

# **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 2022 - 23. 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. 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 service

### Mission

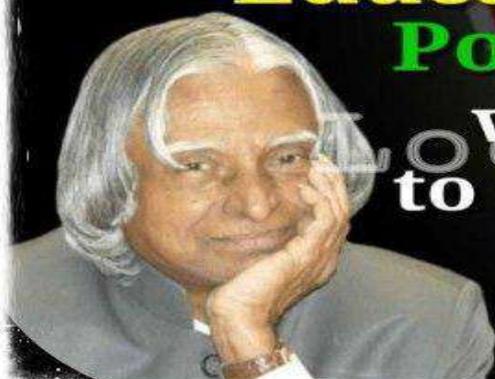
The Department's mission is to give students an education that combines a comprehensive academic study with intensive practical training in an environment that is dynamic and productive of research

### WHAT'S INSIDE *Department Vision & Mission*

- Events Organized
- *Add On Course*
  - *Alumni Talk*
  - *Inter Competitions*
  - *Intra Competitions*
  - *Webinars/Virtual Workshop*
  - *Internship*
  - *Industrial Visit*
  - *Extension*

## **Add on course/Short term course organized by the Department**

**A short term course (more than 30 hours) conducted on, *Haematological Techniques & Biomanure Production* for the students of second year respectively during the month of August 2022 and Microbial Screening course was conducted for I & III years in the month of September 2022. Course completion certificates issued at the end of the course.**



**"Education is the most  
Powerful Weapon  
which you can use  
to change the world."**

**~ APJ. Abdul Kalam**

## Alumni Activity

An alumni talk was held in the department on 10-03-23. Two alumni E.Komathi (Gold medallist) interacted with the students about “Higher Studies & Carrier Opportunities in Biotechnology”. The main aim of this event is helping them to achieve their desired career options or acquiring their professional goals.



## Inter collegiate Activity

Department of Biotechnology & IQAC jointly conducted a Poster/Model Presentation, Brushless Painting, & Eco-Friendly Jewel Making Inter Collegiate competition on National Science Day 28-02-2023.



# Intra Departmental Activities

Department of Biotechnology conducted an Intra departmental competition in associate with IQAC entitled of the competitions **ADZAP & JAM on 25.01.23.**



# Intra Departmental Activities

Department of Biotechnology conducted an Intra departmental competition in associate with IQAC entitled of the competitions **Egg Shell Painting and Vegetable curving on 13.09.22.**

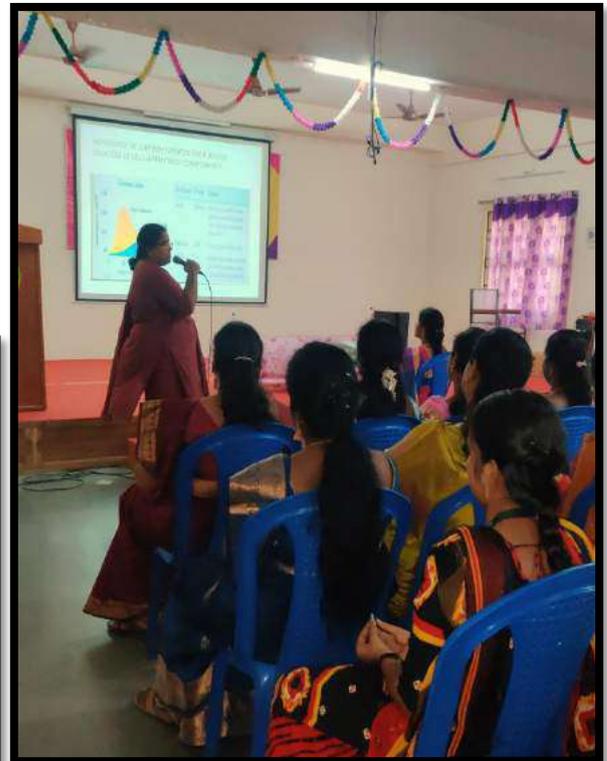


## SEMINAR & WORKSHOP

**A Seminar on “Fundamentals of Bioinstrumentation Technology” presented by Dr. B. Thendral Hepsibha, Assistant Professor, Department of Biochemistry, Ethiraj College for women on 27/09/2022**



**A Seminar on “Awareness of nutrition and health knowledge and its influencing factors” presented by Dr.S.Rhevathy, MBBS, Family Physician, Nalam Clinic & Diabetes Centre, Chennai on 20/02/2023**



**“Biotechnology is the biggest revolution in medicine since antibiotics.”  
– C. Everett Koop**

**“ The science of today is the technology of tomorrow. ”  
Edward Teller**

A workshop on “Crack the Future in Globe” presented by Mr. M. S. Basavaraj, Senior Medical Laboratory Technologist, Chennai on 05/08/2022



### Industrial Visit

An Industrial visit to Tamilnadu cooperative milk Producer at Sholinganallur, Chennai was organized on 10/2/2023 for the Life Science Students.



Education is not preparation for life,  
education is life itself

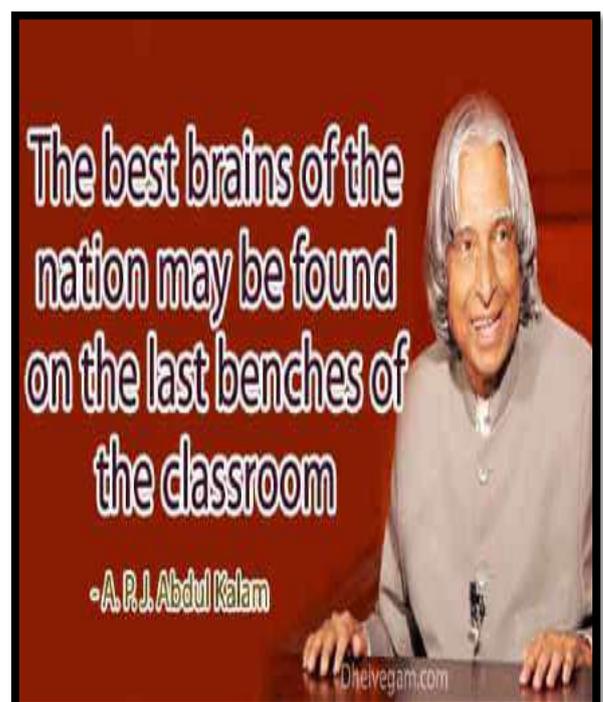
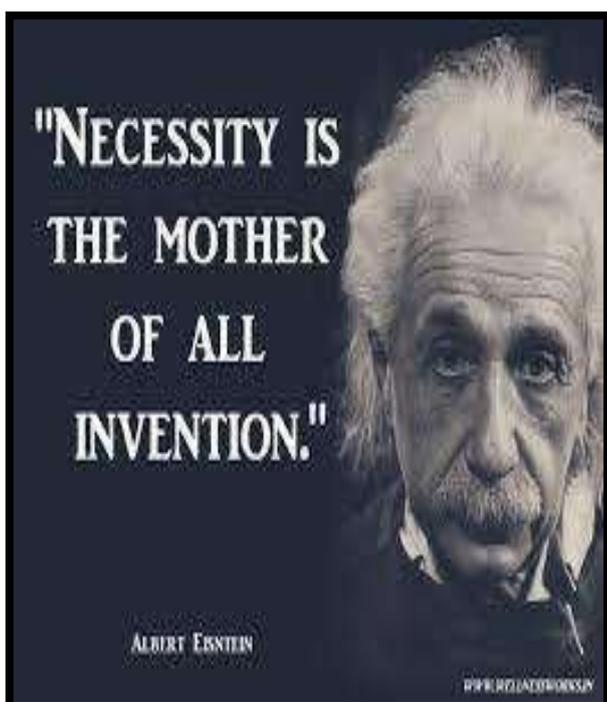
## INTERNSHIP PROGRAMME

The III Year B.SC Biotechnology students were allowed to attend the internship programme at **SRM MEDICAL COLLEGE HOSPITAL & RESEARCH**, Kattankulatur from 10/08/2022 to 24/08/2022.



## EXTENSION ACTIVITY

Department of Biotechnology conducted an awareness programme to the society & Students about "*How to make Bio manure from organic waste at home*" on 6.01.2023



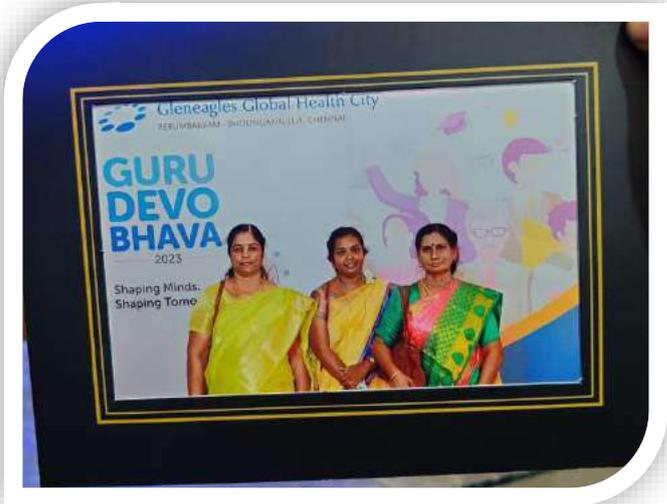
# STAFF ACCOMPLISHMENTS



**Mrs. S.Revathi Chitra was awarded her doctorate of Philosophy in Biotechnology on Feb 17<sup>th</sup> 2023, her area of Specialization was “Isolation of Polysaccharides from Seaweed and Assessment of Anticancer activity through *Invitro* and *Invivo* studies”**

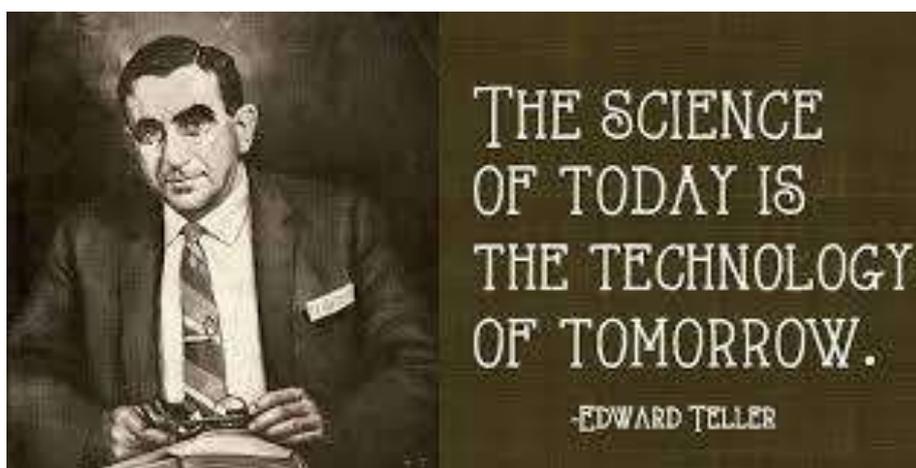


**Dr.N.Santhi was honoured as best Teacher by Global hospital, Perumbakkam.**



## STUDENTS ACTIVITIES

S.No.	College Name	Date	Event Name	Student Name	Class	Status
1	Alpha Arts and Science College, Chennai	13.10.2022	National Conference	Yuvarani.G	III Biotechnology	Participated
				Logeshwari.C		
				Shambavi .J		
				Pooja.S		
				Lalithambigai.M	II Biotechnology	
				Nithya. L		
				Usha.C		
				Devi.S		
Dass.R						
2	Guru Nanak College, Chennai	13.02.2023 to 14.02.2023	Workshop – Hands on training Molecular docking	Gopi. M	III Biotechnology	Participated
3	Stella Maris College, Chennai	27.02.2023 to 28.02.2023	Intercollegiate competition (Poster Making)	Srivarshini .S	III Biotechnology	II Place
				Archana. k		II Place
4	Stella Maris College, Chennai	27.02.2023 to 28.02.2023	Intercollegiate competition (Paper Presentation)	Nithya .L	II Biotechnology	II Place
				Devi. S		II Place
5	Alpha Arts and Science College, Chennai	16.02.2023	Intercollegiate competition (Poster Making)	Pooja. S	III Biotechnology	III Place
				Gopi. M		III Place



## STAFF ACTIVITIES

S. N O	STAFF NAME	DATE	EVENT/FDP/ WORKSHOP/S EMINAR	TOPIC	VENUE/ ORGANIZER
1	Dr. N. Santhi	22.07.2022 to 29.07.2022	MOE IIC	Impact Series I & II	SRM University, Ramapuram
	Dr. N. Senthil Kumar				
2	Dr.N.Santhi	28.09.2022 to 30.9.2022	Workshop	Augmented Reality	Dr.MGR UNIVERSITY
3	Mrs.S.Revathi Chitra	13.10.2022	National Conference	Role of Artificial Intelligence in Molecular Medicine	Alpha Arts and Science College, Porur
4	Mrs.S.Revathi Chitra	10.11.2022 to 11.11.2022	International Conference	Acute and Sub-Acute Toxicity Study of Fucoidan Polysaccharide from Turbinaria conoides	The American College, Madurai
5	Dr.N.Santhi	08.12.2022 to 09.12.2022	Workshop	Current Status Of Immunology And Immunotechnology	Annamalai University
6	Dr.P.Pameswari	05.12.2022	E-Quiz	World Soil Day	Kumararani Meena Muthiah College of Arts and Science
	Mrs.S.Revathi Chitra				
	Dr.N.Santhi				
	Dr. N. Senthil Kumar				
7	Dr.N.Santhi	07.12.2022	Webinar	Quality Resurgence in Research	Vinayaka Missions Research Foundation
8	Dr. P.Pameswari	20.01.2023	Webinar	Intellectual Property Rights	Vels University
	Mrs.S.Revathi Chitra				
9	Dr. P. Pameswari	30.01.2023	Webinar	Entrepreneurship Skill, Attitude And Behaviour Development	Annapoorna Engineering College, Salem
	Dr.N.Santhi				
10	Dr.N.Santhi	22.02.2023 to 28.02.2023	Webinar	Revised NAAC Criteria	St.Teresa's Degree College for Women, Bangalore
11	Dr. P. Pameswari	06.02.2023 to 10.02.2023	Faculty Development Programme (FDP)	Naan Mudhalvan - Medical Coding	Government of Tamilnadu, University of Madras
12	Dr. P. Pameswari	07.03.2023	International Seminar	“Insilico molecular Docking Studies of quercetin compound of <i>Artemisia niligirica</i> against anti-inflammatory moderating protein MAPK 14 receptor & Anticancer Protein SGK-1 Receptor”	Mohamed Sathak College of Arts And Science, Chennai