

# NEW PRINCE SHRI BHAVANI ARTS & SCIENCE COLLEGE

Affiliated to University of Madras, Accredited by NAAC with 'A' grade, ISO 9001:2015 Certified  
Patel Road, Medavakkam, Chennai-100



The Bachelor of Science in Biotechnology is a 3-year undergraduate course that involves an in-depth study of a biological process that is meant for industrial purposes like genetic manipulation of microorganisms to produce antibiotics, hormones, etc. used in medicine production and other such purposes. In the Department of Biotechnology, our aim is to impart quality education to budding Biotechnologists and promote strong interdisciplinary research in frontier areas of Biotechnology and life sciences.



**DR.N.SANTHI**  
Head & Associate  
Professor  
Department of Biotechnology

I am very delighted to present the eighth issue of the newsletter "Biotech Occasions" of Biotechnology Department. I hope the newsletter will serve as an interface between the college and outside world. This newsletter provides specialized information about academic and co-curricular activities organized in the Department during the academic year of 2024 - 25. I am happy to note that various initiatives are taken by the department to disseminate knowledge by organized to keep updated with the latest development in the field of Biotechnology. I congratulate all the faculty and students who have contributed to these newsletters and also appreciate all faculty members for motivating their students.

## About The Department

Department of Biotechnology was established in Department of Biotechnology was established in 2005. Biotechnology is concerned about generating useful products by controlled use of biological agents such as microorganisms and cellular components. Biotechnology is a multidisciplinary field that includes disciplines like microbiology, biochemistry, genetics, cell biology, molecular biology, immunology, cell and tissue culture, and physiology. In the Department of Biotechnology, our aim is to impart quality education to budding biotechnologists and promote strong interdisciplinary research in frontier areas of biotechnology and life sciences.

The Department has designed dynamic and focused curriculums to develop a well-trained manpower in biotechnology for academic / industrial / pharmaceutical applications as well as research perspectives. The curriculums also focus on inculcating ethical and moral values in students. Students are motivated to actively participate in seminars, symposiums, conferences and workshops. The Department has well-equipped laboratories to provide hands-on training and research exposure to the students. The Department has highly qualified faculty with doctoral research experience.

### VISION

**Providing graduates equipped with excellent theoretical knowledge and practical skills and promoting scientific research and community service.**

### Mission

**The Department mission is to give students an education that combines a comprehensive academic study with intensive practical training in an environment that is dynamic and productive of research.**

#### WHAT'S INSIDE

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## ***ADD ON COURSE/SHORT TERM COURSE ORGANIZED BY THE DEPARTMENT***

A short term course (more than 30 hours) conducted on Haematological Techniques & Bio manure Production for the students of Second and Third year during the month of June 2024 and Microbial Screening course was conducted for I & III years in the month of September 2024. Course completion certificates issued at the end of the course month of September 2024. Course completion certificates issued at the end of the



### **STAFFS PATENT & PUBLICATION**

- 1. Dr.N. Santhi, Dr.S. Revathi Chitra and Dr.P.Parameswari** Applied for a Design **Patent:** in collaboration with Shrimath Indira Gandhi College, Tiruchy.
- 2. Dr.S. Revathi Chitra** has published a paper in Scopus Indexed journal.

## ***INTRA DEPARTMENTAL ACTIVITIES***

Department of Biotechnology conducted an Intra departmental competition in associate with IQAC entitled on “Molecular Biotechnology” of the competitions Poster Presentation on 21.08.24.

Department of Biotechnology conducted an Intra departmental competition as Scientist behind Life in associate with IQAC on 07/02/2025.



## ***PARENT TEACHER MEET***

Parent Teacher meet was held for all students on 17/08/2024

Parent Teacher meet was held for all students on 15/03/2025

## **MENTOR MEET PROGRAMME**

The odd semester mentor session was held on 09.10.2024 & 12.10.2024

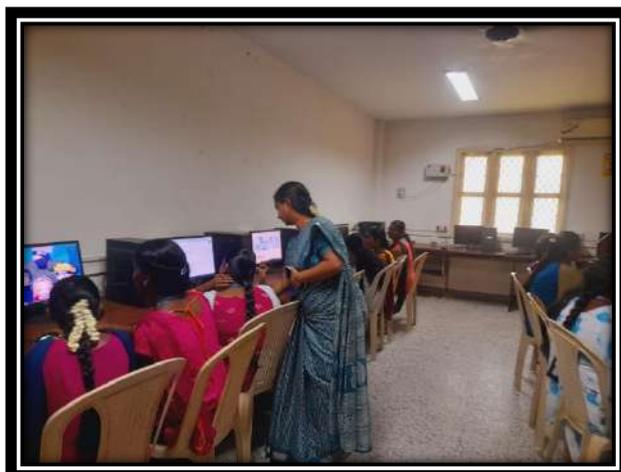
The even semester mentor session was held on 01.03.2025 & 04.03.2025

### ***WORKSHOP AND SEMINAR ORGANIZED***

A Health Awareness Seminar on “Love your Liver and Live Longer” commemorated on World Hepatitis Day presented by Dr. Narayanan seshan M.D, Senior Assistant Professor of Forensic Medicine, Government Stanley Medical College, Chennai on 29/07/2024 at 10.00am



A Workshop on Molecular Docking Analysis 19/08/2024” presented by Mrs. P. K. Dhanalakshmi, Assistant Professor, Department of Biotechnology, SRM Arts and Science College, Kattankulathur, Chennai, on 19.08.2024



A Seminar on “Photobiomodulation and Its Applications in Diabetic Wound Healing” by Dr Sathish Sundar Dhilip Kumar PhD Researcher/ Senior Lecturer, Laser Research Centre, NRF SARChI Chair: Laser Applications in Health, Faculty of Health Sciences, University of Johannesburg, South Africa on 3/01/2025



## ***INTERNSHIP PROGRAMME***

The II Year B.Sc Biotechnology students attended 15days online programme on Bioinformatics Internship and Certificate course Programme at Institute of Innovations, Thiruvannamalai during 16/09/2024 to 30/09/2024.

The III Year B.SC Biotechnology students were 15days online Internship and Certificate Course Pharmaceutical Biotechnology Programme at Institute of Innovations, Thiruvannamalai. The Programme is scheduled from from 12/08/2024 to 26/08/2024.

The III Year B.SC Biotechnology students were allowed to attend the 15 days Internship and Certificate programme on Food Technology at Avigen Biotech Laboratory, Chennai from 26/11/2024 to 07/12/2024.



## EXTENSION ACTIVITY

Department of Biotechnology organize an awareness rally on “International Plastic Bag Free Day” to students of our college as a part of extension activity at our College premises on 03/07/2024”.



## INDUSTRIAL VISIT

An Industrial visit to Parle Biscuits Private Limited at Madhavaram on 8/01/2025 for the Life Science Students.



## **STAFF ACTIVITY**

S. No	Staff Name	Date	Event/ FDP/ Workshop/ Seminar	Topic	Venue/Organizer
1	<b>DR.P.PARAMESWARI</b>	27.08.2024 to 31.08.2024	FDP	Five day virtual faculty development program on Frontiers in Biotechnology	Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology
2	<b>DR.P.PARAMESWARI</b>	24.09.2024	ORAL PRESENTATION	In Vitro Anti-Bacterial, Anti-Fungal Activity And Phytochemical Analysis Of Artemisia Nilagirica (Clarke) Pamp By Using Colo320 Cell Line	An International Conference on "Recent Trends in Microbiology" by Department of Microbial Technology, School of Biological Sciences, Madurai Kamaraj University, Madurai-21
3	<b>DR.P.PARAMESWARI</b> <b>DR. N. SANTHI</b>	27.09.2024	NATIONAL SEMINAR	National Seminar on Exploration of Science behind phytochemicals characterization and commercialization of medicinal plants	Department of Biotechnology, Rathinam College of Arts & Science
4	<b>DR.P.PARAMESWARI</b>	27.09.2024	ORAL PRESENTATION	In vitro antioxidant analysis Of Artemisia Nilagirica (Clarke) Pamp	An International Conference on "Interdisciplinary Approaches in Biological Sciences for Innovation Research - ICIBIR 2024" by PG Research Department of Microbiology and Department of Biotechnology, Shrimati Indira Gandhi College, Tiruchirappalli

5	<b>DR.P.PARAMESWARI</b>	28.11.2024 & 29.11.2024	ORAL PRESENTATION	Evaluation of anticancer activity and phytochemical screening of isolated bioactive compound of Quercetin from Artemisia nilagirica (Clarke) Pamp by colon cancer cell lines-in vitro	National Conference on "Current Trends in Marine Biotechnology from Sustainable Bioresources for the Emerging Bioeconomy" - (MBBS-2024) by Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology
6	<b>MRS.P.K.DHANALAKSHMI</b>	03.02.2025 & 04.02.2025	ORAL PRESENTATION	Biosynthesis of Zinc Oxide Nanoparticles using Seaweeds	4th International Conference on Advances in Biotechnology - "Microbial Innovations for a Sustainable Future" 2025 by Post Graduate Department of Biotechnology, Vaishnav College
7	<b>DR.P.PARAMESWARI</b>	03.02.2025 & 04.02.2025	ORAL PRESENTATION	Anti-Inflammatory and Antimicrobial activity of Artemisia nilagirica (Clarke) Pamp - in vitro	4th International Conference on Advances in Biotechnology - "Microbial Innovations for a Sustainable Future" 2025 by Post Graduate Department of Biotechnology, Vaishnav College
8	<b>DR. S. REVATHI CHITRA</b>	03.02.2025 & 04.02.2025	ORAL PRESENTATION	Review on Spirulina - A Type of Cyanobacteria and its Application	4th International Conference on Advances in Biotechnology - "Microbial Innovations for a Sustainable Future" 2025 by Post Graduate Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav College
9	<b>DR. N. SANTHI</b>	03.02.2025 & 04.02.2025	ORAL PRESENTATION	Mushrooms: Unlocking their nutrients potential	4 <sup>th</sup> International Conference on Advances in Biotechnology -

				and health benefits	"Microbial Innovations for a Sustainable Future" 2025 by Post Graduate
10.	<b>DR.P.PARAMESWARI</b>	04.03.2025	ORAL PRESENTATION	Collection, Isolation, Morphological and Molecular characterization of the Microalgae	8 <sup>th</sup> National Conference on synergizing sustainable innovations and climate actions” organized by PG Department of Biotechnology, Alpha Arts and Science College, Porur, Chennai

## **STUDENTS ACTIVITY**

S. No.	College Name	Date	Event Name	Student Name	Class	Status
<b>1.</b>	Institute of Innovations Council (Registered MSME, Govt of Tamilnadu) and Department of Biotechnology, Sri Venkateswara College of Engineering	12/08/24 to 26/08/24	15 days Online Internship and certificate course on Pharmaceutical Biotechnology Programme	Maghlin Ciproal.X	<b>III Year</b>	Participated & Course completion Certificate
				Gandhi Mathi.S		
				Sujitha.S		
				Nirosha.S		
				Sakthipriya.K		
				Vinoth.U		
<b>2.</b>	Institute of Innovations Council (Registered MSME, Govt of Tamilnadu) and Department of Biotechnology, Sri Venkateswara College of Engineering	13/09/24 to 30/09/24	15 days Online Internship and certificate course on Bioinformatics Programme	Sakthipriya.K	<b>III Year</b>	Participated & Course completion Certificate
				GandhiMathi.S		
				Sujitha.S		
				Vinoth.U	<b>II Year</b>	
				M.Velan		
				Seetha.P		
				Priyanka.R		
Sathyavathy.M						

3.	Rathinam College of Arts and Science College	27/09/24	National Seminar	Sathyavathy.M	II Year	Participated
				Seetha.P		
				Priyanka.R		
				M.Velan	III Year	
				Sakthipriya.K		
				Maghlin		
Ciproal.X						
4.	Avigen Biotech Pvt.Ltd	26/11/24 to 05/12/24	10 days Internship Training on Food Safety and Microbial Analysis	Gandhi Mathi.S	III Year	Participated
				Sujitha.S		
				Nirosha.S		
				Sakthipriya.K		
				Maghlin X		
				Vinoth		
				Sanjay Ram		
5.	DG Vaishnav College	03/02/25 to 04/02/25	4 <sup>th</sup> International Conference	Seetha.P	II Year	Participated
				M.Velan		
				Priyanka.R		
				Sathyavathy.M		
				Sowmiya.V	I Year	
				Vinusri.S		
				Gokul Raj.M		
				Valarmathi.P		
6.	Alpha Arts and Science College	04/03/2025	8 <sup>th</sup> National Conference on Synergizing Sustainable Innovations and Climate Actions	Vinoth.U	III Year	Presented
				Seetha.P	II Year	
				Priyanka.R		
				Sathyavathy.M		
				Gokul Raj.M	I Year	