



# NEW PRINCE



## SHRI BHAVANI ARTS AND SCIENCE COLLEGE NEWSLETTER

2020-2021

ACADEMIC RECORDS OF THE YEAR 2020 – 2021

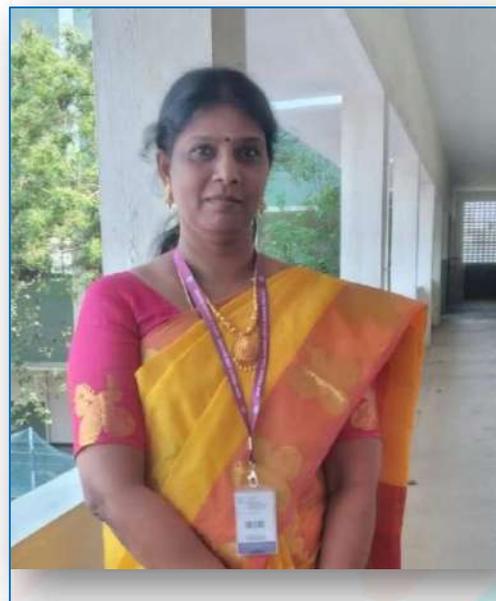
VISION OF OUR DEPARTMENT

“INCULCATING KNOWLEDGE WITH INSPIRATION, IMAGINATION AND INVENTION”

Department of Microbiology established in the year 1999 is one of the oldest Department in the college.

PG Courses was started from 2004. It has well furnished laboratories with all basic and advanced facilities to cater the needs of the students. The Department has well qualified staff members with the mission of producing intellectually motivated, scientifically advanced young community. The Department is producing rank holders every year. Our students are well placed as research scholars and been placed in leading industries. The success of Department relies on constant support and encouragement of management, teaching staff, non teaching staff and students.

Welcome to the fascinating world of microbes. Microbiology is an applied branch of life sciences and impacts the life of humans, animals and plants. One cannot imagine life without microbes. The Department has a strong commitment to excellence in both teaching and research. The Department is striving hard to provide a conducive learning environment and a student-friendly atmosphere that facilitates academic excellence in all aspects of Microbiology. We are committed to produce highly skilled microbiologists capable of facing the challenges of today's world. The faculty members are very active and successful in research, bringing the latest knowledge to the lectures and practical lab classes. We have an industry oriented curriculum leading to graduate and postgraduate degrees in Microbiology.



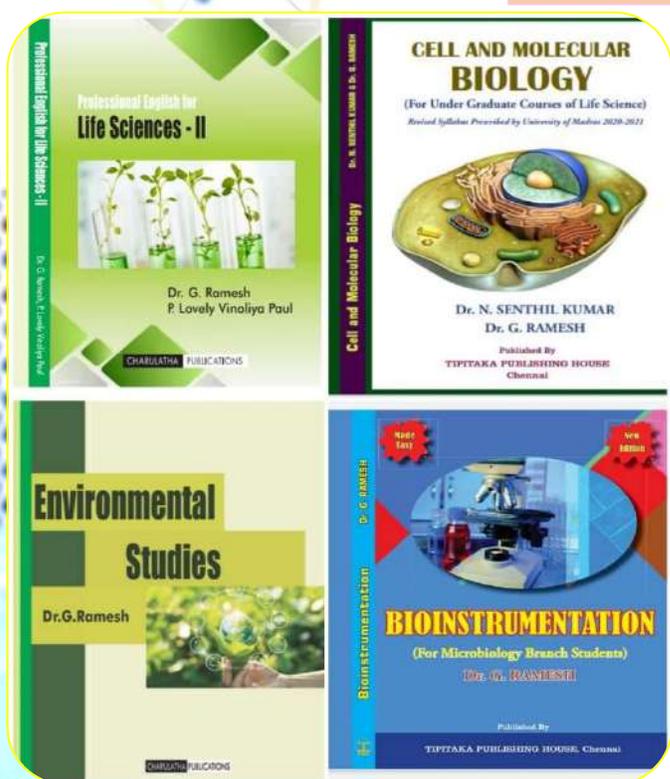
## ACADEMIC OUTPUT

Our students break the hurdle of pandemic situation with high confidence and cleared all the subjects with good percentage of marks. Though the classes went through online mode with continuous support of all the faculty members and management the students progress ends with quality.

The UG students of batch 2017-2020 and PG students of batch 2018-2020 passed with 100% results.

## RESEARCH CONTRIBUTION

Our staff members contribute their time and efforts to prove their interest and passion in the field of research. We published articles in reputed journals. Most of the papers adhered to the regulations of UGC. Our Staff member Dr. M. Arputha Bibiana had published an article on the title, “Development of Meloxicam – chitosan magnetic nanoconjugates for targeting rheumatoid arthritis joints: Pharmaceutical characterization and preclinical assessment on murine models” in Journal of Magnetism and Magnetic Materials, October 2020, Volume 523. Our Staff member Dr.C.Sweetline had published an article on the title, “Optimization of Antibiotic Production of *Streptomyces* Sp isolated from Mangrove Soil using Response Surface Methodology” in International Journal of Scientific and Research Publications, May 2021, Volume 11(5).



## BOOK PUBLICATIONS

Our staff members contribute their time and efforts to prove their interest and passion in the field of research. We published books and articles in reputed journals. Most of the papers adhered to the regulations of UGC. The details of the books published are 1.G. Ramesh (2020). Text Book for Environmental Studies (ISBN: 978-93-89970-49-4). Charulatha Publications. 2.G. Ramesh (2021). Bioinstrumentation (ISBN: 978-81-948789-4-0). Tiptaka Publishing House. 3.N. Senthil Kumar and G. Ramesh (2021). Cell and Molecular Biology (ISBN: 978-81-948789-6-4). Tiptaka Publishing House. 4. G.Ramesh and P.Lovelyn Vinoliya Paul (2021). Professional English for Life Sciences-II (ISBN-13:978-93-5577-050-9)

## WORKSHOP/WEBINAR/CONFERENCE/FDP ATTENDED

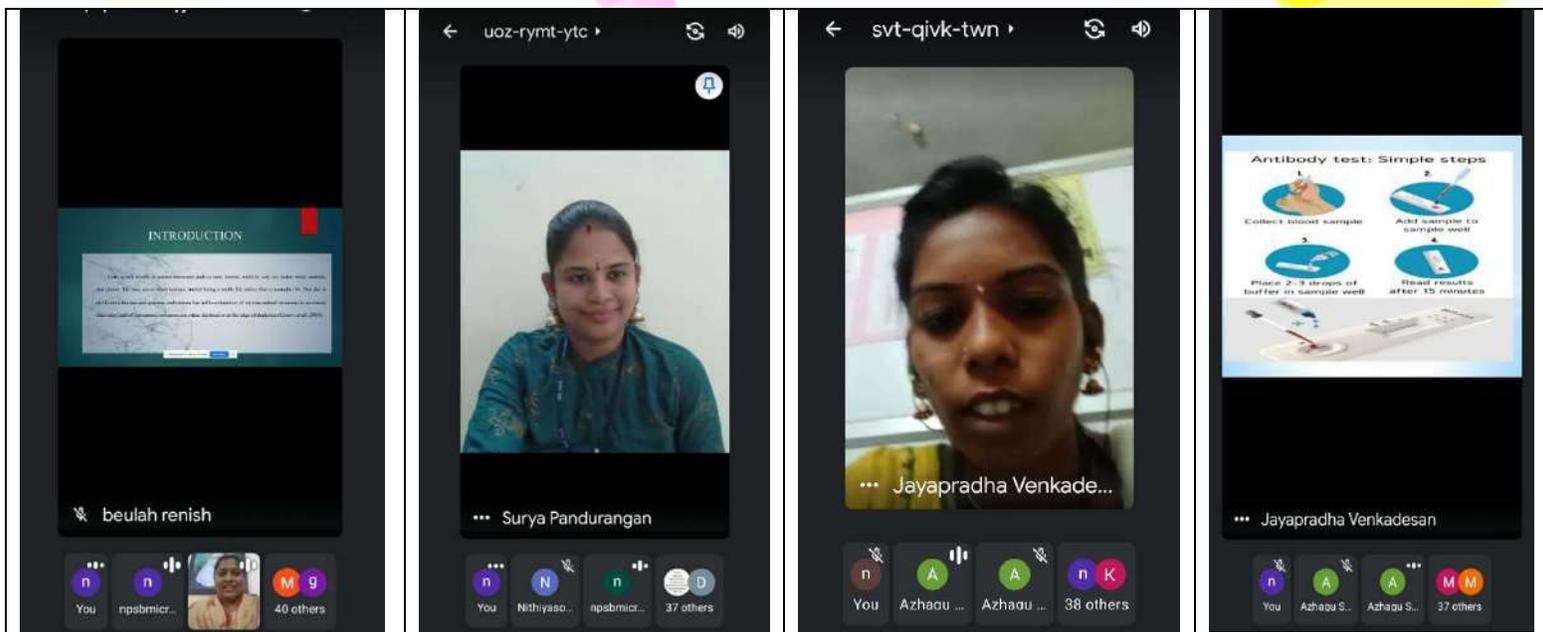
Our staff member Dr.R.Azhagu Senthil Radha, Mrs.S.Gini and Mrs.D.Indumathi have successfully completed the 4 weeks International Online certificate course with distinction on “Medical Bacteriology Phase – III” organised by Sacred Heart College, Tirupattur, TamilNadu in association with Microbiologists Society, India and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University, Rio de Janeiro, Brazil from 1<sup>st</sup> June - 30<sup>th</sup> June 2020.

All our faculty members participate in more than ten programmes on various topics as webinar, FDP, workshops and conference to update knowledge and practice enriching the profession of teaching.

## WORKSHOP/WEBINAR/FDP ORGANISED

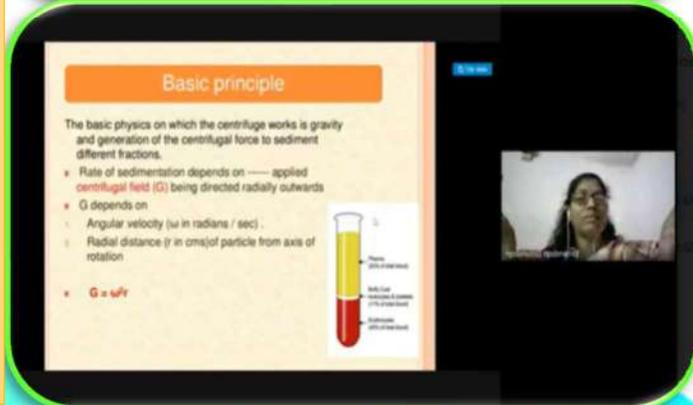
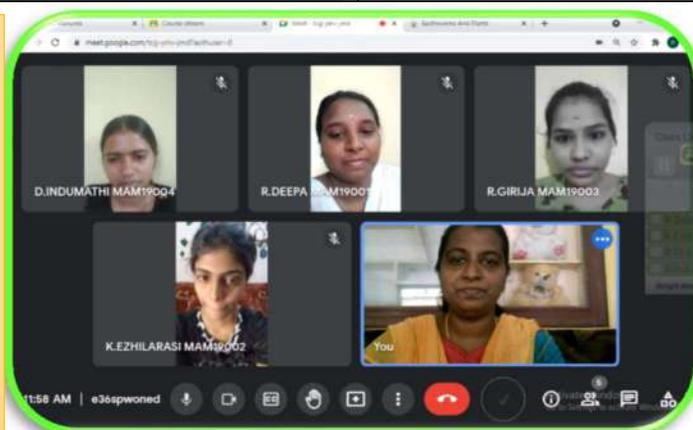
We organized well planned workshops, webinars and FDP for the update and sharing of knowledge among students and faculty of our college and neighbor colleges.

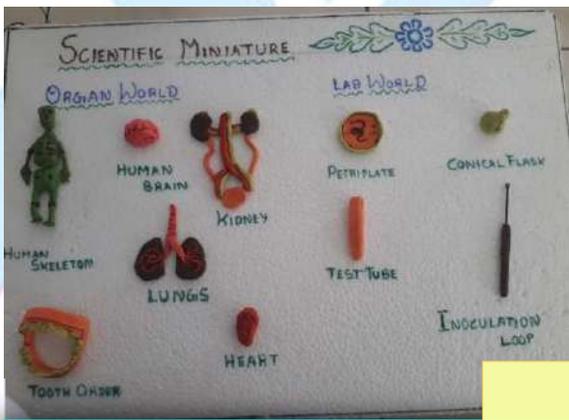
A webinar series was organised on the topic “**Awareness and Entrepreneurship Development**”. A one day seminar on topics “**Role of Bioinformatics in Molecular Biology Research**”, “**Vaccinotherapy**” “**Biodegradation of Hydrocarbons**” and “**Oral hygiene and dental care during COVID 19**”. A webinar series was organised on the topic “**Awareness and Entrepreneurship Development**”. The Career Development workshop was Organised by PG Department of Microbiology and Department of Biotechnology on “**Life of Life Sciencers**”. The Skill Development Workshop was conducted on “**Clinical Practices of COVID 19 Sample Collection**”.



## ADDON COURSE

All the UG and PG students of our Department of Microbiology were educated with an Add on course on the topics “**Immunotechniques**”, “**Analytical Techniques**”, “**Medical Coding**”, “**Advanced Microbial Techniques**” and “**Eco Micro products**”. The course was conducted during the academic year 2020-2021 online on GSuite platform. The learning hours were planned before or after their regular online working hours. This is because, the understanding of the subject mainly comes from the strong basis of the experiments and techniques on which the theories are built. It gives life science students excellent opportunity to acquire skills and knowledge which is a part of the curriculum.





**SCIENTIFIC MINIATURE**



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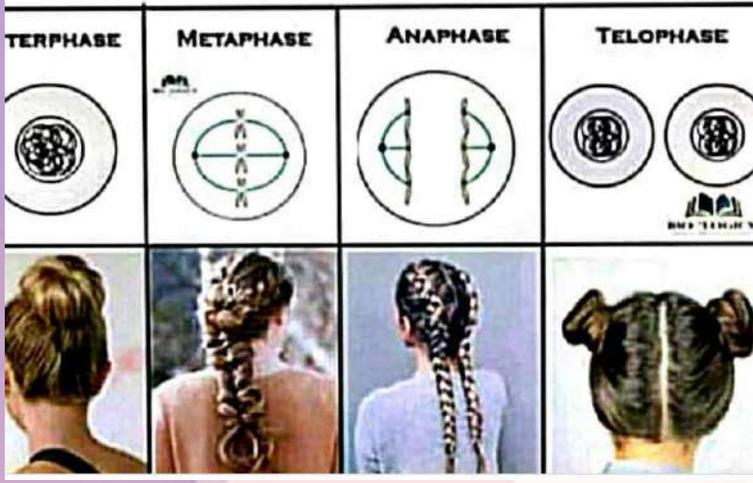
**INTRA DEPARTMENT ACTIVITY**



Intra Departmental activity was organized for our students on 17-09-2020. The students actively participated in an **Online Bio Memes Competition** and they presented their memes with the colorful pictures. Another activity organized was an **Essay Competition** for our students on 11-11-2020 on the title, **“Impact of Technology on Education during pandemics”** in recognition of **“National Education Day”**. The students exhibited their writing skills efficiently. **“BioRhythm”** and **“Scientific Miniature”** competition was organized for the students as an Intra Departmental activity on 16-03-2021 in recognition of **“National Vaccination Day”**. The students presentation skills based on updation were appreciable.

# BIOMEMES

## STAGES OF CELL DIVISION



Science day mudinjil oru vaaram aaga pothu Ipa yaaru da ungala science memes panna sonnathu



WHEN WE TRY TO PIPETTE DIRECTLY FROM THE STOCK SOLUTION

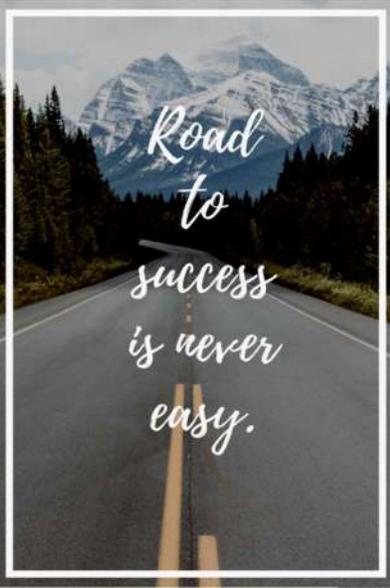


Edho evanga tha ,evangalukku edhu tha vela

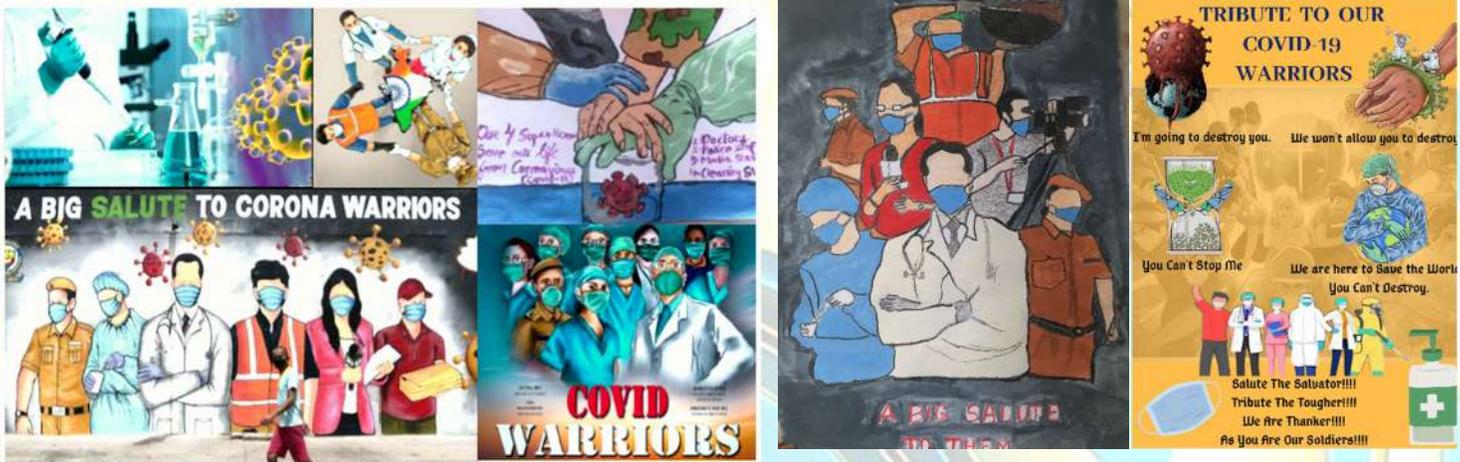
LAB ASSIST



# BIORHYTHM

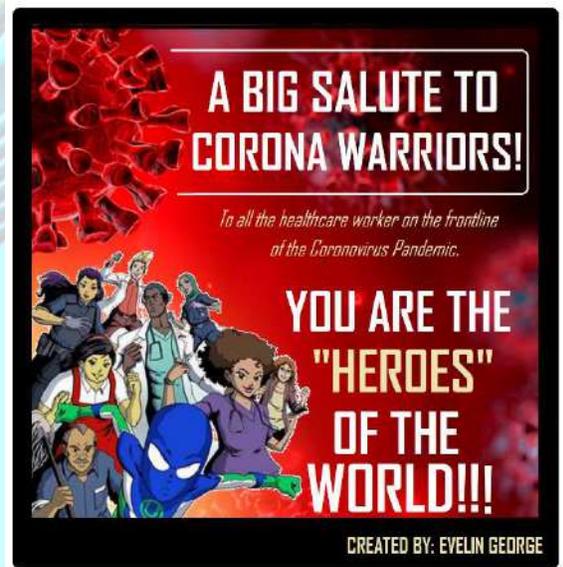


— MY —  
**HARD**  
*TIMES*  
 — HAS —  
**MADE**  
 — ME —  
**WISE**  
 — AND —  
**STRONG**



## INTER COLLEGIATE COMPETITION

An Inter college - E-Quiz competition were organized by the Department on 27<sup>th</sup> June 2020 on the topic, “Current COVID-19 Circumstances” for the students and faculty members across different colleges to create awareness among public related to COVID-19. Again Inter collegiate E-Poster competition “SAMARPAN 2020” were organized by the department on 1<sup>st</sup> July 2020 in recognition of “National Doctors Day” for the students across different colleges on the title : **Tribute to our COVID -19 Warriors.**



An Inter college – Photo Collage competition were organized by the department on 28<sup>th</sup> February 2021 on the topic, “Events of Science: From past to future” for the students in recognition of “National Science Day”.

“The only weapon greater than fear is faith.”  
— Allene vanOirschot



# EXTENSION ACTIVITY



As a part of curriculum, we successfully conducted the extension activity and taken the students to give the awareness among the public and give the free of face mask distribution at Sivagami Nagar, Medavakkam, Chennai on March 3, 2021. All the final year UG students were actively attended and participated in the extension activity. It was a great movement for the staffs and students, as they create awareness about the Covid-19 virus in Sivagami Nagar.

The distribution of masks has done without violating the rules of social distancing. The teachers and students also made the people in nearby areas aware about the COVID-19 and make them informed about the precautionary measures that shall be taken while working. The awareness campaign was conducted by observing the rules of social distancing, masks wearing and sanitization.

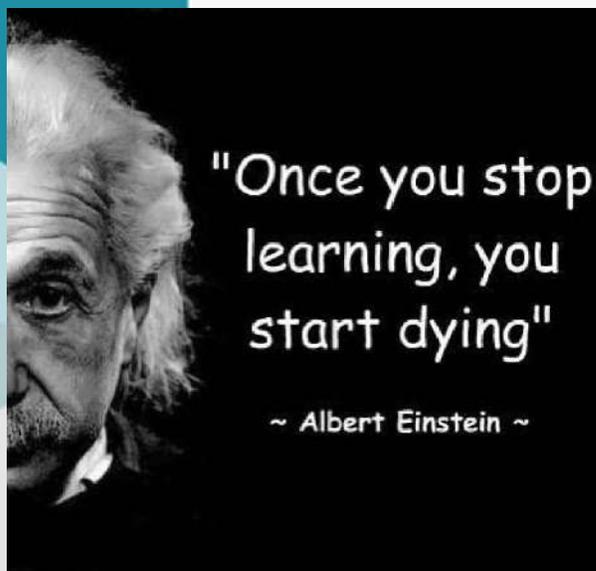


## ALUMNI TALK

We successfully organized an alumni talk for our UG and PG students. Our former PG Student of our Department **Mrs.M.Gayathri (2015-2018)** gave a talk about his experience in the college. The event occurred in the UG Lab.

*Follow your passion, stay true to yourself, never follow someone else's path unless you're in the woods and you're lost and you see a path then by all means you should follow that. - Ellen Degeneres*

## STUDENTS' ACHIEVEMENTS



Our II PG Students submitted an article in the **book of "Compendium of Research Insights of Life Sciences Students"** (ISBN No: 978-81-946500-0-3). Our student **M. Renuka** of III B.Sc., Microbiology had participated in the e-poster competition on **"Increase Immunity Against COVID-19"** by Bio Oikos Association of Biotechnology, New Prince Shri Bhavani Arts and Science College on 15th June 2020. Our student **R.Girija** of II M.Sc., Applied Microbiology had participated in the drawing competition organised by Rotaract Club of Anna University on 15th July 2020.

Our III UG students have successfully completed the **4 weeks International Online certificate course with distinction** on **"Medical Bacteriology Phase – III"** organised by **Sacred Heart College, Tirupattur, TamilNadu** in association with **Microbiologists Society, India** and **Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University , Rio de Janeiro, Brazil** from **31<sup>st</sup> August - 30<sup>th</sup> September 2020**. Our III UG students participated and **M. Devika** of III B.Sc., Microbiology won the **best poster award** in the poster presentation competition –**Prakrithi, Association of Department of Microbiology** in collaboration with **National Green Corps (NGC), Chennai** organized by **Kumara Rani Meena Muthaiaha College of Arts and Science** on **28-09-2020** in recognition of **"World Rabies Day"**. Our student **S.Priya** of I B.Sc., Microbiology had **Won II Prize** in **Virtual Solo Dance Competition on Importance of Social Services** organised by **YRC, RRC and NSS of NPSBASC, Medavakkam** on **17<sup>th</sup> March 2021**. Our PG student had participated in an **Online Workshop on "Intellectual Property Rights"** organised by **IQAC, Hindustan College of Arts and Science, Chennai**.

