



Bishop Heber College [Autonomous]

(Nationally Reaccredited with 'A' Grade by NAAC with a CGPA of 3.58 out of 4)
("Recognised by UGC as "College of Excellence")
DST-FIST Sponsored & DBT Star College, Tiruchirappalli-620017, Tamilnadu, India



Dr. V. VIOLET DHAYABARAN M.Sc., M.Phil., PGDCA., Ph.D
Associate Professor of Chemistry

Coordinator
Department of Biotechnology and Bioinformatics

Dean of Sciences



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Computer Aided Drug designing Lab



Biotechnology Lab



Department Library



Class room Infrastructure



Achievements of the Department

Funded Projects- UGC Major : 1, UGC Minor : 5,
Management – 5,
Tamil Nadu Science and Technology Student Project-2
Publication in peer reviewed journals: > 97 - Scopus : > 35,
UGC referred journals : > 50
Number of Patents granted-02
Number of Patents filed-02
Sequence submission in Genbank : 11
Ph.D's produced : 2
Internships in reputed institutes
Received Best Oral and Poster awards
Publication of Tamil Life Science Books by Dr. R. Sharmila

Sports - Archery



Smart India Hackathon



Intercollegiate Meet - Biofest



Intradepartmental Meet - Talentia



**Organizing
Events**



DEPARTMENT OF BIOTECHNOLOGY AND BIOINFORMATICS
BISHOP HEBER COLLEGE, TRICHY



About the Department

The Department of Biotechnology and Bioinformatics explores well in academic & research activities with a team of dedicated, efficient and well qualified faculty members under the able leadership of the Head of the department. The strength of the department is evident through the patents, research projects and publications with high impact factors of the faculty members and the well-established sophisticated lab facilities for UG, PG and research students. The students are trained to be competent in biological and computational knowledge through updated curriculum and involve the students in a number of socially relevant extension activities to sensitize the society and introduce radical changes in issues like environmental protection, human health and agricultural upliftment.

Historical Background & Milestones

The Department of Biotechnology was established in the year 2002, further it expanded by introducing various programmes due to the increase in demand ratio and was upgraded as a research department in 2012.

Vision

The Department seeks to create holistic development through teaching, research and extension activities with mutual love, social commitment and conscience to solve the biological issues through computational approach.

Mission

To develop students in technical education and research by imparting knowledge and skill to attain academic excellence and professional competence.

B.Sc Biotechnology

This programme prepares the students for higher education at prestigious national institutes and for suitable jobs in the world job market. Students will acquire comprehensive knowledge of the core and cross disciplinary domains of Biotechnology as the curriculum comprises updated theory and practical courses. The technical abilities needed for employment in the field of Biotechnology and Health care sectors will be offered through this programme.

M.Sc Biotechnology

This programme is designed to provide opportunities in research and enterprise domains. The students would acquire in-depth knowledge and understanding in various fields of Biotechnology. They would develop the ability to think critically, design research creatively and communicate effectively to present their research findings. The technical, experimental skills in Tissue Culture and Digital Competency are embedded with regular teaching and learning for the progression of students in research and placement opportunities in reputed sectors.

Industrial/ Plant/ Animal Biotechnology) intended to provide competency to students in biotechnology. Research oriented courses train them for critically thinking, design research projects and prepare report/manuscript. Short-term research experience lead the students to enroll in doctorate program all over the world, while equipped skills (Genetic engineering Plant/animal cell culture techniques) help them to secure jobs in private/ public academic institutions, various biotechnology/ pharmaceutical industry related to their field of specialization/study.

M.Sc Integrated Bioinformatics

The Master of Science in Bioinformatics (Integrated) is an interdisciplinary five year programme that combines the application of computer technology and analysis of biological data. The programme was specifically designed to develop skills in computer programming, data analysis, and problem solving. Students would acquire knowledge in technology competency and creativity to handle biological information related to Genomics, Proteomics, molecular biology using various softwares to provide meaningful and innovative outcomes for industrial, research oriented and socially relevant problems.

Ph.D. in Biotechnology

Graduates can apply for Full-time and Part-time Ph.D. programme. The students would be enabled to apply their knowledge in their chosen domain and create new knowledge through problem solving skill, technology competency and excellent communication skills to publish original research articles in the reputed journals and file their findings as Intellectual Property.

Diploma Programmmes

Postgraduate diploma in Bioinformatics (PGDBI) and Diploma in Bioanalytical Techniques (DBAT) were initiated in 2006 and are offered to Biology students to upgrade and apply their knowledge for the cross disciplinary applications to provide innovative outcomes.

Uniqueness



Awards and Recognition secured by the Department

- Grants received from Various organizations UGC, DST, DBT, CSIR to organize international and national conferences
- Research grants received from Tamilnadu government

Infrastructural facilities available and e-resources

- Smart Classrooms
- Well furnished Classroom with Overhead Projectors
- Wi- Fi Connectivity
- Well Equipped Lab (UG, PG & Research)
- Computer Aided Drug designing (CADD) Lab
- Updated Software
- Department Library with recent edition books
- Intranet Web Portal

Illustrious Alumni



Dr. S. BALAMURUGAN
DBT-Ramalingaswami Fellow/
Assistant Professor
Department of Biotechnology
BHARATHIDASAN UNIVERSITY
Tiruchirappalli 620024.



Dr. J. MERRYLIN
Assistant Professor
Department of Food Science & Nutrition
Sarah Tucker College (Autonomous)
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Dr. ARUN
Post Doctoral Fellow
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Dr. B. SHANMUGANATHAN
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KALAIYARASAN M
Team Leader - Lab Biologics,
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Ms. PETRINA J
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