

Dr.N.Anbumani

Degree : MBBS, MD, PhD

Designation : Professor

Area of research expertise with projects conducted :Bacteriology

1. Screening of family *Enterobacteriaceae* for carbapenamase production.
2. Detection of resistance pattern of *Staphylococcus aureus* in wound infections.
3. In-vitro susceptibility to colistin and tigecycline in carbapenamase producing *Enterobacteriaceae*
4. Characterisation of nitrofurantoin resistance among uropathogens.
5. Characterisation of anti -nuclear autoantibodies and their clinical co-relation.
6. Characterization of linezolid resistance in gram positive organisms.
7. Characterization of the gut microbiome in traumatic brain injury patients admitted to a tertiary care hospital in Chennai, India. (2019 to 2024) – ICMR funded project.

Workshops/ Training undergone by faculty :

Immunofluorescence training at Sachika Institute on March 13 & 14 /2014

Membership in committee :

Member in Institutional Ethics Committee for Postgraduate medical studies

List of publications

- Phenotypic detection methods of carbapenamase production in Enterobacteriaceae
Pandurangan Sathya, Shamsadh Begum Esak, and Anbumani Narayanaswamy. Int. J. Curr. Microbiol. App. Sci 4.6 (2015): 547-552.
- Molecular characterisation of nitrofurantoin uropathogenic strains Divyalakshmi.S, Shamsadh Begum .E, Anbumani.N Journal of clinical diagnostic and research, June 2016; vol 10 (6);O5-09
- **Ghanta M, Panchanathan E, Lakkakula BV, Narayanaswamy A, Murkunde Y, Tamrakar S.** 1H-[1, 2, 4] oxadiazolo [4, 3-a] quinoxalin-1-one Attenuates Oxidative Trauma and Recuperate Beam Walk and Adhesive Removal Behavior in MPTP Parkinsonian Mice Model. Biomedical and Pharmacology Journal. 2018 Dec 25;11(4):2011-7.
- **Ghanta M, Panchanathan E, Lakkakula BV, Narayanaswamy A, Abhinand PA, Antony S.** Molecular docking analysis of phytoconstituent from Momordica charantia with Guanylate Cyclase catalytic domain. Bioinformation. 2018;14(7):378.