



THE BIOTECH CHRONICLE

NEWSLETTER 2023 - 2024



Greetings!

In the recent months, the department has been bustling with a variety of enriching programs aimed at fostering the academic and holistic development of our students. From inaugural events to workshops and celebrations, there's been a plethora of opportunities for learning and engagement.

The Department of Biotechnology has reached great heights under the able leadership of Dr. Violet Dhayabaran, who headed the department from 2010-2023. The department has achieved accolades with the unstirring team effort by the faculty and students. Though we had undergone NAAC re-accreditation this academic year, yet the members steered the department to greater heights through several academic, extracurricular, extension and innovative programs designed, which are recorded as various events highlighted.

I sincerely appreciate and congratulate the efforts taken by the entire department to accomplish several feats in Biotechnology.

I wish them all the best!

- DR. R. Jasmine

Associate Professor and Head

Year in Review

- International Symposium: BIOSPARK 24** showcased global advancements in biotechnology research and education.
- State Level Workshops and Knowledge Sharing:** From Data Management to the Biology of Zebrafish, our workshops provided valuable insights.
- Academic Enrichment:** Journal & Quiz Club sessions and Health Awareness Programs expanded our knowledge horizons.
- Sports and Recreation:** The Badminton Event fostered healthy competition and camaraderie among students.
- Festive Celebrations:** Christmas and Pongal brought our community together in joyous celebrations.

INTERNATIONAL SYMPOSIUM ON PROGRESS, ADVANCEMENTS, AND RESEARCH KNOWLEDGE IN BIOTECHNOLOGY - (HYBRID MODE)

The symposium featured distinguished and eminent scientists who graced the occasion with their profound insights:

Dr. Ramalingan delved into the Molecular Analysis of Monocyte subsets among Pulmonary Tuberculosis, unraveling the complexities of TB pathogenesis, undiagnosed LTB, mycobacterium characteristics, and the transformative potential of Transcriptomics. Dr. Deepan illuminated the audience with insights into the Preparation and Synthesis of Bioadhesives, drawing inspiration from Green Mussel and Squid Teeth Protein. His discourse seamlessly intertwined discussions on genomics and protein engineering, captivating the audience with its interdisciplinary approach. Dr. Suresh navigated the audience through New Challenges in Clinical and Forensic Toxicology, shedding light on innovative methods of detecting harmful levels utilizing the remarkable capabilities of the invertebrate *Daphnia magna*. In the aftermath of these intellectually stimulating sessions, students from various institutions showcased their research endeavors through insightful posters. These presentations were meticulously reviewed and evaluated, culminating in the announcement and felicitation of the poster competition winners, marking a fitting conclusion to the event.



STATE LEVEL HANDS ON TRAINING ON ZEBRA FISH AS AN ANIMAL MODEL!

A hands on training cum workshop on Zebra Fish as an Animal Model was held on 16th February 2024. The Interactive sessions on different modules of zebra fish husbandry has been explained in detail. Concepts on animal modelling, bio incubator, retaining wild strains were discussed in the session. The practical hands-on session was performed to understand the morphology of zebra fish. Students participated in dissecting the vital organs of the animal.



BIOINNOVA CLUB ACTIVITIES

BISHOP HEBER COLLEGE
(AUTONOMOUS)
Trichy - 620 017
Department of Biotechnology

BIOINNOVA CLUB
ACTIVITIES

EVENTS:

- Model presentation
- Poster presentation
- Essay writing
- Debate
- Elocution

GUEST OF HONOUR:
Dr.Jasmine Jemimah Jevanathi. R
Associate Professor & Head
Department of Biotechnology
Bishop Heber college, Trichy-620017


We warmly invite you all...

19 December 2023
Time : shift 1 - 8.30 to 1.10
shift 2 - 1.30 to 6.10



An astounding and remarkable event titled BIOINNOVA was organized in the Department of Biotechnology on 19th December, 2023. This programme was held whole day long and it paved away for the students to showcase their talent and Skills.

THE DEPARTMENT'S ARRAY OF TRAINING PROGRAMS THIS YEAR COVERING GREEN INITIATIVES AT BHC AND GC-MS WORKSHOPS, DESIGNED FOR POSTGRADUTES AND RESEARCH SCHOLARS



BISHOP HEBER COLLEGE
DEPARTMENT OF BIOTECHNOLOGY
TRAINING PROGRAM ON
Significance of Green Initiative in
BHC Campus

GUEST OF HONOUR
Prof.A.Alagappa Moses
 Vice-Principal (Aided), BHC

RESOURCE PERSONS
Dr.K.T.Rajeshkumar
 Manager for Environment and Sanitations,BHC

Dr. A. Chandramohan
 Manager, Paper Recycling Unit, Centre for Environmental Sustainability(CES), BHC

DATE 15-12-2023
TIME 9.30 AM
VENUE Centre for Environmental Sustainability


All are cordially invited



Heber College
 Tiruchirappalli, Tamil Nadu, India
 No. 5, Revival Nagar, Ramalinga Nagar South Extension, Vayalur Road, Revival Nagar, Puthur, Tiruchirappalli, Tamil Nadu 620017, India
 Lat 10.815371°
 Long 78.671956°
 15/12/23 10:55 AM



Tiruchirappalli, Tamil Nadu, India
 RM8F+5Q8, Puthur, Tiruchirappalli, Tamil Nadu 620017, India
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PG AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY
BISHOP HEBER COLLEGE
 Nationally reaccredited with 'A++' Grade By NAAC With CGPA Of 3.69 Out Of 4
 Recognised By UGC As "COLLEGE OF EXCELLENCE"
 Affiliated To Bharathidasan University
 Tiruchirappalli - 620017

Jointly Organize a
WORKSHOP ON GC-MS

For Postgraduate Students & Research Scholars
4th & 5th Dec 2023, 10.30am onwards



Venue:
 Heber Analytical Instrumentation Facility (HAIF)
 Golden Jubilee Building,
 Bishop Heber College (Autonomous), Trichy

TECHNICAL SESSIONS
 Dr. G. SOLAIRAJ, Technical Officer, HAIF
 Mr. G. MANOJI, Technical Assistant, HAIF


ORGANIZING COMMITTEE


Dr. R. JASMINE Head of the Department Associate Professor	Dr. K. VIJAYALASHMI Coordinator- HAIF Asst. Professor of Physics
Dr. C. CYNTHIA Co-ordinator (Shift – II) Associate Professor	Dr. R. SHARMILA Associate Professor Organizing Secretary

"SPOTLIGHT ON CLUB VENTURES: A DEPARTMENTAL OVERVIEW"



Bishop Heber College
 (Autonomous)
 Tiruchirappalli -620017
Department of Biotechnology
Journal Club



PRESENTER
Mrs.S.Sowmiya
 MSc.,MPhil.,PGDBI(PhD)
 Research Scholar,
 Department of Biotechnology
 Bishop Heber college,
 Assistant Professor ,
 Department of Biotechnology,
 Vivekanandha College of Arts and Science for Women ,
 Trichengode ,Namakkal
29 November 2023
 Venue -II MSc. Biotechnology Classroom
 Time - 12:30 pm
ALL ARE INVITED...

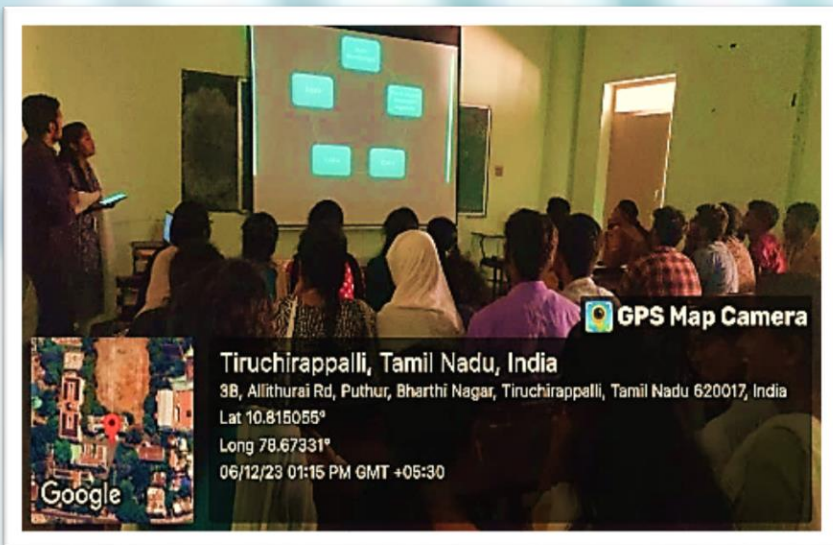

BISHOP HEBER COLLEGE
 (AUTONOMOUS)
 Trichy- 620017
DEPARTMENT OF BIOTECHNOLOGY


Sports Club
"Persistence can change failure into extraordinary achievement"
 -Matt Bondie
GUEST OF HONOUR
DR. JASMINE . R
 Associate Professor & Head of the Department
 Biotechnology
 Bishop Heber College,
 Trichy- 620017

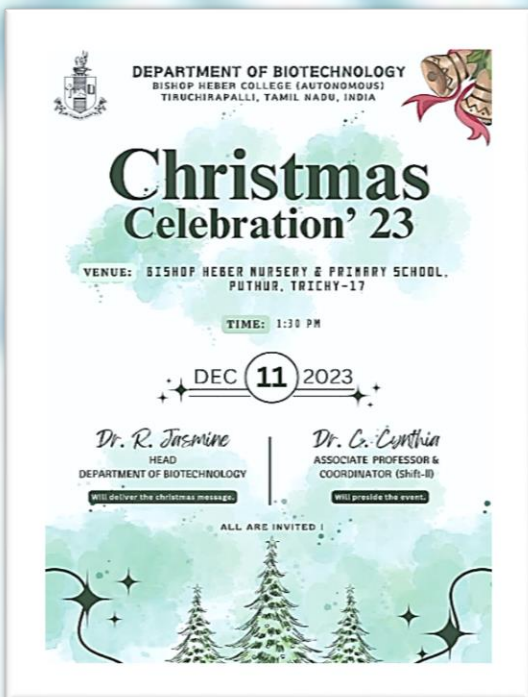
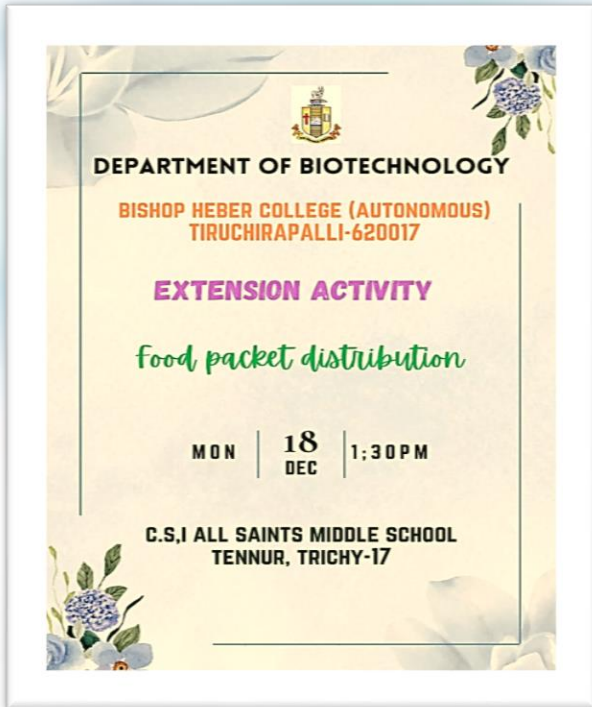
Badminton Event
15.12.2023 & 16.12.2023
 Venue: Indoor Stadium
ALL ARE CORDIALLY INVITED


BISHOP HEBER COLLEGE
 (Autonomous)
 Trichy- 620017
DEPARTMENT OF BIOTECHNOLOGY


Quiz club
"MILESTONES AND DISCOVERIES"
GUEST OF HONOUR
DR.CYNTHIA.C
 Associate professor and Shift II
 coordinator,
 Bishop Heber college,
 Trichy 620017
06-12-2023
TIME : 12.30 PM
VENUE: II MSc BIOTECH CLASSROOM
ALL ARE CORDIALLY INVITED



“CAPTURING DEPARTMENTAL EXTENSION ACTIVITIES: A SNAPSHOT OF OUTREACH ENDEAVORS”



"Marking National Science Day, our department celebrated scientific innovation and inquiry, fostering curiosity and discovery. Through engaging activities and discussions, we honored the legacy of Sir C.V. Raman and the spirit of scientific exploration."

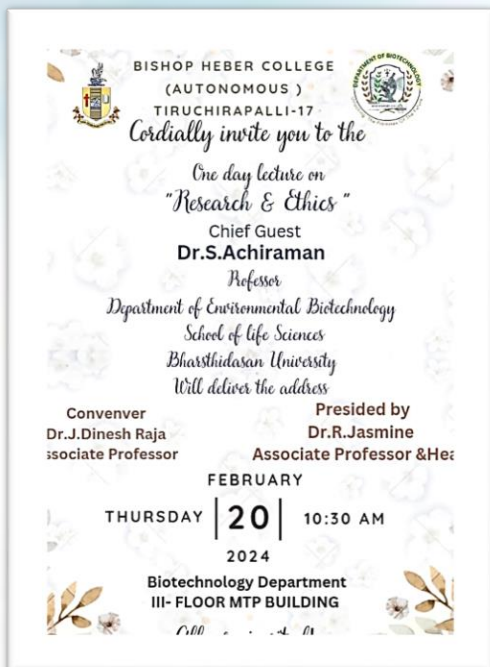
We celebrated with fun experiments, inspiring talks, and hands-on activities, igniting curiosity and showcasing the wonders of science to various school students. The theme for National Science Day 2024 is "Indigenous Technologies for Viksit Bharat". This theme underscores the critical role science and technology play in tackling global challenges and creating a more sustainable future for all.

The theme focuses on areas like:

- **Climate change:** Developing solutions to mitigate climate change impacts and promote renewable energy sources.
- **Resource depletion:** Exploring sustainable management of natural resources like water, energy, and food.
- **Environmental degradation:** Implementing strategies for pollution control, waste management, and biodiversity conservation.
- **Sustainable development:** Integrating science and technology into development strategies for achieving economic prosperity while protecting the environment.



EXPLORING THE ETHICAL COMPASS OF RESEARCH: A ONE-DAY JOURNEY NAVIGATING INTEGRITY, CONSENT AND RESPONSIBILITY FOR RESEARCH SCHOLARS!



"EMBARK ON AN ENRICHING JOURNEY TO NIFTEM THANJAVUR FOR FACULTY DEVELOPMENT"



"EMPOWERMENT WORKSHOP: MASTERING DATA MANAGEMENT FOR NON-TEACHING PROFESSIONALS"


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Affiliated To Bharathidasan University
Tiruchirappalli -620017

Organizes
**"WORKSHOP ON DATA MANAGEMENT FOR
NON -TEACHING FRATERNITY"**
RESOURCE PERSONS

Mr.ABEL ANBURAJ.R (Topic:File Management) Assistant Aided office Bishop Heber College	Mr.RANJITH KUMAR.R (Topic: Accounts Maintenance) Accountant Aided office Bishop Heber College
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Mr.JABEZ SAMUEL
(Topic: Basic Computer Skills)
Software Developer
IT Support
Bishop Heber College

PRESIDED BY
Dr.R.JASMINE
The Head
Department of Biotechnology
Bishop Heber College

 **27.11.2023 | 11.30am**
 **UG BIOTECHNOLOGY LAB**



"CSIR-NET SUCCESS ACCELERATOR: EMPOWERING OUR STUDENTS TO EXCEL IN COMPETITIVE EXAMINATIONS"- VALUE ADDED COURSE!



Tiruchirappalli, Tamil Nadu, India
Bishop Heber College, Vayalur Rd, Puthur, Tiruchirappalli, Tamil Nadu 620017,
India
Lat 10.815299°
Long 78.673285°
13/01/24 10:23 AM GMT +05:30



CHRISTMAS CELEBRATION

In a festive spirit, our department embraced the joy of Christmas with laughter, games, and delightful treats. Colleagues came together to exchange gifts and spread goodwill, creating lasting memories of warmth and camaraderie.



PONGAL CELEBRATION

Amidst vibrant colors and traditional rituals, our department celebrated Pongal, a harvest festival symbolizing abundance and gratitude. Delicious sweets and Pongal the festivities fostered unity and cultural pride among students and teachers



"DIPLOMA IN BIOANALYTICAL TECHNIQUES: COMMEMORATING ACHIEVEMENT AND EXCELLENCE"



DEPARTMENT OF BIOTECHNOLOGY
BISHOP HEBER COLLEGE (AUTONOMOUS)
Tiruchirapalli - 620017

**DBAT
CONVOCAATION**

Presided and Distribution of Certificates by



Dr.A.RELTON
Controller of Examination
Bishop Heber College

📅 6th March 2024 | 10:00am
📍 AC Seminar Hall 3rd floor, Admin Block

All are cordially invited



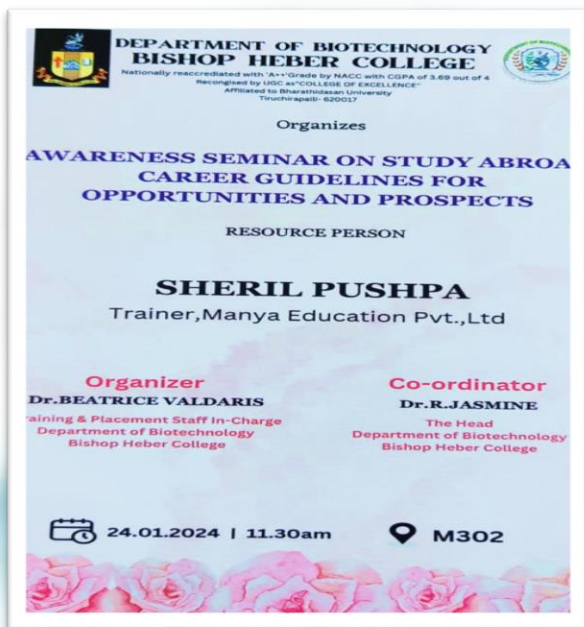
PROGRAM ON GENDER SENSITIZATION

Our department recently hosted a groundbreaking program on gender sensitization on March 8th 2024. The programme aimed at fostering awareness and understanding of gender-related issues in our community. Through interactive workshops and panel discussions. Dr. A. Sheba Princess, Associate Professor, Co-ordinator, Center of Gender Studies. The participants were encouraged to challenge stereotypes, promote inclusivity, and cultivate empathy. By exploring topics such as gender identity, discrimination, and privilege, we strive to create a more equitable and respectful environment for all. This initiative marks a significant step forward in promoting diversity and fostering a culture of



AWARENESS SEMINAR ON STUDY ABROAD- CAREER GUIDELINES FOR OPPORTUNITIES AND PROSPECTS

Department of Biotechnology recently hosted an awareness seminar titled "Study Abroad: Career Opportunities and Prospects" on January 24th, 2024. The event commenced with a prayer song, followed by a warm welcome from Dr. Beatrice Valdaris, Associate Professor, Department of Biotechnology. The esteemed chief guest, Ms. Sheril Pushpa, Trainer from Manya Education Pvt. Ltd, was honored by Dr. Jasmine, the Head of the Department of Biotechnology. During the seminar, Ms. Sheril Pushpa provided valuable insights into the guidelines for exploring career opportunities abroad. Her informative speech covered strategies for success in exams such as IELTS, GRE, TOEFL, and GMAT, as well as the necessary steps for pursuing education or employment overseas. Additionally, she highlighted the English proficiency training provided by Manya Education



ALUMNI RECONNECT

Alumni who graduated between the years 2002 and 2023 were invited to attend the occasion, and a total of 13 alumni honored us with their presence at the meet. The alumni gathering was led by our esteemed Head of the Department, Dr. R. Jasmine. The agenda commenced with an opening prayer, followed by a welcome address, felicitation, a brief discussion on the roles and responsibilities of alumni, faculty engagement, alumni interaction, a vote of thanks, and concluded with a closing prayer. The alumni meet, held with unwavering support from the Head of the Department and all faculty members, was a delightful journey down memory lane. It rejuvenated our thoughts on enhancing the department's progress, and the alumni expressed their eagerness to maintain ties with the department in the future to aid our students in securing promising positions. As a gesture of appreciation, our Biotechnology Department was presented with a wooden keychain engraved with "Proud Alumni." "As the saying goes, "Coming together is a beginning; Keeping together is progress; Working together is success." With this initial gathering, we, along with our alumni, anticipate numerous future reunions that will keep us connected and continue fostering collaboration and growth.




HEBER BIO ALUMNI LECTURE SERIES "2024- ONLINE MODE


DEPARTMENT OF BIOTECHNOLOGY
BISHOP HEBER COLLEGE (Autonomous)
TIRUCHIRAPPALLI

HEBER BIO ALUMNI LECTURE SERIES" 24
(Online Mode)

Day II : 22-02-2024 (Thursday)
Lecture - I (Time : 10.00 - 10.30 am)
Ms . Jeevika Rajendran (2017 - 2019)
Research Scientist
Department of Plant Sciences
Faculty of Science
University of Colombo
SRI LANKA - 00300



Lecture - II (Time : 10.30 - 11.00 am)
Mr. K. Karthikeyan (2009 - 2011)
Junior Scientific Officer
Tamilnadu Forensic Sciences Department
Tamilnadu Forensic Science Lab
Chennai - 600 004



Convener
Mrs. A. Melba Priyasharshini
Assistant Professor

Presided By
Dr. R. Jasmine
Associate Professor & Head

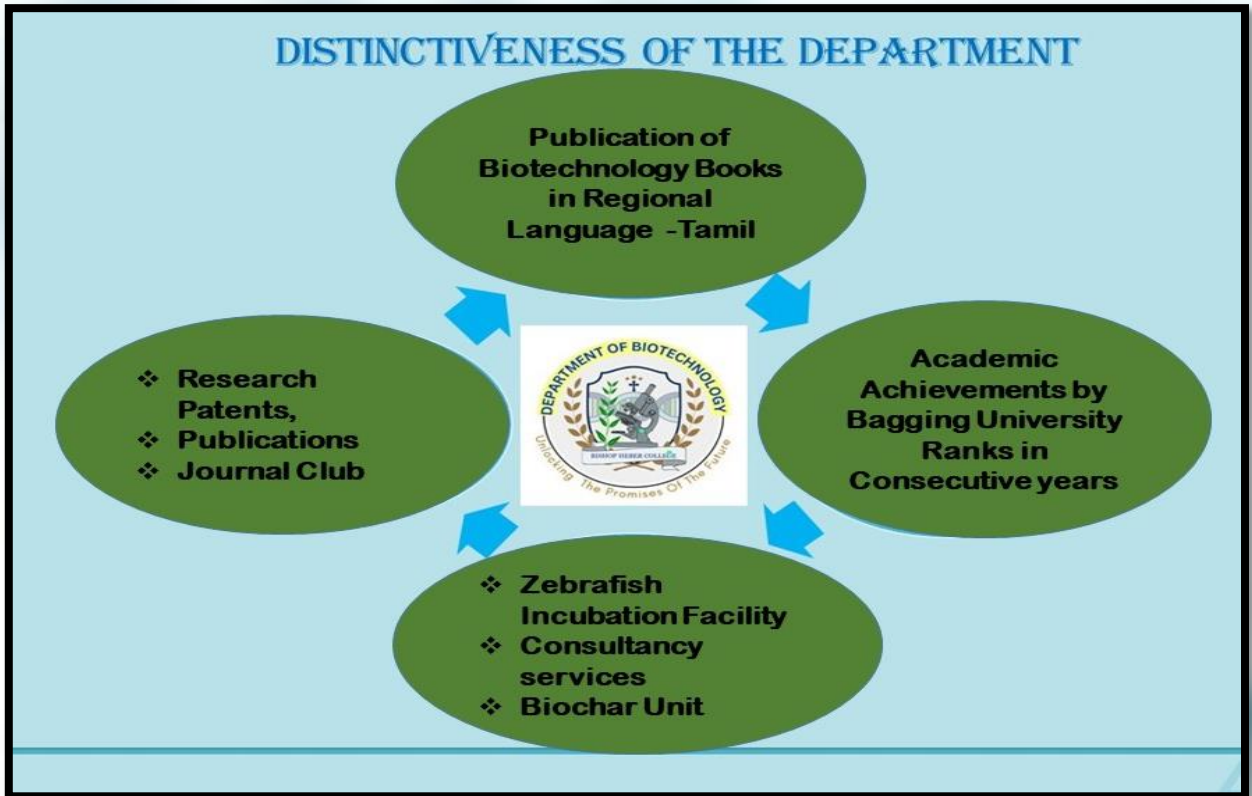
ALL ARE INVITED!



We are thrilled to announce that the Department of Biotechnology has achieved a remarkable milestone this academic year! We are proud to share that our department has been awarded a prestigious 5-star status. This achievement is a testament to our unwavering commitment to excellence in education, research, and innovation. We extend our heartfelt gratitude to everyone who has contributed to this achievement and reaffirm our commitment to providing an enriching learning environment for our students. This 5-star status is not just a milestone; it is a symbol of our collective dedication to shaping the future of biotechnology.



DISTINCTIVENESS OF THE DEPARTMENT



Best Practices

1. Bio-innovation in South Indian Rice Variety



Cultivation of Traditional Indigenous Rice Variety
KAATTU YAANAM



Organized Traditional Indigenous Rice Varieties Exhibition



Developed **HEBer Traditional Rice Database (HEBTR)**

2. Production of Black Gold An Organic Product (Biochar) from Solid Waste



Preparation of Biochar from Solid Waste



BIOCHAR

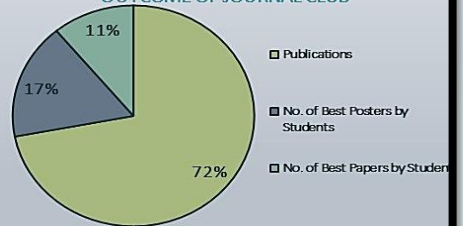


Saplings grown on Biochar field

3. Reinforcement of Research Skills Through Journal Club



OUTCOME OF JOURNAL CLUB



EDITOR

DR. CHRISANNE FREEMAN
ASSISTANT PROFESSOR