

# TRUSTFUL COMPANION

TO REALIZE YOUR RESEARCH THOUGHTS



ANIMAL CELL  
CULTURE LAB



MOLECULAR  
BIOLOGY



PHARMACOLOGICAL  
STUDIES



- ON DEMAND TECHNOLOGY DEVELOPMENT
- BIOLOGICAL SAMPLES TESTING SERVICES
- TRAINING ON ADVANCED BIOLOGICAL TECHNIQUES
- Ph.D HELPDESK
- INTERNSHIP OPPORTUNITIES



[www.athmicbiotech.com](http://www.athmicbiotech.com)



## RESEARCH AND ANALYSIS SERVICES

We expect collaborative research opportunities with renowned institutes, scientists and research scholars. Following are the research / analysis services offered here

### Animal cell culture

- ~ Anticancer studies
- ~ Neuro protective studies
- ~ Antiinflammatory studies
- ~ Toxicity studies
- ~ Fluorescent microscopic images

### Molecular biology

- ~ Gene expression studies
- ~ Comet assay
- ~ Molecular characterization
- ~ RAPD
- ~ Somoclonal variation

### Plant tissue culture

- ~ Cell suspension culture
- ~ Hairy root culture
- ~ Micro propagation
- ~ Callus initiation
- ~ Artificial seed

### Microbiology

- ~ Bio polymer research
- ~ Micro algae studies
- ~ Bio-fertilizer
- ~ Anti Biofilm studies

### Phytochemistry

- ~ Extraction
- ~ Qualitative analysis
- ~ Quantitative analysis
- ~ Purification (Column chromatography)
- ~ Characterization

### Pharmacological assays

- ~ Antioxidant assays
- ~ Antimicrobial studies
- ~ Anti diabetic studies
- ~ Anti inflammatory studies
- ~ Anti helminthic studies

### Bioinformatics

- ~ Docking
- ~ Computer aided drug discovery

### Physio chemical analysis

- ~ Ash value
- ~ Peroxide value
- ~ Acidity
- ~ Crude fiber
- ~ Total solids

### Nutritional and water analysis

- ~ Carbohydrate, Protein, fat, vitamins, pigments etc
- ~ Mineral analysis
- ~ Water quality analysis  
(Biochemical and Microbial)



## AVAILABLE FACILITIES

- Double beam UV spectrophotometer (Thermofisher)
- CO<sub>2</sub> Incubator (Eppendorf, USA)
- Fluorescent inverted microscope
- Biological safety cabinet class II
- Cryo centrifuge
- Micro plate reader
- PCR (ABS, Thermofisher)
- (-20°C) Freezer
- Electrophoresis units
- Other basic laboratory equipments





## Hands on training programmes

- ~ Laboratory techniques in animal cell culture
- ~ Advanced techniques in plant tissue culture
- ~ Workshop on molecular biology techniques
- ~ Workshop on computer aided drug designing (Insilico)

Training schedules can be found at our website [www.athmicbiotech.com/training](http://www.athmicbiotech.com/training)

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