

## **CONSULTANCY SERVICE**

Welcome to the Department of Biotechnology at Bishop Heber College (Autonomous), Tiruchirappalli!

Unlocking Nature's Potential: Explore Our Thriving Consultancy Services!

Are you ready to delve into the dynamic world of biotechnology and harness its immense potential? Look no further! Our esteemed department is proud to offer a comprehensive array of consultancy services tailored to meet the diverse needs of students, researchers, and industries alike.

Here at Bishop Heber College (Autonomous), we are committed to fostering innovation, pushing boundaries, and driving impactful change through cutting-edge research and practical applications. Our consultancy services cover a wide spectrum of thrust areas, ensuring that we cater to every aspect of your biotechnological endeavours.

### **❖ Exploring the Microcosm: Antimicrobial & Antifungal Assays**

Dive into the realm of microbial warfare and fungal resistance as we offer expert guidance and analysis in antimicrobial and antifungal assays. Uncover novel solutions to combat pathogens and safeguard public health.

### **❖ Preserving Life's Diversity: Biodiversity Conservation**

Join us in our mission to conserve and protect Earth's precious biodiversity. Our consultancy services provide strategic insights and methodologies to promote biodiversity conservation efforts for a sustainable future.

### **❖ Greening the Future: Bioenergy and Bioremediation**

Harness the power of nature to address environmental challenges. Let us guide you in the development of bioenergy sources and bioremediation techniques, paving the way for a cleaner, greener tomorrow.

### **❖ Unraveling Molecular Mysteries: Column Chromatography & TLC**

Master the art of molecular separation and analysis with our expertise in column chromatography and preparatory TLC. Unlock the secrets hidden within complex mixtures and unveil new possibilities.

❖ **Safeguarding Our Planet: Environmental Impact Assessment**

Navigate the intricate landscape of environmental impact assessment with our specialized consultancy services. Ensure responsible practices and sustainable development for a harmonious coexistence with nature.

❖ **Navigating Nanoworld: Evaluation of Nanoparticle Toxicity & Synthesis**

Embark on a journey into the nanoscale realm with our evaluation of nanoparticle toxicity and green synthesis expertise. Explore the potential of nanoparticles while prioritizing safety and sustainability.

❖ **Harnessing Nature's Pharmacy: Phytomedicine & Plant Metabolic Engineering**

Tap into the therapeutic potential of plants with our phytomedicine and plant metabolic engineering services. Unlock nature's pharmacopeia and engineer plants for enhanced medicinal properties.

❖ **Innovating Biomedical Frontiers: Nano Biomedicine & Protein Engineering**

Explore the intersection of nanotechnology and medicine with our nano biomedicine consultancy. Additionally, delve into the realm of protein engineering and biomarker prediction for groundbreaking biomedical innovations.

❖ **Empowering Research Tools: MEGA Tool & Fungi Identification**

Equip yourself with powerful research tools such as the MEGA tool for phylogenetic analysis and expert guidance in fungi identification. Navigate the complexities of biological data with confidence and precision.

Whether you're a student embarking on a research journey, a researcher seeking specialized expertise or an industry leader striving for innovation, the Department of Biotechnology at Bishop Heber College (Autonomous), is your **trusted partner** in unlocking the full potential of biotechnology.

Join us in shaping a brighter, more sustainable future through the transformative power of biotechnology. Together, let's innovate, inspire, and make a lasting impact on the world.

Contact us today to explore our consultancy services and embark on a journey of discovery and innovation like never before!



## Bishop Heber College (Autonomous) Tiruchirappalli – 620 017

### CONSULTANCY SERVICES OFFERED BY THE BIOTECHNOLOGY DEPARTMENT (2024 - 2025)

#### Technical Expertise

- ❖ Antimicrobial/Antifungal assays (Rs. 350/compound)
- ❖ Biodiversity conservation (Upon request)
- ❖ Bioenergy and Bioremediation (Upon request)
- ❖ Column chromatography (Rs. 650/sample)
- ❖ Environmental impact assessment (Upon request)
- ❖ Evaluation of toxicity of nanoparticles (Rs. 300/type of nanoparticle)
- ❖ Evaluation of Minimal Inhibitory Concentration (MIC) (Rs. 400/compound)
- ❖ Fungi identification (LCB mount) (Rs. 150/fungus)
- ❖ Green synthesis of Silver nanoparticles (Rs. 300/sample)
- ❖ MEGA tool (Rs. 500/nature of analysis)
- ❖ Nano biomedicine (Upon request)
- ❖ Phytomedicine (Upon request)
- ❖ Plant tissue regeneration (Upon request)
- ❖ Plant Metabolic Engineering (Upon request)
- ❖ Preparatory TLC (Rs. 150/Sample)
- ❖ Protein engineering and biomarker prediction (Upon request)
- ❖ Production of secondary metabolites (Rs. 550/fermentation medium)

#### Training and Educational Services

- ❖ Biotechnology workshops and training programs
- ❖ Customizable training courses
- ❖ Internships and research collaborations
- ❖ Career guidance and development

#### Social Impact & Community Outreach

- ❖ Environmental biotechnology consulting
- ❖ Agricultural biotechnology consulting
- ❖ Biotechnology education and awareness programs
- ❖ Community health and development initiatives
- ❖ Technology assessment and risk analysis

For queries, please contact: **Dr. P. Samuel**

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