

**FACULTY OF SCIENCE AND HUMANITIES**  
(A Place for Transformation)

# DEPARTMENT OF BIOTECHNOLOGY



# BioTalk

(A biannual newsletter)

**VOLUME 1**  
**ISSUE 1**

Scan below, or visit us at:

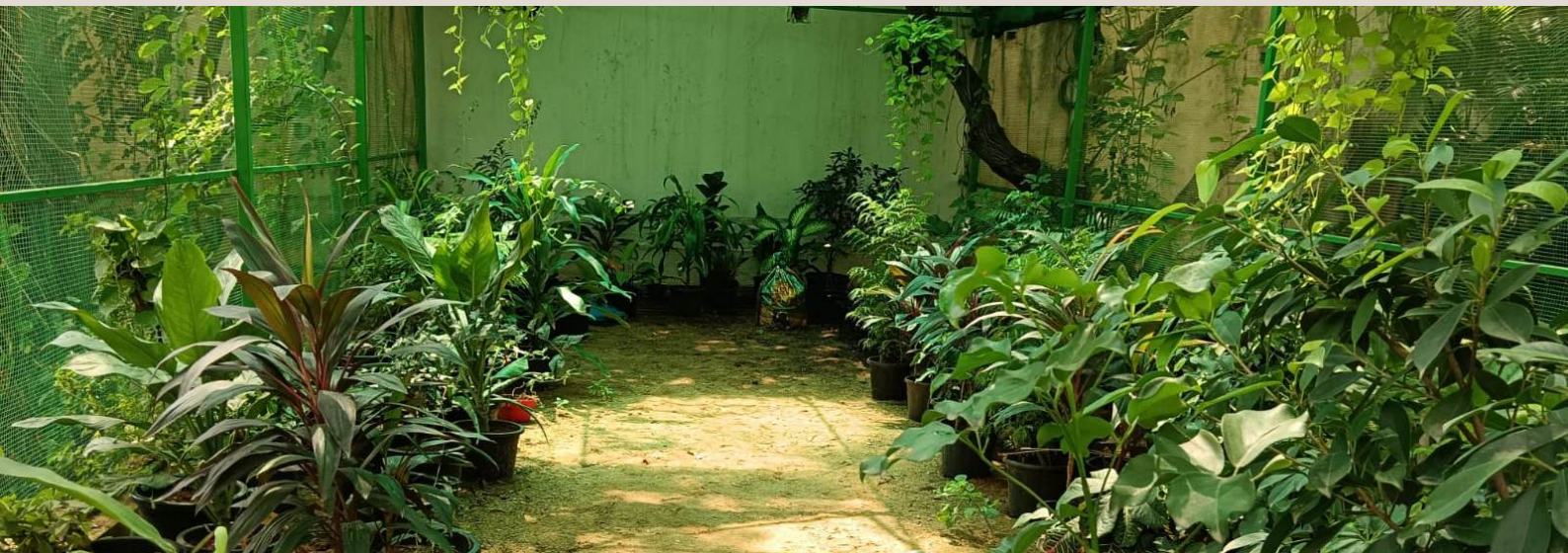


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<https://fsh.srmp.edu.in/department-of-biotechnology/>

# From The Editorial Desk ...



## WELCOME TO OUR Department Newsletter

We are happy to bring our first issue of BioTalk, Department of Biotechnology's Biannual Newsletter, giving a highlight of various activities and events that have been taken place since 2019. The editor's team wishes to thank everyone who contributed to this publication. We appreciate your support and feedback. We hope going through this newsletter is as enjoyable for you as it is for us bringing it to you.



Enjoy the reading!

### In this newsletter you will find:

↓ **Programmes offered, Faculty details, Publications, Achievements,  
↓ Events, Student placements, MOU signed and More. Keep Reading!**

## About the Department

- The Department has started with a vision to impart spearhead research and educational programs in the field of Biotechnology and Allied Sciences
- Since 2019, the Department has encouraged the young, creative and innovative minds in the field of Biotechnology leading to the significant contribution for the betterment of humankind
- Research papers have been published in peer reviewed high impact factor international journals, and papers were presented in National and International conferences
- The Department has high-quality learning environment for the undergraduate students with an aim to power post-graduate and research programs in their near future



## Our Vision

- Creating the most conducive environment for imparting quality education in Biotechnology
- Contributing effectively to produce globally competent quality professionals in the field of life science
- Contributing towards preparing young minds to serve community

## Our Mission

- Impart student's essential knowledge and skills required for a successful career in life science
- Instill confidence in the students to take up new challenges by grooming them appropriately
- Inculcate in the students a sense of commitment to professional ethics, moral values with emphasis on team work and leadership qualities
- Instill the students with a clear awareness of environmental issues and their relevance to their profession
- Impress upon the students the impact of their work on the nation's economic and social progress

# ■ Programmes Offered

## Doctoral Programme:

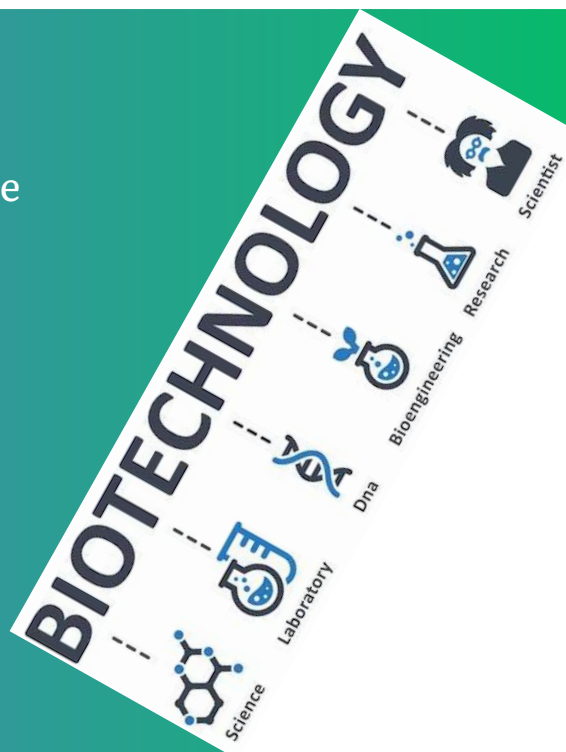
Ph.D., Biotechnology - Full time & Part time

## Post-Graduate Programme:

M.Sc., Biotechnology – 2024 onwards

## Under-Graduate Programme:

B.Sc., Biotechnology – Since 2019



# ■ Salient Features

01

OBE, Research & industry oriented curriculum, Proficient faculties  
Pedagogical initiatives, ICT integration in teaching and learning,  
Scholarship for meritorious students

02

State-of- Art infrastructure, Adequate lab facilities, Opportunities for  
research connectivity and internships, partnerships, and worldwide  
exposure through immersion programmes with domestic and  
international organisations

03

Providing in-lab practical experience and research-focused interaction.  
Career development courses for the improvement of professional skills  
through job-oriented mentorship

04

Engaging students in extra-curricular activities through clubs such as  
"Journal club," "Bioconsortium club" and "Biorhythmos club"

# Faculty Details

Faculty of  
BIOTECHNOLOGY



## Dr. M. Kamaraj

### Associate Professor & Head

**Qualification:** M.Sc., M.Phil., Ph.D., PGDNT, MBA, PGDEAS

**Specialization:** Environmental Biotechnology,  
Nanotechnology, Microbial Technology

Total publications: 95

Total citations: 1874

H-Index: 21



## Dr. S. Suresh

### Assistant Professor

**Qualification:** M.Sc., Ph.D.,

**Specialization:** Biochemistry, Enzyme and Food technology,  
Biofuel

Total publications: 24

Total citations: 295

H-Index: 10



## Dr. G. Priya

### Assistant Professor

**Qualification:** M.Sc., M.Phil, Ph.D.,

**Specialization:** Molecular Biology, Biodiversity and  
Conservation, Pharmacology

Total publications: 15

Total citations: 39

H-Index: 4

# Faculty Details

Faculty of  
BIOTECHNOLOGY



## Dr. G. Rajendran

**Assistant Professor**

**Qualification:** M.Sc., Ph.D.,

**Specialization:** Nanobiotechnology, Plant and Animal Biotechnology

Total publications: 11

Total citations: 173

H-Index: 6



## Dr. R. Vinoth Kumar

**Assistant Professor**

**Qualification:** M.Sc., Ph.D., PDF., NET

**Specialization:** Plant Molecular Biology, Virology

Total publications: 22

Total citations: 663

H-Index: 13



## Dr. A. Ancy Jenifer

**Assistant Professor**

**Qualification:** M.Sc., Ph.D.,

**Specialization:** Environmental Biotechnology, water and solid waste eco-remediation

Total publications: 13

Total citations: 47

H-Index: 4



# PUBLICATIONS



Q1: 20; Q2:9

SCI/SCIE

29

Impact factor range

1-11

SCOPUS

4

Cumulative impact factor

185

Number of reference book with ISBN Faculty contribution

4

Total citations of paper published

390

Number of book chapters by students

14

Number of publications by students

2

Bioresour. Technology 319 (2021) 124193

Contents lists available at ScienceDirect



IF: 11.8

Bioresour. Technology

journal homepage: www.elsevier.com/locate/biortech



High potential of *Rhizopus* treated rice bran waste for the nutrient-free anaerobic fermentative biohydrogen production

Chemosphere 312 (2023) 137219

Contents lists available at ScienceDirect



IF: 8.94

Chemosphere

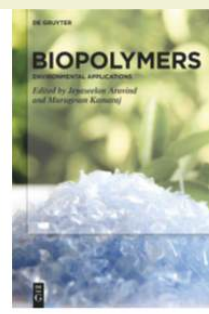
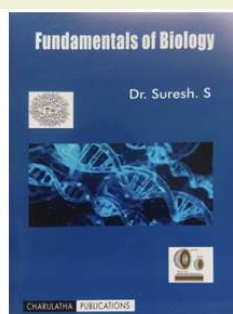
journal homepage: www.elsevier.com/locate/chemosphere



Carbon-based nanomaterial intervention and efficient removal of various contaminants from effluents – A review

33

Total number of publications



# INTERNSHIPS / TRAININGS



22

Number of internships completed by students



**Mr. KAILASH P. RAJPUROHIT**  
(RA2231001020049)  
Internship at **NATIONAL CENTRE FOR POLAR AND OCEAN RESEARCH**, Vasco-da-Gama, Goa.



**Mr. S. GOPINATH**  
(RA2231001020050)  
Internship at **INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY**, Guwahati, Assam.



**Mr. V.L. VIBASH KALYAAN**  
(RA2231001020048)  
Internship at **INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY**, Guwahati, Assam.



## Our Scientific Network

### Regional

- Indian Institute of Technology ,  
Mardas (Chennai)
- University of Madras (Chennai)
- Anna University (Chennai)
- Pondicherry University  
(Pondicherry)
- Bharathiar University  
(Coimbatore)
- Bharathidasan University  
(Trichy)
- Mother Teresa Women's  
University (Kodaikanal)
- Dr. MGR Fisheries College and  
Research Institute  
(Thalainayeru)

### National

- Manipal Institute of  
Technology (Karnataka)
- Banaras Hindu University  
(Uttar Pradesh).
- University of Kerala, (Kerala)
- University of Hyderabad  
(Telangana)
- National Institute of  
Technology Calicut (Kerala).
- Central University of Gujarat  
(Gujarat)
- Guru Nanak Dev University  
(Punjab)

### International

- INTI International University (Malaysia)
- University of Helsinki (Finland)
- Aurburn University (USA)
- National Renewable Energy Laboratory (USA)
- Addis Ababa Science and Technology University (Ethiopia)
- Shandong University of Technology (China)
- Cardiff University (United Kingdom)
- Specialized Medical Solution WLL (Qatar)
- Bayero University (Nigeria)

# INDUSTRIAL VISITS



Students were taken on industrial visits as an essential component of their education, giving them exposure to the real world and practical experience while bridging the gap between their theoretical understanding and actual exposure. They had the opportunity to interact with highly skilled and knowledgeable staff members and view and experience actual workstations, plants, machinery, systems, and assembly lines. The primary educational benefit of industry visits is the advancement of technical expertise.



**MOHAN BREWERIES AND DISTILLERIES LTD, CHENGALPATTU**

Participants:  
III B.Sc., Biotechnology  
Batch : 2020 - 2023

**AVIN MILK PROCESSING UNIT, AMBATTUR, CHENNAI**

Participants:  
II B.Sc., Biotechnology  
Batch : 2021 - 2024



**SYNKROMAX BIOTECH, ATHIPATTU, THIRUVALLUR**

Participants:  
II B.Sc., Biotechnology  
Batch : 2022 - 2025



**KNISS LABORATORIES PVT LTD, GERUGAMBAKKAM, CHENNAI**

Participants:  
II B.Sc., Biotechnology  
Batch : 2022 - 2025

# FACULTY INDUSTRIAL IMMERSION PROGRAMME

The goal of the Faculty Industrial Immersion Programme (FIIP), a professional development initiative, is to bridge the knowledge gap between academia and business. Through this course, faculty members are exposed to real-world scenarios and practical applications in their profession. Through the incorporation of this understanding into their instructional strategies, teachers can improve the significance and utility of their lessons for students.



**AEIMPON FOOD PRODUCTS PVT  
LTD, IYYAPPANTHANGAL,  
CHENNAI**

**MICRO-THERAPEUTICS RESEARCH  
LABS PVT LTD, CLINICAL  
RESEARCH ORGANIZATION,  
CHENNAI**



# RESEARCH ACTIVITIES

Our students participated in project day activities and won the competition at various levels of excellence along with mentorship received from our faculties



Secured First runner up in Project day 2020-2021



Secured Second runner up 2022-2023



Won First prize Project day 2023-2024



Secured First runner up 2023-2024



Students participated in project day 2023-2024

# EVENTS ORGANISED



19

Brand Building/  
Seminars

3

International  
Conferences

18

Skill  
Development  
programmes

10

Club Activities



2

National  
Conferences

10

Special Day  
Events

1

Outreach  
Programme





# Achievements



In addition to their studies, our students demonstrated their mastery of extracurricular activities through a variety of accomplishments, including athletics, dance, art, conference presentations, and research displays.



Jaishree & Aishwarya:  
Best Paper  
(Second Prize)

Prizes	14
Internships	22
Webinars/Seminars/ Online course	52
Conference Presentations	17
Project Display	10
Sports and Clutural	9
International visit	10



Chezhiyan:  
Third Prize in  
South India  
bodybuilding  
contest



Keerthivasan:  
Third Prize in South  
Indian Karate  
Chambionships -  
2023

Leah Teresa Joseph &  
Madhusree:  
First Prize in  
International Women's  
Day Painting  
competition



Mahalakshmi:  
Bronze Medal in Tamil  
Nadu State Boxing  
Championship for Elite  
(Women - 2022)



S. Hemavarshini

Event: Innovative Product/App; Prize: First; Cash: Rs.10000/-

Anju Iswarya

Event: Poster Presentation; Prize: I, Cash: Rs.7000/-

Amritha

Event: Poster Presentation; Prize: III; Cash: Rs.1500/-





# Faculty Achievements



**Dr. M. Kamaraj, Associate Professor & HoD,  
RSRI BEST RESEARCHER AWARD**



**Dr. S. Suresh, Assistant Professor:  
Visited NIT Calicut and finished  
the one-week GIAN course**

**Dr. G. Rajendran, Assistant Professor:  
Chair person in BEAT-2024, HCAS,  
Kelambakkam, Chennai**



**Dr. S. Suresh, Assistant Professor:  
Young Scientist Award**

**Dr. G. Priya, Assistant Professor:  
FIRST prize (Oral Presentation) in an  
International Conference**



**Dr. M. Kamaraj, Associate Professor & HoD:  
Invited as a resource person in the  
Muthayammal Engineering College**

# EXTENSION ACTIVITIES

Extension activities were carried out by our department as an effective means of improving education, encouraging critical thinking, and developing community involvement



Green Investment

Mushroom Cultivation



Green House

International student's visit-Malaysia (2023-2024)



# MEMORANDUM OF UNDERSTANDING



**UNISA, MALAYSIA**

Department of Biotechnology has  
signed a MoU with UNISA, Malaysia  
on 07.08.2023



**BIOZONE PVT LTD, CHENNAI**

Department of Biotechnology has signed  
a MoU with Biozone Pvt Ltd on 31.03.2021



**HUBERT ENVIRO CARE LIMITED, CHENNAI**

Department of Biotechnology signed a  
MoU with Hubert Enviro Care Ltd,  
Chennai on 30.09.2021



**APEX BIOTECHNOLOGY TRAINING  
AND RESEARCH INSTITUTE, CHENNAI**

Department of Biotechnology signed an  
MoU with Apex Biotechnology Training and  
Research Institute on 13.03.2024



# ALUMNI

Our potential learners have secured their next level of education and placements in reputable organisations, allowing us to bring together past students on a single platform to enable the sharing of skills, knowledge, and experiences among each other. In addition to being in touch, our alumni's actively involve in the department events and its progress.



**Mr. P. Mugilan**

AY: 2020-2023

Higher Studies  
Post Graduation  
University Of Strathclyde  
Glasgow, Scotland, United  
Kingdom



**Ms. Dhivyadharshini**

AY: 2019-2022



Computer-Assisted Coding Professional



**Ms. Kanishka Suresh**

AY: 2021-2024

Zifo RnD Solutions  
CTC ₹ 4.254 LPA



**Ms. Ishita Saha**

AY: 2021-2024

Zifo RnD Solutions  
CTC ₹ 4.254 LPA



Adding Health to Life...



**Mr. S. Arun Kumar**

AY: 2019-2022

Higher Studies  
Post Graduation  
University of Madras



**Ms. D.Pooja**

AY: 2019-2022

Higher Studies  
Post Graduation  
University of Madras



**Mr. K. Abishek**

AY: 2020-2023

Higher Studies  
Post Graduation  
Aladappa University,  
Karaikudi, Tamil Nadu,  
India



**Mr. Damien Anthony Greenwood**

AY: 2019-2022

