

# 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 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 2023 – 24. 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.

**“True Education is about teaching how to think, not what to think”.**

*Albert Einstein*

## About The Department

**Department of Biotechnology was established in 2005. The Department aims to impart quality Training with distinctive proficiency of merging Engineering principles with biological systems. 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. 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**

### Mission

**The Department's mission is to give students an education that combines a comprehensive academic study with intensive**

### 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 Third year during the month of July 2023 and Microbial Screening & Haematological Techniques course was conducted for I & III years in the month of August 2023. Course completion certificates issued at the end of the course.*



### ***Alumni Activity***

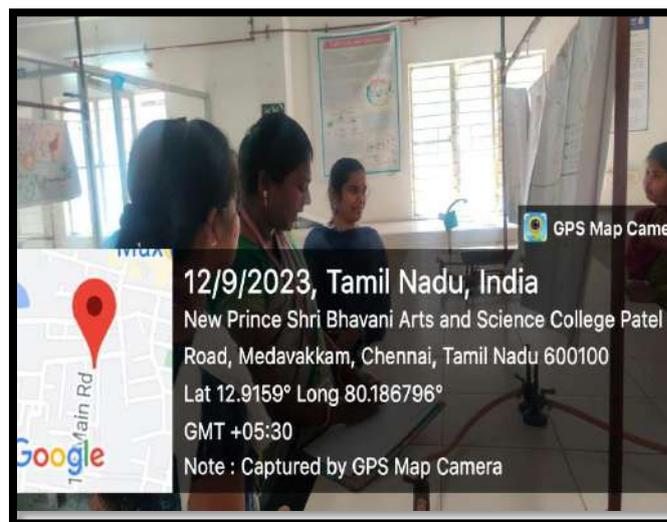
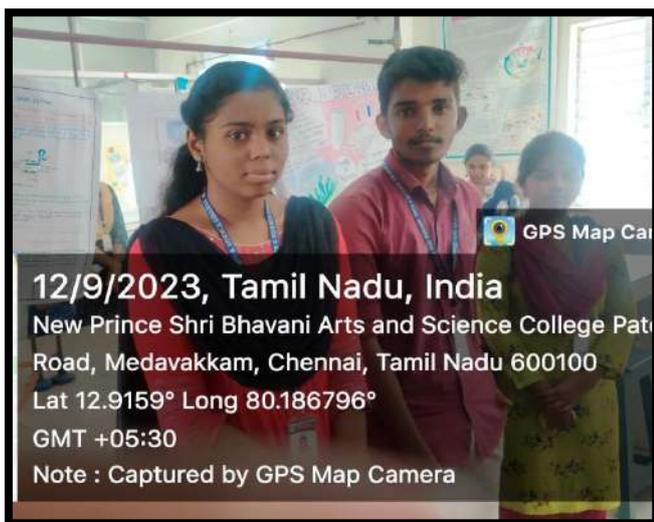
**An alumni talk was held in the department on 12.03.23. Two alumni **M.Lokeshwari & S.Manisha** interacted with the students about “**Higher Studies & Carrier Opportunities in Biotechnology**”.**



## ***INTRA DEPARTMENTAL ACTIVITIES***

Department of Biotechnology conducted an Intra departmental competition in associate with IQAC entitled of the competitions Poster Presentation on 12.09.23

Department of Biotechnology conducted an Intra departmental competition as E-quiz to commemorate “World Cancer Day” through online mode in associate with IQAC on 04.02.2024.



## ***Workshop and Seminar Organized***

**Workshop on “Southern Hybridization Technique” presented by P. K. Dhanalakshmi, Assistant Professor, Department of Biotechnology, SRM Arts and Science College, Kattankulathur, Chennai on 20.07.2023**



**A Skill Development Seminar on “Earn While Learn” presented by Dr. C. Sriram, Director, Bionyme Laboratories, Chrompet, Chennai, on 26.09.2023**



**A Seminar on “Cancer Etiology, Signs & Symptom” presented by Dr. D. Sankari., M.SC., M.Phil., Ph.D., Associate Professor & Head, Department of Biotechnology, College of Science & Humanities, SRMIST, Kattankulathur on 21.02.2024**



## *Internship Programme*

**The III Year B.SC Biotechnology students were allowed to attend the internship programme at Bionyme Laboratories, Chrompet, Chennai from 05.02/2024 to 17/02/2024 (15 days).**



## *Industrial Visit*

**An Industrial visit to Offer Nallayan Spirulina Research Centre at Natham, Chennai was organized on 24.02.2024 for the Life Science Students.**



## EXTENSION ACTIVITY

**Department of Biotechnology conducted an awareness programme about “Deforestation and Afforestation awareness programme” to the Students of Christ King’s Girls Higher Secondary School, East Tambaram” on 11.08.2023.**



### **Mentor Meet programme**

The odd semester mentor session was held on 11.09.2023 & 25.10.2023

The even semester mentor session was held on 29.01. 2024 & 01.03.2024.

## **Staff Activity**

S. No	Staff Name	Date	Event/ FDP/ Workshop/ Seminar	Topic	Venue/Organizer
1	Dr. N. Santhi	05.06.2023 to 09.06.2023	FDP	'Outcome Based Education'	Tamil Nadu Teachers Education University & Dr. M. G. R Educational Research Institute Chennai
2	Dr.N.Senthil Kumar	05.06.2023 to 09.06.2023	FDP	'Outcome Based Education'	Tamil Nadu Teachers Education University & Dr. M. G. R Educational Research Institute, Chennai
3	Dr. N. Santhi Dr. S. Revathi Chitra	20.06.2023	Webinar	Innovations in AI for all industries	Institution Innovation Council and Department of Mechanical Engineering, Annapoorna Engineering College, Salem
4	Dr. N. Santhi	05.07.2023 & 06.07.2023	Virtual Seminar	Holistic and Multidisciplinary Approach towards National Higher Education Quality	Cauvery College for Women (Autonomous), Trichy
5	Dr. S. Revathi Chitra	05.07.2023 to 07.07.2023	Oral Presentation	In vivo breast cancer study of Fucoidan on Sprague Dawley rats	Centre for Ocean Research, Sathyabama Research Park, Sathyabama Institute of Science and Technology
6	Dr. N. Santhi	07.07.2023 to 13.07.2023	FDP	"Upskill your Resources" (Under UGC Autonomy Grant)	Department of Business Administration (SF), Ayya Nadar Janaki Ammal College, Sivakasi

7	Dr. P. Parameswari	17.07.2023 to 21.07.2023	FDP	PCR technology course	Tamil Nadu Skill Development, Corporation, Government of Tamil Nadu through Naan Mudhalvan Program held at Madras
8	Dr. P. Parameswari	25.07.2023	Virtual Course	Biodiversity's PCR technology course	Naan Mudhalvan- Biversity, University of Madras
9	Dr. N. Santhi	26.07.2023	Virtual Seminar	Mangrove as the world's green lung in the face of Climate Change	Mohamed Sathak College of Arts and Science
10	Dr. N. Senthil Kumar				
11	Dr. N. Santhi	28.07.2023	E-Quiz	Hepatitis Day	Department of Biotechnology, Srimad Andavan Arts and Science College (Autonomous), Tiruchirapalli

### **Staff paper publication**

<b>S.no</b>	<b>Topic</b>	<b>Name of the Authors</b>	<b>Dept</b>	<b>Journal</b>	<b>Year of Pub</b>	<b>ISSN</b>
1.	<b><i>In silico Molecular Docking studies of Quercetin compound of Artemisia nialgirica against antiinflammator protein Madk-14 receptor and anticancer proteins Sgk-1 receptor</i></b>	<b><i>Parameswari.P &amp; Devika.R</i></b>	<b><i>BT</i></b>	<b><i>Indian journal of Natural sciences</i></b>	<b><i>Nov-2023</i></b>	<b><i>0976-0997</i></b>

## **Students Activity**

S. No.	College Name	Date	Event &Event Name	Student Name	Class	Status
1	Institution Innovation Council and Department of Mechanical Engineering, Annapoorna Engineering College, Salem	20.06.2023	Webinar on Innovations in AI for all industries	Jayasheela.S	III	Participated
				Devi.S		
				Dass.R		
				Anitha.V		
2	Mohamed Sathak College of Arts and Science	26.07.2023	Virtual Seminar on Mangrove as the world's green lung in the face of Climate Change	Priyanka.R	I	Participated
				Sathyavathy.M		
				Velan.M		
				Sakthipriya.K	II	
				Nirosha.S		
Sujitha.S						
3	Mohamed Sathak College of Arts and Science	26.07.2023	Virtual Seminar on Mangrove as the world's green lung in the face of Climate Change	Usha.C	III	Participated
				Anitha.V		
				Jayasheela.S		
				Bakiyalakshmi.L		
				Nithya.L		
4	Department of Biotechnology, Srimad Andavan Arts and Science College (Autonomous), Tiruchirapalli	28.07.2023	E-Quiz on Hepatitis Day	Vinoth.U	II	Participated
				Sanjayram.S		
				Sakthipriya.K		
				Gandhimathi.S		
				Nirosha.S		
				Bakiyalakshmi.L	III	
5	PG and Research Department of Microbiology, Mohamed Sathak College of Arts and Science, Chennai	20.09.2023	Workshop on Biopiracy of microbes in marine and terrestrial domains & workshop on biofertilizer production	Priyanka.R	I	Participated
				Yogeshwari.R.S		
				Sathyavathy.M		
	PG and Research Department of Microbiology, Mohamed Sathak	20.09.2023	Workshop on Bio piracy of microbes in marine and terrestrial domains	Gandhimathi.S	II	Participated
				Sakthipriya.K		
				Sanjayram.S		

6	College of Arts and Science, Chennai		& workshop on biofertilizer production	Maglin Ciporal.X		
				Sujitha.S		
				Vinoth.U		
7	PG and Research Department of Microbiology, Mohamed Sathak College of Arts and Science, Chennai	21.09.2023 & 22.09.2023	2nd International Conference on "Unravelling therapeutic resources from Nature's treasure"	Priyanka.R	I	Participated
				Gandhimathi.S	II	Participated
				Dass.R	III	Participated
				Anitha.V		
				Bakiyalakshmi.L		
8	Department of Biotechnology in association with IQAC in observation of "World Food Day", St. Joseph's College of Arts and Science	16.10.2023	Webinar on Water is Life, Water is Food"	Dhanush.M	I	Participated
				Pasupathy.S		
				Sathyavathy.M		
				Seetha.P		
				Priyanka.R		
				Sanjayram.S	II	
				Maglin Ciporal.X		
9	PG department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav College	15.12.2023	T-Shirt Painting an ntercollegiate event, Techno saviour 2023"	Bakiyalakshmi.L	III	Participated
				Anitha.V		
10	PG Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav College	15.12.2023	Secret Shinding (Surprise Event) an Intercollegiate event, "Techno saviour 2023"	Nithya.L	III	Participated
				Usha.P		
				Devi.S		
11	Alpha Arts and Science College	02.03.2024	2 <sup>nd</sup> International Conference on role of biomaterials in biological sciences	Seetha.P	I	Oral Presentation
				Priyanka.R		

