

Dr Nachammai SM, Department of Microbiology

GRADUATION

- **Ph.d**, Medical Microbiology from SBV University, Pondicherry 2020
- **M.Sc, Medical Microbiology** from SRM University, Chennai in 2010
- **BEd.**, from Chandra Chellappan College of Education, Namakkal, Tamil Nadu Teachers Association Board, Chennai, 2024.
- **PGD in Microbial Bitotechnology** from Bharathiyar University, Coimbatore in 2009
- **B.Sc, Microbiology** from Bharathiyar University, Coimbatore in 2007

POSITION HELD

- **Tutor** in Karpagam Faculty of Medical Sciences Research, Coimbatore from 01.12.2012 to 31.07.2016
- **Tutor** in Shri Sathya Sai Medical College and Research Institute, Chennai from 13.09.2016 to 21.01.2021
- **Reader & Head** in Sri Ramakrishna Dental college and hospital from 22.02.2021 till date

RESOURCE PERSON- INSPECTION/EXAMINER/ PANELLIST /INVITED SPEAKER/ PAPER SETTING

- **External Examiner** – , MLT (SRM University) on 21.08.2018

SEMINARS /CONFERENCES PRESENTED

- Poster presentation on “Molecular characterization of surface adhesins of Uropathogenic *Escherichia coli*”, in SRM Dental College and Hospital, Chennai in 2017.
- Poster presentation on “Genotypic characterization of toxins and iron acquisition agent as a virulence factor of Uropathogenic *Escherichia coli*” in CIDSCON 2018 Conference, CMC Vellore in 2018.
- Paper presentation on “Genotypic and phenotypic expression of ESBL genes in Uropathogenic *Escherichia coli*” in International Microbiology Conference, Srilanka in 2018.

SKILL ENHANCEMENT PROGRAM

- NPTEL – Ethics Review of Health Research, 2024
- NPTEL – Research and Publication Ethics, 2023
- NPTEL – ICT in Teaching and Learning Methodology, 2022

- Critical appraisal of Scientific Research in 2018
- CBCS – Choice Based Credit System programme in 2019
- IPR Copyright workshop in 2019
- Medical Laboratory – IA & QMS as per ISO15189 in 2020

PUBLICATIONS

- Diagnosis of Pulmonary Tuberculosis using conventional smear microscopy and culture methods in a tertiary care hospital. *Int. J. Life Sci. Res.* 2014; 3(1): 67-72.
- A Laboratory follow up study of Pulmonary Tuberculosis patients under DOTs programme in a tertiary care hospital. *J. Biological Sci.* 2014.
- Hyper Eosinophilic IgE syndrome – a rare case report, *J. Cur. Res.* 2015; 7(8): 19562-3.
- Spectrum of Microbial keratitis in a tertiary care hospital, *Int. J. Health Sci. Res.* 2015; 5(6): 573-6.
- Prevalence of multi-drug resistant *Proteus* species from isolates of urine and pus with their antibiogram, *International journal of Scientific research*, 2015;4(8) 223 – 5.
- A rare case report of Intestinal Hymenolepiasis and Ascariasis double infection in a symptomatic immuno-competent host from South India, *Int. J. Med. Sci. Clin. Inv.*, 2015;2(11).
- The effectiveness of antibiotics against a major uropathogen *Escherichia coli* and its biofilm assay by phenotypic methods. *Int J Res Med Sci.* 2016; 4(11): 4820-8.
- Haemagglutination and Resistance to the Bactericidal Activity of Serum as the Urovirulence Markers of Uropathogenic *Escherichia coli*. *Int.J.Curr.Microbiol.App.Sci.* 2016; 5(9): 514-23.
- A study of extended spectrum β -lactamase (ESBL) producing *Klebsiella* from pus & urine samples from a tertiary care medical college hospital in Coimbatore. *Int. J. Mult. Dis. Res.* 2016;3(6):262-6
- Molecular characterization of surface adhesins of Uropathogenic *Escherichia coli* from patients in a tertiary care hospital. *Int. J. Adv. Res.* 2018;5(11): 818-23
- Bacteria or Caketeria ????. *Int. J. new technol. Res.* 2018;4(1): 42- 4
- Fungal Sinusitis – A clinical approach. *Int.J.of App.Res.* 2018;8(3): 52-3
- Vinegar – as an antibiofilm agent against the biofilm of UPEC. *Int.J.Adv.Inn.Res.* 2018;7(9): 1-5
- Genotypic characterization of toxins and iron acquisition agent as virulence factor of uropathogenic *Escherichia coli*. *Int. J. Adv. Res.* 6(11), 827-30.
- Comparison of Genotypic and Phenotypic expression of Adhesins – P fimbriae and Type 1 fimbriae in Uropathogenic *Escherichia coli*, *Int.J. Rec. Sci. Res.* 2018; 9(12): 30140- 5
- Phenotypic Screening and Genotypic characterization of Extended Spectrum Beta Lactamase producing genes blaTEM, blaSHV, blaCTX-M among Uropathogenic *Escherichia coli*, *Int.J.of Cur. Res.* 2018; 10(12): 76643-7
- The Dr Family adhesins – afimbrial adhesin gene in Uropathogenic *Escherichia coli* from patients suspected with urinary tract infection, *Int.J.Adv.Res.*2019; 7(3): 202-5.
- The activity of table vinegar against the biofilm producing by *Escherichia coli*. *J.of Med.Sci.and Adv.Cli.Res.*2019;2(2):64-8.
- Prevalence of Uropathogenic Specific Protein and Beta Glucuronidase of UPEC in relation to Symptomatic UTI And Asymptomatic Bacteriuria. *RJPBCS*, 2019; 10(5): 190-4.

- Standing together by not standing together – COVID awareness. Int.J.Med. Sci.Adv.Cli.Res. 4(2), 2021.
- Awareness of Rheumatoid arthritis – Disability only you can feel. Int. J. of Mult, Dis. Res. 10:7(2), 2021.
- Phylogenetic analysis of *E.coli* isolates from symptomatic UTI and asymptomatic bacteriuria. Int.Sci,Res.2-21;10(12);1-3.
- Phenotypic virulence characterization of UPEC among symptomatic UTI and asymptomatic bacteriuria Int.Mult.Disc.Edu.Res.2022;11(4):78-83.
- Screening of Acute Phase reactants CRP and RF in patients attending tertiary care hospital. RJPBCS 13:(2)48,2022.
- KpSMII and traT as a survival fitness factor of *E.coli* among symptomatic UTI and asymptomatic bacteriuria. Int.Mult.Disc.Edu.Res. 2023.
- Diagnostic value of Rheumatoid Factor and Anti-CCP in Seropositive and Seronegative Rheumatoid arthritis patients at a tertiary hospital in Tamil Nadu. Journal of Neonatal Surgery, 14: (26), 2025.