

Centre for Bioscience and Nanoscience Research (CBNR)

(Affiliated to Bharathiar University, CBE)

ISO 9001 : 2015 Certified



MAIN PROJECT

About CBNR

CBNR (Centre for Bioscience and Nanoscience Research) is an ISO Certified (9001-2015) and affiliated to Bharathiar University, research institute was established in 2010 with the objective of providing need based and high quality productive research in different disciplines of life sciences. Young and vibrant minds are made mundane by piling up of mere theory rather than practice. In such a scenario, CBNR has taken a different route to embark upon quality training. Bridging the gap between Industry and academia is the focal point of all efforts at CBNR .

CBNR is Affiliated and approved Research Institute by Bharathiar University to conduct M.Phil and Ph.D programmes in Microbiology and Biotechnology.

CBNR has signed MOU with various colleges (12) , conducted workshops and Faculty development programmers (28). Submitted 106 gene bank sequences to NCBI and one patent . Our students and research scholars received 11 best paper awards . Total citation index of 1018 and published more than 85 research papers.

KEY AREA OF RESEARCH

- ❖ Antimicrobial Resistance
- ❖ Pathogenicity and Virulence
- ❖ Biotechnology and Synthetic Biology
- ❖ Environmental Microbiology
- ❖ Microbiomes
- ❖ Food Microbiology
- ❖ Bionanotechnology

INDUSTRIAL & ENVIRONMENTAL BIOTECHNOLOGY

- Food safety and Food Microbiology · Forensic Biotech/Microbiology
- Molecular pathogenesis and PCR studies
- focuses on the discovery and design of new gene-encoded bioactive small molecules from bacteria / understanding enzymes involved in their biosynthesis, their therapeutic mechanisms of action, and implications in health and diseases, in particular with respect to the human microbiome.
- biosynthetic pathways to make new and improved molecules as potential therapeutics such as antibiotics. .
- Cancer biology/ MTT ASSAY / Flow cyto metery assay and /DNA fragmentation
- Plant based drugs/Biopharmaceuticals / Plant nanotechnology and animal Nanoscience
- Bionanotehcology in food industry/ edible and smart packing



HANDS ON TRAINING/ Implant training

CBNR offers inestimable hands on training on various fields of the Life science such as., Animal Cell culture techniques, Molecular Biology Techniques, Chromatography techniques, Quality Control Techniques, Nested/ PCR Techniques, Immunological techniques , Bionanotechnology, drug formulation/ food science agri microbiology and genomics & Proteomics techniques throughout the year.

Research TESTING SERVICES

CBNR encompass theirs skill and instrumentation testing facility to students, researchers, scientists, entrepreneurs and various industries.

CBNR covers biotechnological analyses with the state-of-the-art instrumentation and cutting edge technologies with affordable cost.

❖ TOWARDS EXCELLENCE THROUGH RESEARCH AND DEVELOPMENT

Contact

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