




## DEPARTMENT OF ORAL PATHOLOGY

Name	<b>Dr. V. Makesh Kumar</b>	
Designation	Research Assistant (RA)	
Date of Birth	09-05-1985	
DCI registration number	-	
Address	22, Kannagi Street, Opp. Govt. Girls. Hr.Sec.School, New Dharapuram Road, Palani – 624601, Dindugal District, Tamilnadu.	
PhD (Medical Microbiology)	College	Faculty of Medicine & Health Sciences, Department of Medical Microbiology, SRM Medical College Hospital & Research Centre, SRM University, Kattankulathur – 603 203, Kanchipuram District, Tamilnadu.
	University	SRM university (Deemed University),, Kattankulathur – 603 203, Kanchipuram District, Tamilnadu.
	Year of passing	April 2015

M.Sc (Microbiology)	College	Faculty of Rural Oriented Sciences, Department of Biology, Gandhigram Rural University (Fully Funded by Ministry of Human Resource and Development [MHRD], Government of India), Deemed University, Gandhigram – 624 302, Dindugal District, Tamilnadu.
	University	Gandhigram Rural University (Fully Funded by Ministry of Human Resource and Development [MHRD], Government of India), Deemed University, Gandhigram – 624 302, Dindugal District, Tamilnadu
	Year of Passing	April 2007
B.Sc (Microbiology)	College	Department of Microbiology, Kongu College of Arts and Science, Karur – 639 006, Tamilnadu
	University	Bharathidasan University, Palkalaiperur – 620 024, Tiruchirappalli, Tamilnadu.
<b>Member Ship:</b>	<p>1. Membership Committee Member in Indian Nano-Biologist Association (INBA), Corporate office : 391, Dhanalakshmi Complex, Anna Nagar, Madurai, 625 020, Tamilnadu.</p> <p>2. The Indian Science Congress Association (ISCA No: A5790), 14, Dr.Bresh Guha Street, Kolkata – 700017.</p>	
<p><b>Publications</b></p> <p><b>V.Makeshkumar</b>, Radha Madhavan, Sujatha Narayanan. Polymerase Chain Reaction targeting insertion sequence for the diagnosis of extra pulmonary tuberculosis. <i>Ind J Medical Research (IJMR)</i>, 139, January 2014, pp 161-166.</p> <p><b>2. V. Makeshkumar</b>, Radha Madhavan, Sujatha Narayanan. Prevalence of Drug Resistance in <i>Mycobacterium tuberculosis</i> in a Teaching Hospital of Kanchipuram District, Tamilnadu, South India. <i>American Journal of Microbiological Research</i>, vol. 2, no. 1 (2014): 35-40. doi: 10.12691/ajmr-2-1-5.</p>		

**3. V.Makeshkumar**, Radhamadhavan, Sujathanarayanan, Lakshmi Rajesh. katG gene as a surrogate molecular marker leading to cause drug resistance in *Mycobacterium tuberculosis* isolates. *American Journal of Infectious Diseases and Microbiology (AJIDM)*, 1, no.5 (2013): 86-91: doi: 10-12691/ajidm-1-5-2.

**4.V.Makeshkumar**, P.U. Mahalingam. Isolation and characterization of rapid cellulose degrading fungal pathogens from compost of agro waste. *International Journal of Pharmaceutical & Biological Archives (IJPBA)* 2011; 2(6):1695-1698.

**Training Attended :**

- Culture, Biochemical and Drug sensitivity for *Mycobacterium tuberculosis* training conducted by Revised National Tuberculosis Control Programme (RNTCP) in the Department of Bacteriology, National Institute for Research in Tuberculosis (NIRT) [Formerly Tuberculosis Research Centre (TRC)], ICMR Institute, Chetpat, Chennai.
- DNA Extraction (from clinical specimens and *M.tb* Isolates), PCR Amplification, Detection of PCR products by Gel electrophoresis trained in the Department of Immunology (Molecular Division), National Institute for Research in Tuberculosis (NIRT) [Formerly Tuberculosis Research Centre (TRC)],ICMR Institute, Chet pat, Chennai.
- Rapid TB culture of BacT/Alert3D, Matrix assisted laser desorption and ionization time of flight Mass spectrophotometry (MALDI-TOF MS) and PCR based Line Probe Assay trained in the Department of Microbiology, Microbiological Laboratory (NABL Accredited), Coimbatore, Tamilnadu, India.
- SPSS statistical online training demo programme attended on 16.10.2015 at Experimental Pharmacology Laboratory, 3<sup>rd</sup> Floor, Karpagam Medical College, Coimbatore – 641 032.
- Hands-on training entitled “ Service and Maintenance of Microscope” held on 07.04.2014,conducted by Department of Anatomy, SRM Dental College and Hospital (SRMDCH), SRM University, Ramapuram Campus, Chennai-600 089
- Continuing Dental Education (CDE) programme on “Medical Emergencies in Dental Office and successfully completed hands-on training in Basic Life Support (BLS)” held on 25<sup>th</sup> April 2016 organized by Department of Oral Medicine & Radiology, SRM Dental College and Hospital, SRM University, Ramapuram Campus, Chennai – 600 089, endorsed by SEMI (Society for Emergency Medicine India), TNDC credit points (5.0).

## **Funded Project Details :**

### ***1. Pilot project (Principal Investigator):***

Karpagam Faculty of Medical Sciences & Research (KFMS & R) **funded Project** entitled on “A Study on Nasal and Throat Carriage of *Staphylococcus aureus* among Health Care Workers (HCWs) in a tertiary care hospital, Coimbatore (Rs. 25,000/-).

2. **ICMR Short term project** (Ref ID no: 2015 -05314, Student name: Ms. Priya Ranjani V (II MBBS (Batch-B). **Project entitled on “A Study on Nasal Carriage of Staphylococcus species among Medical and Paramedical students in a tertiary care hospital, Coimbatore)** was selected for Student Ship (STS) fund by Indian Council of Medical Research (ICMR), New Delhi (Rs.10,000/-)

3. **PhD Project: “Resistant pattern of pulmonary and extra pulmonary tuberculosis isolates”**. (University Research Fellow (URF) ship (Rs.10,000/ per month) sanctioned from May 2008 to January 2013. Part of Research work was doing WHO supranational laboratory (Bacteriology and Immunology) of ICMR Institute, National Institute for Research in Tuberculosis (NIRT) [Formerly Tuberculosis Research Centre (TRC)], Chetpat, Chennai.

4. **Short term funded Project (Organization L-RAMP):** Centre for rural innovation consultancy and action research approved students projects support scheme on “**A study on the preparation of an effective microbial consortium for rapid composting process**” (Rs.10,000/-).

## **Other Project details**

1. **Master Degree(M.Sc) Project:** A study on Isolation and improvement of cellulolytic Fungi from compost of agro wastes.

2. **Students Internship Project** (During M.Sc 2006 December) – Hands on training and internship project from the clinical laboratory in Government General Hospital (including RNTCP for TB and Integrated Counseling of Testing Centre (ICTC) for HIV), Palani-624601, Dindugal district, Tamilnadu.

### Paper Presentation :

- ❖ Poster presentation, (part of my PhD work) entitled on “ **Value of polymerase chain reaction in the diagnosis of extra-pulmonary tuberculosis**” in the section of medical sciences including physiology in the 98<sup>th</sup> Indian science congress (ISC) held at SRM University, Chennai from Jan 3 to 7 , 2010.
- ❖ Paper entitled on “**Detection of drug resistant gene from multidrug resistant isolates of *Mycobacterium tuberculosis* by molecular method**”. Post paper presented (Part of My PhD work) in 10<sup>th</sup> Indian Association of Applied Microbiology (IAAM) national conference on exploring the potentials of microbes for bioscience, biotechnology & medicine on 17<sup>th</sup>& 18<sup>th</sup> December 2012 organized by Directorate of Research, SRM University, Chennai.

### Abstract Papers

1. Abstract of this work on “**Detection of drug resistant gene from multidrug resistant isolates of *Mycobacterium tuberculosis* by molecular method**” published in 10<sup>th</sup> IAAM national conference on exploring the potentials of microbes for bioscience, biotechnology & medicine on 17<sup>th</sup>& 18<sup>th</sup> December 2012 organized by Directorate of Research, SRM University, Chennai.
2. “**Clinical significance of isolation of tuberculous and non-tuberculous mycobacteria in sputum acid fast bacilli positive pulmonary tuberculosis patients- A preliminary report in tertiary care hospital, Kattankulathur**”. Abstract paper published in one day national level conference entitled on “ Harnessing the power of microbes for better food, agro-industry, health and environment” conducted by Department of Microbiology, Karpagam University, Coimbatore on September 19<sup>th</sup>& 20<sup>th</sup> 2011.
3. Abstract of this work “**Value of polymerase chain reaction in the diagnosis of extra-pulmonary tuberculosis**” published in the 98<sup>th</sup> Indian science congress proceeding book in the Section of medical sciences including physiology held at SRM University, Chennai from Jan 3 to 7, 2010.
4. Proceeding of the fourth triennial conference of the academy of clinical microbiologist and pre conference seminar on “Changing trends in Hospital infection” August 22 and 23<sup>rd</sup> 2008, Medical College, Thiruvananthapuram-695011, Kerala, Tamilnadu, India. “**Multidrug resistant *Pseudomonas Aeurogenosa*: A case of post operative osteomyelitis**”.

**Conferences/seminars/ CMEs/workshops attended:**

Regional Seminar on “Pandemic Diseases and management “held at Gandhi gram rural University, Gandhi gram, and Dindugal-624302 on 14<sup>th</sup> and 15<sup>th</sup> February 2006.

2. National Conference on Environment pollution Management and sustainable development held at Gandhigram Rural University, Gandhi gram, and Dindugal-624302 on 14<sup>th</sup> and 15<sup>th</sup> December 2006

3. National workshop on *environmental sustainability* (NWES 2008) on June 5, 2008 organized by SRM University, Kattankulathur, kanchipuram D.t in association with Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakam.

4. Workshop on *research methodology* held at SRM medical college hospital and research center SRM university on the 5<sup>th</sup> and 6<sup>th</sup> of September 2008.

5. Symposium on “*antibacterial susceptibility testing*” held on 27<sup>th</sup> September 2008 held at SRM Medical College Hospital and Research Center, SRM University, Kattankulathur, Kanchipuram D.t.

6. International seminar on “*New insights in the management of antibiotic resistance* on 26<sup>th</sup> October 2009, held at Institute of Basic Medical Sciences (IBMS), Taramani, Chennai

7. Continuing medical education and *inauguration of Indian academy of tropical parasitology tamilnadu chapter* on 29<sup>th</sup> October 2009 held at Institute of Microbiology, Madras Medical College (MMC), Chennai.

8. Work shop on Medical Education Technology (teaching/learning/evaluation) organized by Medical Education Unit of SRM Medical College Hospital and Research Center on 4<sup>th</sup> & 5<sup>th</sup> December 2009.

9. RNTCP (Revised National Tuberculosis Control Programme) Zonal task force (ZTF), Workshop south zone 2010 held on 2<sup>nd</sup> & 3<sup>rd</sup> September 2010 at the mini auditorium in SRM University.

10. Workshop on Microbiological Quality and Safety of Food conducted by the King Institute of Preventive Medicine and Research in association with SRM Medical College Hospital & Research Centre (SRM MCH & RC), SRM University on 21<sup>st</sup> & 22<sup>nd</sup> October 2010.

11. National Symposium on anti tuberculosis drug discovery: Current Status & future prospects (NSADD-2010) Organized by Department of Bacteriology, Tuberculosis Research Centre (ICMR Institute), Chennai-600031, held on 30 October 2010.

12. 98<sup>th</sup> Indian Science Congress held at SRM University, Chennai from Jan 3 to 7, 2011

13. CME entitled on Chronic Obstructive Pulmonary Disease (COPD) update conducted by Department of pulmonary medicine, SRM Medical College Hospital & Research Centre, SRM University on April 4<sup>th</sup> 2012.

14. Workshop on Pampers Baby Care Expert workshop Organized by Department of pediatrics collaborated with Indian Academy of Pediatrics, held by SRM Medical College Hospital and Research Centre on 14<sup>th</sup> Feb 2013.

15. CME on “Tuberculosis” conducted by Department of Medicine, Karpagam Faculty of Medical Sciences and Research (KFMS & R), Coimbatore on 24<sup>th</sup> March 2015.

16. National Level Conference on “ Current Trends in Drug Discovery and Development ” organized by Karpagam College of Pharmacy, Coimbatore co-sponsored by The Tamilnadu Dr. MGR Medical University, Chennai, held by Karpagam Faculty of Medical Sciences and Research (KFMS & R), Coimbatore on 12<sup>th</sup> June, 2015.

17. CME on “Diabetic Mellitus” conducted by Department of Medicine, Karpagam Faculty of Medical Sciences and Research (KFMS & R), Coimbatore on 18<sup>th</sup> November, 2015.

18. Scientific talk “Research Funding Opportunities” by Dr. Brakaspathy, Secretary, Science and Engineering Research Board (SERB) / Department of Science and Technology (DST) held on 07<sup>th</sup> May 2016 organized by SRM University, Ramapuram Campus, Chennai-60089.