

## WHY CHOOSE US?

- ✓ Well Established Research Laboratory
- ✓ Expert Trainers
- ✓ Publication Assistance
- ✓ Fastest Wi-Fi Facility
- ✓ Well Connected Transport Facility
- ✓ Equipped with Sophisticated Instruments
- ✓ Affordable Training Fee



## OUR SERVICES

- Hands on Trainings
  - Internships
  - Workshops
  - Mini & Major projects
  - Skill Training Program
- B. Pharm. | B. Tech.  
B. Sc. | M. Pharm.  
M. Tech | M.S. | M.Sc.  
M. Phil. | PhD  
Research Scholars |  
Faculties

## CONTACT US



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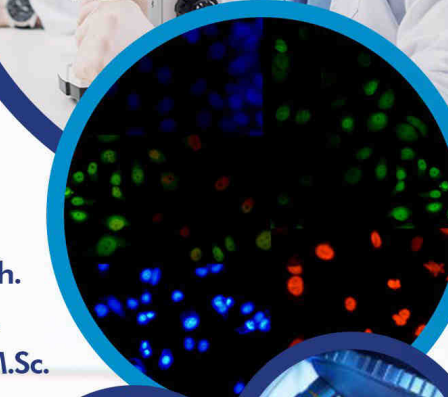
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# AviGen BioTech Pvt Ltd.

Experience Research; Transform Life



## ABOUT US

AviGen BioTech Pvt Ltd. is a Government certified multidimensional Biotech research centre, located in Chennai, Tamil Nadu. It undertakes academic research in the frontier areas of life sciences and medicine. It leads significantly in the development of the human resources needed to bridge the gap between the academic and biotechnological industries. It also conducts and coordinates creative and personalized trainings, organizes seminar, symposia and scientific workshops for students doing B.Tech., M.Tech., B.Sc., M.Sc., B.Pharm., M.Pharm., M.Phil, PhD Research Scholars and Faculties. It is actively involved in testing and outsourcing services, contract research, product design and manufacturing and is equipped with core instrumentation facilities.

## INTERNSHIPS AND HANDS ON TRAINING MODULES

- Advanced Bioinformatics tools
- Biodiesel from waste oils and fats
- Biogenic synthesis of seven different metal nanoparticles
- Bioinformatics
- Cell culture techniques
- Chromatographic techniques
- DNA disintegration and Apoptosis analysis using fluorescent microscopy
- Food safety and food processing techniques
- Food safety and microbial analysis
- *In vitro* bioassays
- Industrial enzymes and their applications
- Isolation of mesenchymal stem cells
- Making feed from feathers
- Microbial quality analysis of food, water and agricultural products
- Microbiological techniques
- Molecular biological techniques
- Natural drug loaded chitosan nanoparticles and their antidiabetic efficacy
- Phytochemical analysis (qualitative and quantitative) and antioxidant activities
- Probiotics for food industry applications
- Protein purification techniques
- Purification and characterization of plant products: antimicrobial, anticancer, antioxidant properties
- Stem cell technology and regenerative medicine
- Synthesis and characterization of silver and gold nanoparticles and their applications
- Synthesis of reduced graphene oxide (R.G.O) and its biomedical applications
- Tissue engineering

## AREA OF FOCUS

- Agricultural Biotechnology
- Algal Biotechnology
- Animal Cell Culture
- Bioinformatics
- Bio-Pharma technology
- Cancer Biology
- Environmental Biotechnology
- Enzyme Technology
- Food Biotechnology
- Herbal Technology
- Marine Biotechnology
- Microbiology
- Molecular Cell Biology and Genetics
- Nanotechnology
- Stem Cell Technology
- Tissue Engineering



## INSTRUMENTATION FACILITIES

- Bacteriological Incubator
- Bioreactor
- Biosafety Cabinet Class II, Type A2 (NSF compliance)
- CO2 Incubator
- Cooling Centrifuge C-24 Plus
- Fluorescent Microscopy EVOS Flc
- Hot Air Oven
- Inverted Microscopy EVOS XL
- Laminar Air Flow Chamber (Microbiology)
- Light Microscopy CXL Mono
- Microplate Reader
- PCR Machine
- RT-PCR Machine
- TLC Viewer
- UV-Visible True Double Beam Spectrophotometer (CFR compliance)
- Visible Spectrophotometer
- Western Blot

