

RESUME

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Educational Qualification: MSc, PhD, FABMS

PhD, Microbiology: 2006, Thesis: Molecular Characterisation of Pathogenic *E. coli* in Clinical Samples Using Molecular Techniques; Manipal Academy of Higher Education (MAHE), Karnataka, India.

Description of work:

Teaching:

I have been teaching Microbiology for undergraduates in Medical, Dental, Nursing, MLT and other disciplines. I have also been handling postgraduate (PG) courses in Dental and Allied Health Sciences. In addition, I have been supervising the dissertations of PGs and PhD students as a recognized guide in the Nitte (Deemed to be University). Further, I am also involved in the evaluation of various examinations for UG, PG and PhD students of Nitte (DU).

Research:

I have 17 years research experience in microbiology especially in infectious diseases related to oral health, HPV, community and hospital acquired infections and antibiotic resistance. Further, I have worked on gingival human fibroblasts and irradiation studies. Served as PI and co-PI in a number of research programs sponsored by various central and state agencies. I have also received financial support for travel and conducting educational workshop from National Academy of Sciences (USA), National Academies of Sciences, Engineering, Medicine (USA) and the Catholic University of Korea. Research funding agencies from Govt. of India include ICMR, DBT, DST and BRNS. I have organised national symposia in the areas of Molecular Genetics, Stem Cells and Responsible Conduct of Science.

Research Fundings:

1. "Value addition of the dental gels and irrigants commonly used among dental patients by exposing to electron beam", Dept. of Microbiology, funded by Department of Atomic Energy (DAE) and Board of Research in Nuclear Sciences, (BRNS). Budget: Rs. 19.00 lakhs. (Completed)
2. Application of Irradiation for preventing post-harvest losses in fish and fishery products" funded by DAE and BRNS. Budget: Rs. 24,51 lakhs (Co-PI). (Completed)
3. "Attenuation of *Pseudomonas aeruginosa* virulence by dietary phytochemicals from vegetables as quorum sensing inhibitors" funded by DBT, Govt. of India. Budget: Rs. 18.40 lakhs (Co-PI)
4. Conducted workshop on Molecular Genetics funded by KSTA. Budget: 1.6 lakhs (PI)
5. Association of urinary tract infection and blood glucose level in Type 2 diabetes mellitus. STS 2014; Student project funded by ICMR (Seemitha Shetty III Year Medical Student - Guide: Dr. A Veena Shetty) (Reference ID: 2014-04693)
6. Association of white discharge and psycho social risk factors in women of reproductive age in South Canara – A community based study. Funded by ICMR. Budget: Rs. 12, 77, 750/- (Co-PI)

Awards and Fellowships

- Received **Venus International Foundation Award for Excellence in Microbiology** by Venus International Health Care Awards at Chennai in July 2023.
- Received **FIABMS TITLE Fellow award** by Executive Committee of **Indian Association of Biomedical Scientists (IABMS)** during 42nd Annual conference of IABMS held on 25th to 27th November 2021.
- Received **Women Scientist research award** on International Women's day from Alvas Education Foundation Moodubidri, on 18th March 2022
- Received "Certificate of Recognition" from Wake Forest University, USA on 7th January 2020, for **Outstanding Mentoring of Wake forest School of Medicine Medical Students** for the period 2015 to 2019.
- Received "**International Travel Grant award**" for oral paper presentation at NDSU, USA, held from 16th to 19th July 2017.
- Received the "IDWeek 2015 **Guerrant International Travel Grant award**" an amount of \$1,600 for poster paper presentation at San Diego, USA.
- Nominated and sponsored to attend a workshop on "Antimicrobial Susceptibility Testing for Veterinary Microbiologists" funded by **ICMR at PGIMER, Chandigarh** held from 5th to 6th August 2016.
- Nominated and sponsored to attend an **International Educational workshop** held from 16th to 22nd August, 2013 in Kuala Lumpur, Malaysia. The Educational Institute was funded by the U. S. **National Academy of Sciences** in collaboration with the Academy of Sciences, **Malaysia**.
- Received funding support for travel and conducting an educational workshop from **National Academy of Sciences, USA, National Academies of Sciences, Engineering, Medicine, USA** in 2014 **at Kuala Lumpur, Malaysia**.
- **Received SKRF, UK supported fellowship training** on "Mesenchymal stem cells: Isolation and characterization" at St. Mary Hospital, The Catholic University of Korea, **Seoul, South Korea** in 2012.

Research Publications (Total): 160