5. Compound purification by chromatography

6. Nanotechnology

1. Production of nanoparticles in different methods
2. Characterization of nano particles
3. Functionalisation of nano particles
4. Antimicrobial and antitumor activity of nanoparticles.
5. Dye degradation by using nano partilces
6. Toxicology studies

7. Environmental Biotechnology

1. Waste water treatment
2. Bacterio phage isolation & its application
3. Treatment of oil contaminated soil
4. Plastic degradation
5. Bioremediation

Other Activities

Mini Project

B.Tech / M.Tech Project

MSc/ Mphil/ phD Project

Workshop / Internship Programme

Contract Research

On-site training at client sites

For Further Details

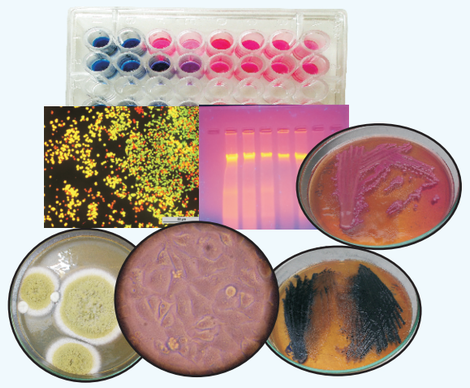
Royal Bio Research Centre

No. 30A, 10th Cross Street,
Dhandeeswaram Nagar,
Velachery, Chennai - 600 042.
Mobile : +919940352236
Mail ID : royalbio2012@gmail.com
Website : www.royalbiorc.com

Applicants have to send the biodata along with the registration fee Rs. 500/-

The registration fee not refundable

Royal Bio Research Centre



PROJECT PAMPHLET

Royal Bio Research Centre

Profile

Royal Bio Research Centre was formed in the year 2012 with a team of young scientists and industrial leaders, who have acquired knowledge, expertise and world-class exposure. The centre carries out Training Programmes, Workshops, Bio-services and Projects for Under Graduates, Post Graduates and Research Scholars. We have developed a unique way of training which provides a strong knowledge about the techniques and its applications. More importantly the techniques are carried out with hands-on experience, so that the student certified by the institution could perform, troubleshoot and apply the techniques with great ease in their field. The workshops and training programs are taught by professionals who make it interactive and hands-on practice. The centre is equipped with multiple labs and facilities that match research and industrial standards. Exposure to these facilities and techniques will prepare students to meet the current industrial needs. The centre offers projects and training programmes in the following disciplines.....

1. Microbiology

1. Microbial diversity
2. Food, Industrial and clinical microbiology
3. Isolation & Characterization of endophytic fungi
4. Enzyme production and analysis of actinomycetes spp
5. Isolation & characterization of antibiotic producers
6. Isolation of bacteriophage from effluents
7. Optimization of Biogas producing microbes

2. Molecular biology

1. Microbes analysis of genetic diversity
2. Genome sequencing
3. Studies on protein profiling
4. Screening of virulence and toxin gene in microbial strains
5. Polymorphism studies
6. Gene expression

3. Animal Tissue culture

1. Analysis of anticancer activity
2. Antidiabetic activity
3. Anti-inflammatory activity
4. Cell adhesion studies
5. Wound healing activity
6. Analysis of DNA fragmentation
7. RT PCR
8. Western blotting studies
9. Fluorescence & Flow cytometry analysis

4. Enzyme Technology

1. Production of enzymes
2. Optimization of enzyme
3. Immobilization
4. Enzyme assay and Quantification
5. Enzyme purification by chromatography
6. Enzyme profiling

5. Herbal Technology

1. Isolation, identification and characterization of bioactive compounds in medicinal plants.
2. Phytochemical analysis
3. Antioxidant activity of herbal plants
4. Analysis of antimicrobial activity