.
- “**Incidence of Mycobacterium tuberculosis in cases of female infertility**” A prospective study with direct microscopy, culture and Real-Time PCR for Mycobacteria in endometrial biopsy material Suresh M, Rath P.K, Panneerselvam A, and Thajuddin N. **The 28th World congress of biomedical laboratory science .P: 58. O3-14. IFBLS-AIIMT,Aug 24-28, 2008.**
- “**Screening of Anti Fungicidal activity of medicinal plants against ophthalmic important Fungi**” Prabhakaran M, Thennarasu V, Suresh M, and Panneerselvam A. **The 28th World congress of biomedical laboratory science. P: 60. O3-17. IFBLS-AIIMT,Aug 24-28, 2008.**
- “**Retrospective mycological study of FESS (Fibro optic Endoscopic Sinus Surgery) biopsy material in patients with sinusitis**”. Suresh M, Rath P.K, Panneerselvam A, and Thajuddin N. Pg.01 NSCSMT, Bharathidasan University, Trichy on January 03-05, 2008.

PUBLICATIONS:

- 1) Saranya, A.S., **Suresh, M.**, Mohammed Saleh Al Aboody., Rath, P.K., Berhanu Kibemo and Moorthy Kannaiyan” Prevalence of metallo- β -lactamases in carbapenem resistant *Acinetobacter baumannii* isolated from tracheal secretions” **International Journal of Recent Scientific Research** 2017;8 (1): 15197-15202

- 2) Raja Vinodhini, Kannian Moorthy, Mohammed Saleh Al Aboody and **Suresh Mickymaray**, Incidence And Virulence Traits Of *Candida Dubliniensis* Isolated From Clinically Suspected Patients. Asian Journal of Pharmaceutical and Clinical Research 2016;(9)Issue 6, 1-5.
- 3) Vinodhini, R., Moorthy, K, Mohammed Saleh Al Aboody and **Suresh, M**, Prevalence and antifungal susceptibility pattern of *Candida dubliniensis* Isolated from urine samples. International Journal of Recent Scientific Research 2016;(7)Issue 9, 13474-13480.
- 4) Nachimuthu Ramesh, Manohar Prasanth, Subramani Ramkumar, **Maray Suresh**, Ashok J. Tamhankar, Gothandam K. M, Sivashanmugam Karthikeyan, Bulent Bozdogan. Colistin susceptibility of gram-negative clinical isolates from Tamil Nadu, India. Asian Biomedicine, Feb-2016; (10): 35-39
- 5) **Suresh Mickymaray**, Mohammad Saleh Al Aboody, Pradipta Kumar Rath , Panneerselvam Annamalai , Thajuddin Nooruddin. Screening and antibacterial efficacy of selected Indian medicinal plants. Elsevier, Asian Pac J Trop Biomed 2016;6 (3): 185–191
- 6) Ramesh Nachimuthu, Ramkumar Subramani, **Suresh Maray**, K. M. Gothandam, Karthikeyan Sivamangala, Prasanth Manohar, Bulent Bozdogan Characterization of carbapenem-resistant Gram-negative bacteria from Tamil Nadu. Journal of Chemotherapy 2015; July 22,:1973947815Y0000000056 (IF: 1.604)
- 7) Kannaiyan Moorthy, Thambidurai Punitha, Raja Vinodhini, **Suresh Mickymaray**, Abraham Shonga, Zewdneh Thomas, Nooruddin Thajuddin, Efficacy of Different Solvent extracts of *Aristolochia krisagathra* and *Thottea ponmudiana* for potential antimicrobial activity. Journal of Pharmacy Research 2015; 9(1), 35-40 (IF: 2.666)
- 8) Thenmozhi S, Moorthy K, Sureshkumar B. T, **Suresh M**, Antibiotic Resistance Mechanism of ESBL Producing Enterobacteriaceae in Clinical Field : A Review, *international journal of pure & applied bio science Int. J. Pure App. Biosci.* 2014; 2 (3): 207-226
- 9) Prabakar K, Sivalingam P, Mohamed. R, Muthuselvam. M, Devarajan.N, Arjunan.A, Karthick.R, **Suresh. M**, Wembonyama J.P. Evaluation of antibacterial efficacy of phyto fabricated silver nanoparticles using *Mukiascabrella*(Musumusukkai) against drug resistance nosocomial gram negative bacterial Pathogens. Elsevier, *Colloids and Surfaces B: Biointerfaces* 2013;104:282-8 (IF:3.554)
- 10) Moorthy K, Aparnaaravind, Punitha T, Vinodhini R, **Suresh M**, and Thajuddin. In vitro screening of antimicrobial activity of wrightiatintoria(roxb.) *Academic sciences - Asian Jrnl of pharmaceutical and clinical research*-Research article vol 5, issue 4, 2012; 54- 8. (IF: 0.32)

- 11) Moorthy K, Virgin Nisha M, Vinodhini R, Punitha T, **Suresh M** and Thajuddin N, Antimicrobial activity of the ethanolic and aqueous extracts of *Salaciachinensis* Linn. against human pathogens.. *Elsevier, Asian Pacific Journal of Tropical biomedicine* 2012;673-8 (IF:0.403)
- 12) Moorthy K, Punitha T, VinodhiniR, **Suresh M**, and Thajuddin N. In vitro screening of antimicrobial activity and phytochemical analysis of Punicagranatumlinn. (leaves). *International Journal of Interdisciplinary Research and Reviews*, 2012; 01: 6 – 13
- 13) Jeyaseelan S, Revathi P , Rath PK, **Suresh M**,. Vigeneshwari RS, Uma A, Subramanian PTK, Moorthy K and Thajuddin N. Antimicrobial Resistant Pattern of Gram Negative Bacteria to third generation Cephalosporin's in rural and urbancenters of Tamil Nadu, India. *Online:www.ijbtjournal.com/documents/ijbt150412111*.April 15, 2012; 3(1):1-7
- 14) **Suresh M**, Rath P.K, Panneerselvam A, Dhanasekaran D and Thajuddin N. Antifungal activity of selected Indian Medicinal Plant salts. *Journal of Global Pharma Technology* 2010; 2(4):71-4
- 15) **Suresh M**, Rath P.K, Panneerselvam A, Dhanasekaran D and Thajuddin N. Anti-Mycobacterial Effect of Leaf extract of *Centella asiatica*. *Research J. Pharm and Tech*. 3(3) July – Sept 2010; 872-6
- 16) Anchanadevi C, Dhanasekaran D, **Suresh M**, Rath PK and Thajuddin N Diagnostic Value of Real-Time PCR and associated bacterial and fungal infections in female genital tuberculosis *Biomedical and Pharmacology Journal*. 2010; 3 (1), 73-9

Participated Recent Medical Conferences and CME's

- Presented a poster in ISHAM 2015 International congress, held at Melbourne, Australia Topic entitled as “**Direct Microscopical Diagnostic Value of fungal rhinosinusitis in correlation with the invasive Mucormycosis**, during 3rd May, 2015 to 9th May 2015.
- Translating Antibigram in to physicians prescription” Lecture given by Dr. Balaji M.D., Ph.D., Head and Professor of Microbiology Christian Medical College –Vellore on 19th October 2013
- Participated in CME organised by Astra Zeneca at hotel Breeze Residency –Trichy, Topic entitled as “ Translating Antibigram in to physicians prescription” Lecture given by Dr. Balaji M.D., Ph.D., Head and Professor of Microbiology Christian Medical College –Vellore on 19th October 2013

- Participated as special guest lecturer and judge free paper and poster presentation in 22nd congress of biomedical laboratory sciences with the theme of “Patient safety, accreditation of quality assurance in laboratories” at Eknath auditorium, Vivekananda Kendra, kanyakumari district on 2nd and 3rd February 2013.
- Participated in Apollo hospitals 1st international forum on infection control on 5th and 6th January- 2013, at Chennai.
- Participated on Labex seminar conducted by 19th Annual National Conference of Association of Medical Biochemists of India, held at KAPV Government Medical College, Trichirappalli, Tamilnadu from 15-18th December 2011.
- Symposium on “Advanced Molecular Techniques and its Applications” Conducted by Cancer Institute (WIA) at Cancer Institute (Annex) auditorium Adayar Chennai on 7th August, 2011.
- CME on Ocular Microbiology 2011, Organised by Dept. of Microbiology Aravind Eye Hospital, Madurai and Institute of Microbiology, Madurai Medical College as part of IAMM T.N. and Pondicherry chapter meet on 23rd July, 2011.
- Participated at TACT- Academy for Clinical Training on 20th April 2011 at Hotel Sangam-Trichy.
- CME on “The Science of knowing shapes the art of living” An update on clinical chemistry” on 27th February 2011 at Hotel Grand Gardenia. Conducted by KMC Hospital, Trichy.
- Seminar on Molecular Diagnostics – on 7th, August-2010, Organised by Medexpert Business Consultants at Chennai Trade Centre – TN.
- Labcon -2009, National Conclave on Clinical laboratory Management and Post conference Workshop on NABL standards and their application on 14th and 15th February 2009 at Meenaksi Mission Hospital and Research Centre, Madurai.
- Scientific seminar on Medical lab technology. Theme: Medical laboratory Science in public health on 7th February 2009 at Kamaraj Kalvikoodam-Trichy.
- CME on Ocular Microbiology 2006, Organised by Dept. of Microbiology Aravind Eye Hospital, Madurai and Institute of Microbiology, Madurai Medical College as part of IAMM T.N. and Pondicherry chapter meet on 5th August, 2006.

GenBank Submissions

Sl no	GenBank Accession no.	Nucleotide	Source
1	GU391334	LTR, Partial sequence	HIV-1
2	GU391335	LTR, Partial sequence	HIV-1
3	GU391336	LTR, Partial sequence	HIV-1
4	GU391337	LTR, Partial sequence	HIV-1
5	GU391330	Polymerase like gene –Partial	Hepatitis B Virus
6	GU391331	Polymerase like gene –Partial sequence	Hepatitis B Virus
7	GU391332	Polymerase like gene –Partial	Hepatitis B Virus
8	GU391333	Polymerase like gene –Partial sequence	Hepatitis B Virus
9	GU391338	16SrRNA partial sequence	<i>Mycobacterium tuberculosis</i> –Complex
10	GU391339	16SrRNA partial sequence	<i>Mycobacterium tuberculosis</i> –Complex
11	GU391340	16SrRNA partial sequence	<i>Mycobacterium tuberculosis</i> –Complex
12	GU391342	Heat shock protein65 -Like gene	<i>Mycobacterium</i> sp (Atypical <i>Mycobacterium</i> sp)
13	GU391343	Heat shock protein 65-Like gene	<i>Mycobacterium</i> sp (Atypical <i>Mycobacterium</i> sp)
14	JX506732	PCM bla (NDM-1) 705 bp DDCMSPKR1	<i>Pseudomonas aeruginosa</i>
15	JX506733	PCM bla (NDM-1) 740bp, DDCMSPKR7	<i>Acinetobacter</i> sp
16	JX506734	PCM bla (NDM-1) 740bp, DDCMSPKR5	<i>Klebsiella pneumonia</i>

17	JX506735	PCM bla (NDM-1) 590bp, DDCMSPKR3	<i>Klebsiella pneumoniae</i>
18	KJ131191	NDM-1 gene 386 bp	<i>Escherichia coli</i>
19	KJ131192	Extended-Spectrum Beta-Lactamase (CTX-M-15) Gene 388 bp DNA	<i>Enterobacter</i> sp
20	KJ131193	Extended-Spectrum Beta-Lactamase (Ctx-M-15) Gene 388 bp DNA	<i>Enterobacter</i> sp
21	KJ131194	Extended-Spectrum Beta-Lactamase (Ctx-M-15) Gene 386 bp DNA	<i>Escherichia coli</i>
22	KJ131195	Extended-Spectrum Beta-Lactamase (Ctx-M-15) Gene 391 bp DNA	<i>Escherichia coli</i>
23	KJ131196	Extended-Spectrum Beta-Lactamase (Ctx-M-15) Gene 387 bp DNA	<i>Escherichia coli</i>
24	KP259600	Plasmid metallo Beta-lactamase (NDM-1) Gene 624bp DNA	<i>Escherichia coli</i>
25	KP259601	Plasmid metallo Beta-lactamase (NDM-1) Gene 614bp DNA	<i>Klebsiella pneumonia</i>
26	KP259602	Plasmid metallo Beta-lactamase (NDM-1) Gene 653bp DNA	<i>Acinetobacter baumannii</i>
27	KP259603	Plasmid metallo Beta-lactamase (NDM-1) Gene 660bp DNA	<i>Enterobacter cloacae</i>

Recent GenBank submissions

Name of the Gene	Year of Publication	Gene Accession number	Name of the Strains
28) ESBL- CTX-M gene	October, 2015	Y092.0KT	<i>Escherichia coli</i>
29) ESBL- CTX-M gene	October, 2015	Y092.2KT	<i>Klebsiella pneumonia</i>
30) ESBL-CTX-M gene	October, 2015	Y092.1KT	<i>Klebsiella pneumonia</i>
31) ESBL-CTX-M gene	October, 2015	Y092.3KT	<i>Proteus mirabilis</i>
32) NDM- gene	October, 2015	Y092.7KT	<i>Enterobacter cloacae</i>
33) NDM- gene	October, 2015	Y092.0KT	<i>Escherichia coli</i>
34) NDM- gene	October, 2015	Y092.0KT	<i>Escherichia coli</i>
35) NDM- gene	October, 2015	Y09213KT	<i>Klebsiella oxytoca</i>
36) NDM- gene	October, 2015	Y09214KT	<i>Klebsiella oxytoca</i>

37) NDM- gene	October, 2015	Y092.4KT	<i>Klebsiella pneumonia</i>
38) NDM- gene	October, 2015	Y092.9KT	<i>Klebsiella pneumonia</i>
39) NDM- gene	October, 2015	Y0921.0KT	<i>Pseudomonas aeruginosa</i>
40) NDM- gene	October, 2015	Y092.8KT	<i>Pseudomonas aeruginosa</i>
41) NDM- gene	October, 2015	Y09211KT	<i>Pseudomonas aeruginosa</i>
42) NDM- gene	October, 2015	Y09212KT	<i>Pseudomonas aeruginosa</i>
43) ESBL-CTX-M- gene	October, 2015	Y09218KT	<i>Escherichia coli</i>
44) ESBL-CTX-M- gene	October, 2015	Y09217KT	<i>Escherichia coli</i>
45) ESBL-CTX-M- gene	October, 2015	Y09219KT	<i>Escherichia coli</i>
46) ESBL-CTX-M- gene	October, 2015	Y09210KT	<i>Escherichia coli</i>
47) ESBL-CTX-M- gene	October, 2015	Y09216KT	<i>Klebsiella pneumonia</i>
48) ESBL-CTX-M- gene	October, 2015	Y09222KT	<i>Klebsiella pneumonia</i>
49) ESBL-CTX-M- gene	October, 2015	Y0922.0KT	<i>Klebsiella pneumonia</i>
50) ESBL-CTX-M- gene	October, 2015	Y09221KT	<i>Klebsiella pneumonia</i>
51) Ribosomal RNA gene	Sept,2016	KU366484	<i>Candida glabrata</i>
52) Ribosomal RNA gene	Sept,2016	KU366485	<i>Candida glabrata</i>
53) mcr-1 gene (Colistin Resistance)	FEB 2017	KY612336	<i>Acinetobacter baumannii</i> (56)
54) mcr-1 gene (Colistin Resistance)	FEB 2017	KY612337	<i>Acinetobacter baumannii</i> –C(59)
55) mcr-1 gene (Colistin Resistance)	FEB 2017	KY612338	<i>Klebsiella pneumoniae</i> (60)
56) mcr-1 gene (Colistin Resistance)	FEB 2017	KY612339	<i>Acinetobacter baumannii</i> (61)
57) mcr-1 gene (Colistin Resistance)	FEB 2017	KY612340	<i>Acinetobacter baumannii</i> (74)
58) mcr-1 gene (Colistin Resistance)	FEB 2017	KY612341	<i>Acinetobacter baumannii</i> (83)
59) ESBL gene	FEB 2017	KY612342	<i>Escherichia coli</i> (151)
60) ESBL gene	FEB 2017	KY612343	<i>Escherichia coli</i> (154)
61) ESBL gene	FEB 2017	KY612344	<i>Escherichia coli</i> (164)
62) ESBL CTX-M- gene	FEB 2017	KY612345	<i>Escherichia coli</i> (165)
63) ESBL gene	FEB 2017	KY612346	<i>Klebsiella pneumoniae</i> (167)
64) Genomic DNA	FEB 2017	KY612347	Marine soil <i>Bacillus subtilis</i>

Ph.D's under my Co guidance:

- Biodiversity and Characterization of Endophytic fungal secondary metabolites against Clinical Isolates of ESBL's/ MBL producing Gram Negative Bacteria. AVVM Sri Pushpam college-Poondi, Thanjavur District, Bharathidasan University. (Thesis submitted to Bharathidasan University-Trichy, India)
- Topic: Incidence of MBL pathogens in hospitalized cases and drug designing
Research- Dept of Microbiology Vivekanandha College of Arts and Science for Women–Salem
- Topic : Incidence of ESBL's in 3 different districts of Tamilnadu drug designing
Research- Dept of Microbiology Vivekanandha College of Arts and Science for Women–Salem
- Topic : Incidence of Candidial sepsis in critically ill patients and Drug designing
Research - Dept of Microbiology Vivekanandha College of Arts and Science for Women –Salem

M.Phil. thesis as co guide:

- Incidence of New Delhi Metallo Beta Lactamases (NDM-1) producing gram negative bacteria in hospitalized patients- An alarming threat. Dept of Microbiology Vivekanandha College of Arts and Science for Women- Tiruchengode, Periyar University, Salem.
- Extended – Spectrum Beta Lactamases (ESBL) mediated resistance to third generation Cephalosporins in gram negative bacteria isolated from hospitalized patients. Dept of Microbiology Vivekanandha College of Arts and Science for Women- Tiruchengode, Periyar University, Salem.

TRAINING:

- Participated in 1 day **Workshop: MALDI-TOF** Venue: *Royal Melbourne Institute of Technology (RMIT), City Campus, Swanston St. Melbourne – Australia*
- Participated in 1 day **Workshop: Workshop 4: Immunocompromised Host Workshop – Focus on the Host .** Venue: Royal Melbourne Hospital, Room 1, Ground floor
- Participated in 2 days (November 11,12, 2011) training and certificate course on “Training on HIV Counseling & Testing (HTC) For Healthcare Professionals” venue at VHS YRG CARE Medical Centre, VHS Campus, Taramani, and Chennai
- Training certificate: Participated in the operator training for Rotor Gene -3000 Real-Time PCR machine. Certified by National Distributors for Corbett Research Australia- Professional Biotech Pvt.Ltd., New Delhi. (24th - 28th April 2004)
- Successfully completed and passed a course on Internal auditing of quality management systems. Course no: R 128 certificated by IRCA. Dated 7TH May 1999.
- Hands on training “Clinical laboratory techniques” from Bharath Heavy Electricals Ltd- Hospital(BHEL) Trichy-14, from 1st August – 30th September 1999 (2 months)

PERSONAL PROFILE:

Father’s Name : M. Mickymaray
Mother’s Name : M. Indirani
Wife’s Name : S. Chitra Banu
Daughter’s Name : S. Kaviya
Date of Birth : 3rd April, 1971
Sex : Male
Linguistic abilities : Tamil, English

Place: Al Zulfi
Date: 06.11.2016

Dr. M. Suresh Ph.D.,