

Dr.Savitha Nagaraj

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Medical Consultant in Microbiology, and Medical Council of India (MCI) recognised Undergraduate and Post graduate teacher .Currently working as Professor and Head in the Department of Microbiology at St.Johns Medical College, Sarjapur Road, Bangalore, India. Passionate about teaching, interacting with young minds and quality improvement in medical teaching.

Joined the Institution in 2000 and as established herself as a highly efficient undergraduate and Post graduate teacher and Mentor for Medical Students (MBBS, MD, Nursing, and Laboratory technology) with 18 years of experience at a premier medical teaching hospital and research institute in India.

**Awarded the prestigious ‘International Ambassador Program’ award from Society of Hospital Epidemiology of America during April 1-6<sup>th</sup> 2014 at Denver Colorado USA.**

Published and presented numerous papers in national and international journals and conferences.

Experienced assessor for having participated in the assessment of laboratories and Hospitals towards accreditation certification.

**Teaching Experience for past 18 years at St. Johns Medical College and Hospital (from 2000 till date)**

- Recognised University Post graduate guide for MD Microbiology students (since 2011)
- Co-guide for Ph.D. student in Microbiology
- Mentored International Students from Sweden and France in Laboratory diagnosis of Infectious diseases

**Student Mentor**

- Mentored assigned students as part of the Mentorship program of the institution
- Taken part in the Research mentorship program for undergraduate students(6 consecutive years)
- Helped publish a paper on the research work done by a 1st year MBBS student under the Research Mentorship Program (\*refer publication list)

**Examiner/Evaluator at St. Johns Medical College and Other Universities in India**

Experienced examiner for both theory paper setting, practical and vivavoce evaluation. (Undergraduate and Post graduate) at St. Johns and other Medical universities in India

**Educational Qualifications**

- MBBS from Kempegowda Institute of Medical Sciences, Bangalore University, 1992
- MD Microbiology from Bangalore Medical College, Rajiv Gandhi University of Medical Sciences, 2000
- DNB from National Diplomate Board of Examinations Delhi 2006

**Licensures**

MBBS, MD and DNB Microbiology Registered under the Karnataka Medical Council

## Area of interest :

**Hospital infection prevention and control and Antimicrobial resistance monitoring.**

## Current projects

**1.Inspire: Indian network for Streptococcus pneumonia and PCV impact research (John Hopkins and INCLEN India)**

**2.Bioinnovations project: Evaluation of a novel technology in reduction of air and surface pathogenic microbe contamination and to study its effect on infection prevention in an intensive care unit from a tertiary care centre(Small business innovation Research initiative , BIRAC, DBT with Biomeneta)**

**3. Estimating the inpatient burden and antibiotic resistance pattern of enteric fever in a tertiary care hospital in South India (Oxford UK:Dept of Paediatrics)**

**4. National Surveillance system for enteric fever in India(CMC Vellore)**

**5.Discovery of new antibiotics to treat Gram negative infections; particularly Pseudomonas aeruginosa, Acinetobacter baumannii, Klebsiella pneumoniae, Escherichia coli, Staphylococcus aureus and Enterococcus spp(with BUGWORKS)**

## Special Achievements

- Certification course in Infection control at Tata Memorial Hospital Mumbai from SNDT university Maharashtra(2006)
- Qualified NABH Assessor for Accreditation of Hospitals(2008),Principal assessor from May 2017
- Qualified NABL Assessor for Accreditation of Laboratories(2010) Lead assessor from May 2017

## **As Guide for the thesis of Post graduate MD, DM students in SJMCH**

i) *Streptococcus pneumoniae*: identification, antibiogram and serotypes from clinical isolates-a hospital based descriptive study. **Completed**

ii) Identification of genes coding for carbapenemases among clinical isolates of Carbapenem resistant Klebsiella species from a tertiary care hospital. Ongoing 2014

iii) Surgical Site Infections: Incidence and Risk Factors among Patients undergoing Elective Surgery in General Surgery Department of a Tertiary Care Teaching Hospital a prospective study: Ongoing

Iv Haemophilus influenzae: antibiogram and serotypes: 2015

v) Prevalence of High risk genotypes of HPV among patients diagnosed with cervical cancer. 2016

vi. Streptococcus pneumoniae nasal carriage among paediatrics under 5 years: Coguide for Paediatrics MD post graduate.

vii. Evaluation of Hand Hygiene practices in the ICU: DM candidate in Critical Care :Co guide 2016

viii)Prevalence of Nontyphoidal Salmonellae among clinical isolates from Patients Samples received in Microbiology Laboratory: PG thesis Guide:2017

viii. Colistin and Fosfomycin susceptibility among carbapenem resistant Enterobacteriaceae isolated from Urine samples PG Thesis guide 2018

### **Co guide for PhD student in Microbiology**

Study of the clonal distribution and spread of drug resistant Escherichia coli, using molecular typing methods in two geographical areas, Ujjain and Bangalore.

**Presented original research papers at National and International conferences on Antimicrobial resistance.**

### **Publications in National and International Journals**

#### **a) Acknowledgement:**

Ararakere G, Nadig S, Swedberg Gote, Macaden Ragini, Amarnath K.S, Raghunath Dasarathy Genotyping of Methicillin Resistant Staphylococcus aureus strains from two hospitals in Bangalore. South India. J. Clin. Microbiol 43:7.3198-3202

#### **b). Letters**

i. Gupta S, Chowdappa A, **Nagaraj S**, Dias Mary, Sethumadavan M. In vitro activity of tigecycline against multidrug resistant Gram Negative blood culture isolates from critically ill patients.

J. Antimicro Chemother 2012 doi.10.1093/jac/dkr593

ii. Chandran SP, **Nagaraj S**, Kalal BS, Muralidharan S, Macaden R In vitro susceptibility to Colistin and tigecycline in New Delhi Metallobetalactamase -1 producing Enterobacteriaceae. Indian J Med Microbiol 2013 vol 31(4) 419-420.

iii. Lokkur P, **Nagaraj S**. The prevalence of bacterial contamination of stethoscope diaphragms: A cross sectional study, among health care workers of a tertiary care hospital” 2014 Indian

J. Med Microbiol 32(2): 201-202

#### **c) Brief Communication**

i. **Nagaraj S**, Raghavan R, Macaden R, Kurpad A. Intestinal parasitic infection and total serum IgE in asymptomatic chronically undernourished adult males in an urban slum and efficacy of antiparasitic therapy. 2004 Indian J. Med Microbiol. 22(1)

ii. **Nagaraj S**, Dias M, Sethumadavan M. Prevalence of Serologically determined typhus fevers from a tertiary care centre. A persistent pattern. J. of the academy of Clinical Microbiologists 2009 Vol 11 (2) 90-94

iii. **Nagaraj S**. Haris Macaden R. Changing Pattern in the Aetiology and Antibiogram of Enteric Fever Group of Salmonellae in Bangalore. 2009. J. of the academy of Clinical Microbiologists 2009

iv. **Nagaraj S**, Chandran SP, Shamanna P, Macaden R. Carbapenem resistance among Escherichia coli and Klebsiella pneumonia in a tertiary care hospital in South India. Indian J. Med Microbiol 2012: 30(1) 93-95

#### **d). Original Articles Published**

##### **A. International Journals**

i. Kurpad A, Regan M, Nazareth D, **Nagaraj S**, Gnanou J, Young R V. Intestinal Parasites increase the dietary lysine requirements in chronically undernourished Indian Males Am. J. of Nutrition 2003.

ii. Pasricha RS, Black J, Muthayya S, Shet A, Bhat V, **Nagaraj S**, Prasanth NS, Sudarsha H, Biggs BA, Shet A. Determinants of Anaemia among Young children in Rural India .Pediatrics 2010 :126: e140-e149

iii Chakrakodi B, Prabhakara S, Nagaraj S, Etienne J, Arakaere G, High Prevalence of Ciprofloxacin resistance in Community acquired Staphylococcus aureus in at tertiary care Indian Hospital Advances in Microbiology(AiM) 2014 vol 4(2) Jan 14: 133-141

iv. Manoharan A, Manchanda V, Balasubramanian S, Lalwani S, Modak M, Bai S, Vijayan A, Shet A, Nagaraj S, Karande S, Nataraj G, Yewale N.V, Joshi SA, Iyer N.R, Santhosham M, Kahn DG, Knoll DM. for the Alliance for Surveillance of Invasive Pneumococci (ASIP) Study Group\*

Invasive pneumococcal disease in children aged younger than 5 years in India: a surveillance study . The Lancet Infectious Diseases Published online December 9, 2016 [http://dx.doi.org/10.1016/S1473-3099\(16\)30466-2](http://dx.doi.org/10.1016/S1473-3099(16)30466-2)

v. S.B. Kalal, **Nagaraj S**. Urinary tract infections: a retrospective, descriptive study of causative organisms and antimicrobial pattern of samples received for culture, from a tertiary care setting: GERMS 2016 Vol 6 Issue 4 132-137

vi. Nagaraj S, BS Kalal Manoharan A, and Shet A Streptococcus pneumoniae serotypes among young children with invasive pneumococcal disease: experience from a tertiary care centre in South India. Germs :2017 7(2) :78-85

## **B. National Journals**

i. Sudarshan M.K. **Nagaraj S**, Savitha B, SG Veena An Epidemiological study of Rabies in Bangalore city Journal of the Indian Medical Association 1995 Vol 93 14-16

ii) Yoganand R, **Nagaraj S**, Hiresave S, Devarbhavi H: The presence of Clostridium difficile and its toxin in Antibiotic induced diarrhoea cases .J.of Academy of Clin Microbiologists 2008: 10(2) 83-87

iii.) **Nagaraj S**, Kalal S.B, Kamath N, Sethumadhavan M. Microbiological and Antimicrobial profile of pathogens associated with Paediatric Urinary tract Infection; A one year Retrospective study from a tertiary care teaching hospital. National journal of Laboratory Medicine: 2014: 3:4-7

iv) **Nagaraj S**, Mamatha V, Dias M, Thomas S: Poly-microbial aerobic growth in single cultures: clinical and microbiological profile of a cohort of hospitalized patients – a pilot study. International journal of Recent scientific research. 2014:5: 11:2048-2052

vi : BS Kalal, P Puranik, S Nagaraj, S Rego, A Shet Scrub typhus and spotted fever among hospitalised children in South India: Clinical profile and serological epidemiology Indian Journal of Med Microbiol 2016 **Volume : 34 Issue : 3 Page : 293-298**

vii Vijay C, Kiran R P, **Nagaraj S**, Nadig NS, Rajitha K. Are Medical Students and Interns at risk of acquiring Methicillin Resistant Staphylococcus Aureus (MRSA)?, National Journal of Community Medicine, 2016;7(7):573-576

viii. Sathiss R, Nagaraj S, Blood culture isolates antibiogram from a tertiary care centre. International Journal of current research 2016

