

Research Collaborations:

- National surveillance for diarrhoeal diseases and antibiotic susceptibility testing Network by Okayama university, Japan & NICED(ICMR), Kolkata.
- External quality assurance program on Enteric food borne pathogens by Denmark technical University, Denmark.
- Multilocus sequence typing, strain diversity and Phylogeny of *Helicobacter pylori* with The University of Western Australia, Barry Marshal Lab
- *Helicobacter pylori* Genomic project with National Cancer center, NIH, USA
- Global surveillance of infectious diseases and antimicrobial resistance from Sewage, Denmark - Global sewage project.
- DAAD rise worldwide student exchange program, Germany .
- Research grp for genomic epidemiology, National food institute, Technical University, Denmark- Non typhoidal Salmonelle in humans and animals–genomic relatedness by whole genome sequencing.
- Characterization of gut microbiome composition and function between cohorts of South East Asians, immigrants and first-generation Indo-Canadians, The University of British Columbia.
- Identifying the EPEC isolated from adults and children's suffering from acute gastroenteritis in Sothern India, The University of Hong Kong.
- Process optimization of Molecular oligochromatography, Cambridge University, UK.