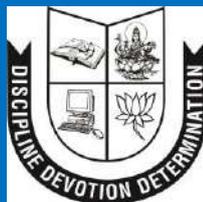


NEW PRINCE SHRI BHAVANI ARTS & SCIENCE COLLEGE

(An ISO 9001:2015 Certified Institution; Affiliated to University of Madras)
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.



*Greetings from the
Department of
Biotechnology*

I am very delighted to present the Sixth 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 2020 - 21. 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.

EDUCATION IS THE MOTHER OF LEADERSHIP.

WENDELLE WILLKIE

ABOUT THE DEPARTMENT

Department of Biotechnology was established in 2005. Currently the department offers Undergraduate program with an intake of 36. 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

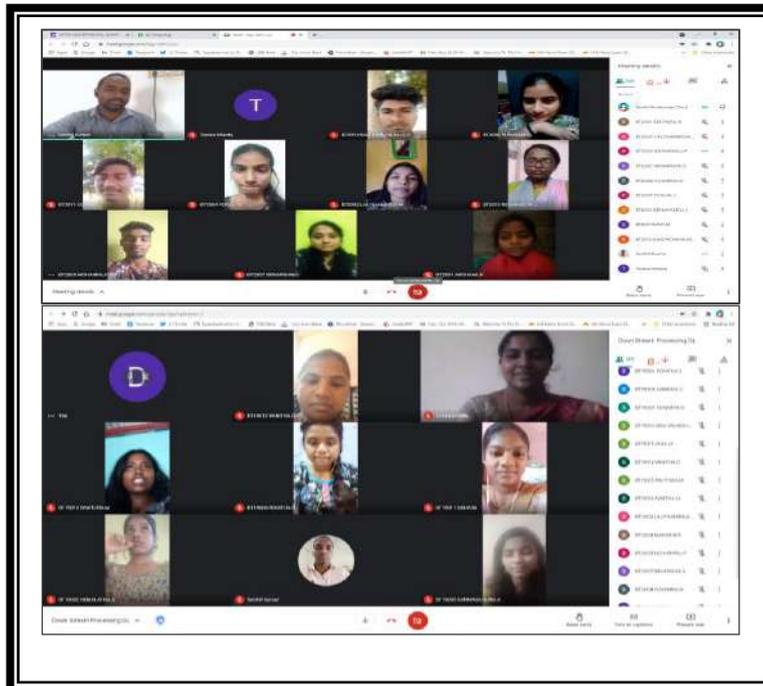
• DEPARTMENT MISSION & VISION

EVENTS ORGANIZED

- ADD ON COURSE*
- ALUMNI TALK*
- FDP*
- INTER COMPETITIONS*
- INTRA COMPETITIONS*
- WEBINARS/VIRTUAL WORKSHOPS*
- VIRTUAL LECTURES*
- STUDENTS ACTIVITY &*
- STAFF ACTIVITY*

Add on course/Short term course organized by the Department

A short term course (more than 30 hours) conducted on, *Microbial Screening, Haematological Techniques & Advanced Certification in Medical Coding* (under MOU) for the students of first, second and third year respectively during the month of June to September, 2019. Course completion certificates



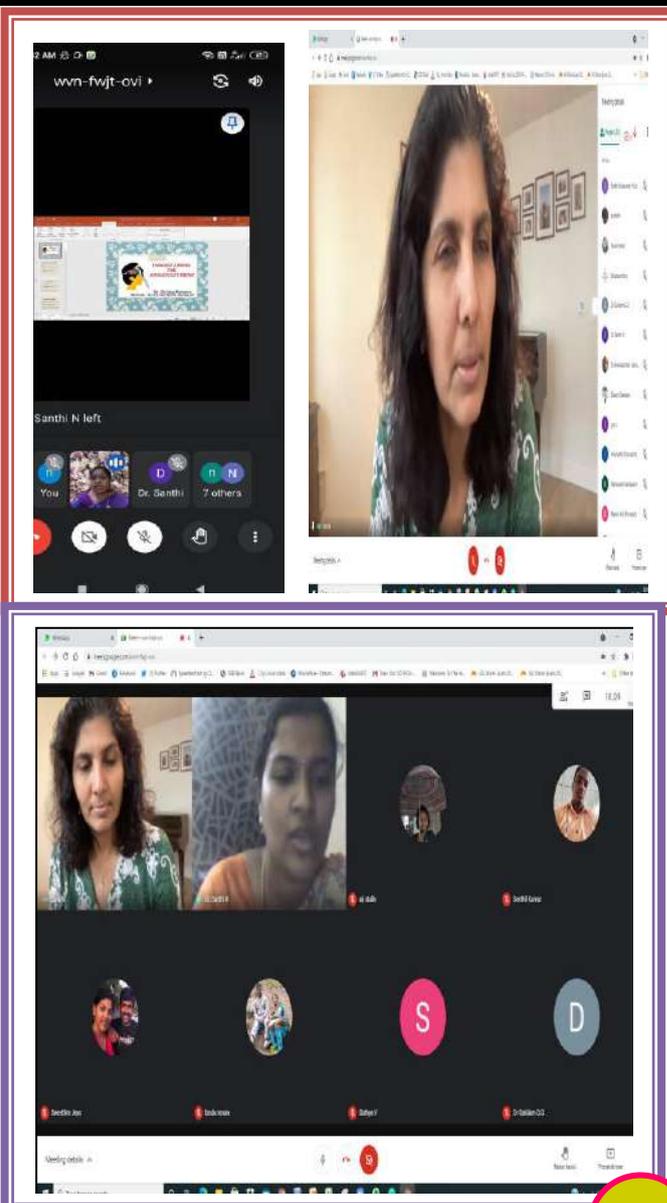
Alumni Activity

An alumni talk was held in the department on 12-02-21. Two alumni S.Janani & S.Jagadeswari interacted with the students about “Higher Studies & Carrier Opportunities in Biotechnology”. The main aim of this event is helping them to achieve their identified career options or acquiring their professional goals. The role of a career guidance expert ranges from acting as a guide to leading the entire course of action.

An investment in knowledge pays the best interest.

Faculty Development Programme

The department of Biotechnology & IQAC jointly conducted two days virtual Faculty Development Programme entitled on **Enhancing Psychological Skills For Teaching** 19-3-2021 & 20-3-2021. The aim of conducting the programme helps a teacher that how to evaluate a students that whether the purpose of teaching & learning has been achieved & it enables a teacher to know the problems of individual differences and treat every student on his / her merit.



Inter collegiate Activity

Department of Biotechnology & IQAC jointly conducted a Quiz Competition as Inter Collegiate competition on World Diabetes Day 14-11-2020 in online mode. to evaluate the knowledge of the participants within academics as well as beyond academics and to make them familiar with the prospects of quizzes and the objectivity of the questions.

Questions



Intra Departmental Activities

Department of Biotechnology conducted an Intra departmental competition in associate with IQAC entitled of the competitions were Bio Cartooning (COVID-19) and Bio flow chart making(Branches of biotechnology or Application of biotechnology) on 12-09-2020 in online mode.

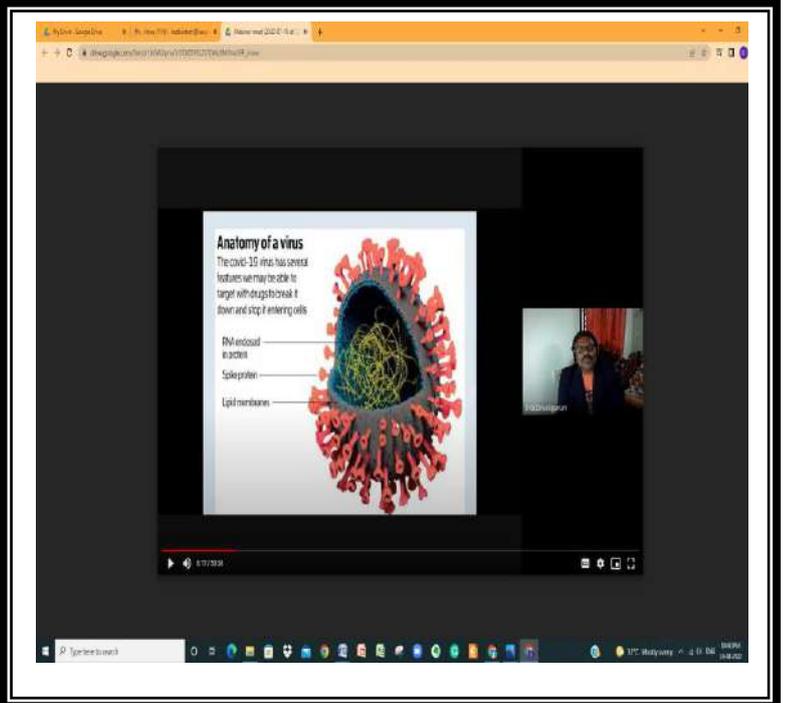
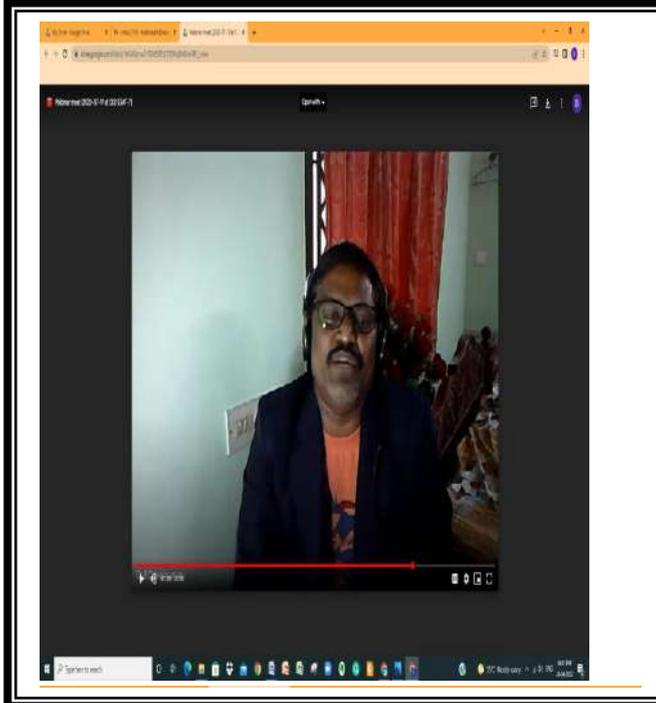


Department of Biotechnology conducted an Intra departmental competition in associate with IQAC entitled of the competitions were Agar Painting and Adzap on 12-09-

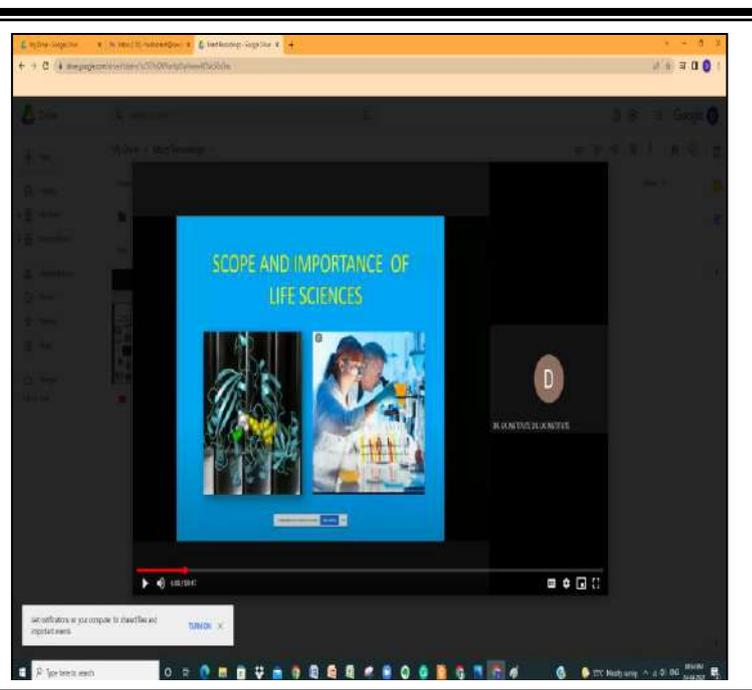
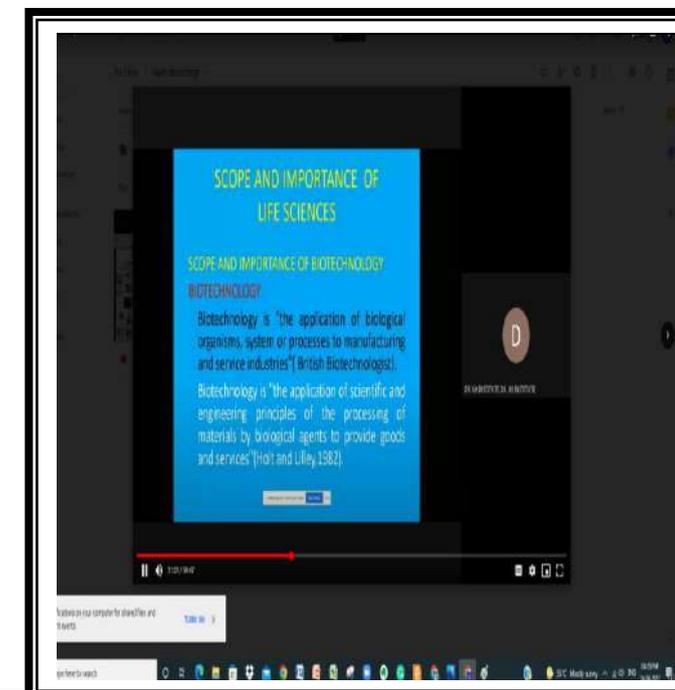


Webinars/Virtual Workshops

A Webinar on on "Active Nutrition & Immunity in COVID 19" presented by Dr B. Deivasigamani Associate Professor, Dept.of Zoology, Centre for advanced study in Marine Biology, Annamalai University, Parangipettai on 20-07-2020.



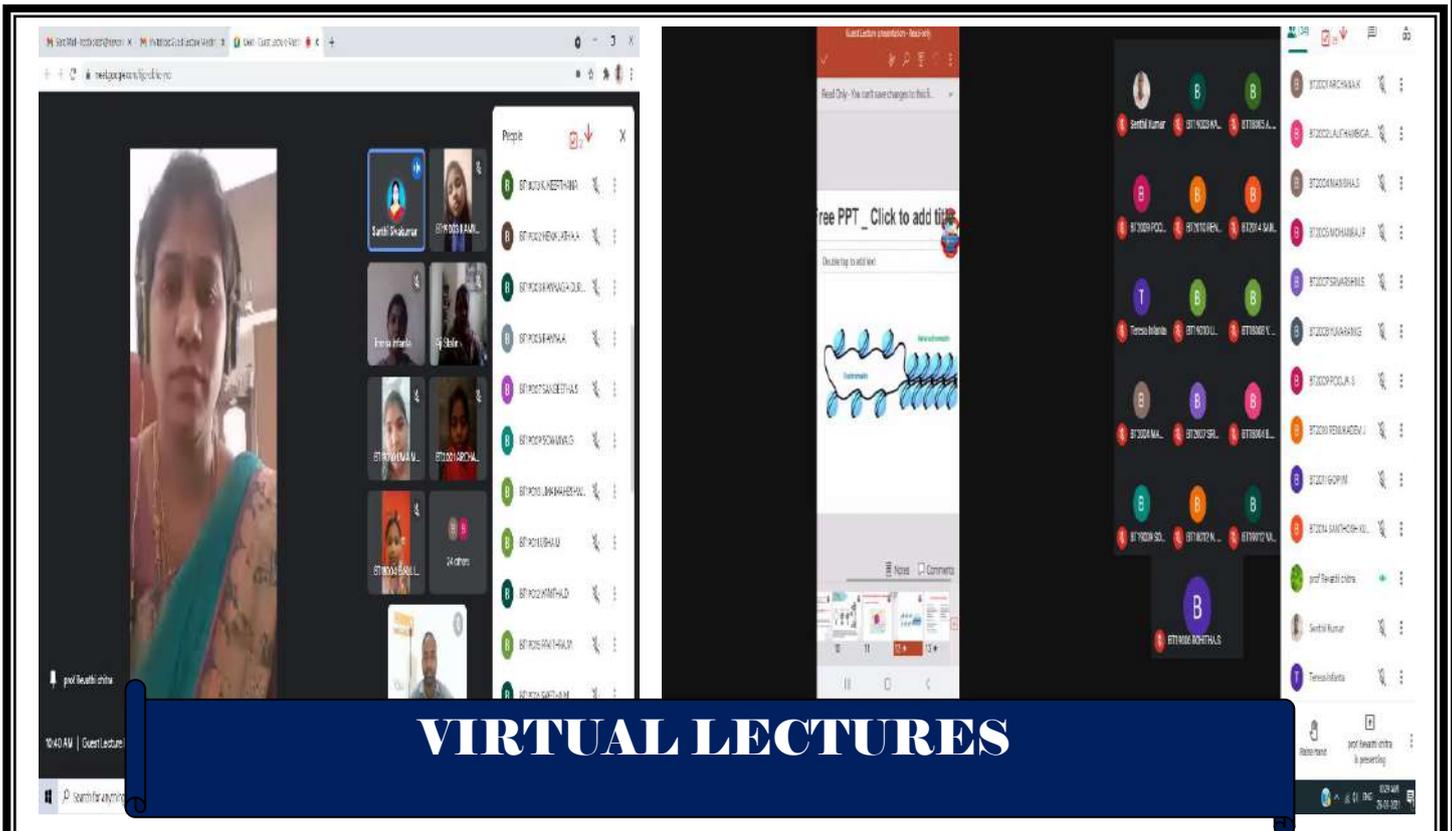
A virtual workshop on "Career Planning & Job Prospectus in Biotechnology" Presented by Dr.Uthira Kumar, Correspondent, Dr. UK Institute Of Health Sciences And Research, Chennai on 7-11-2020

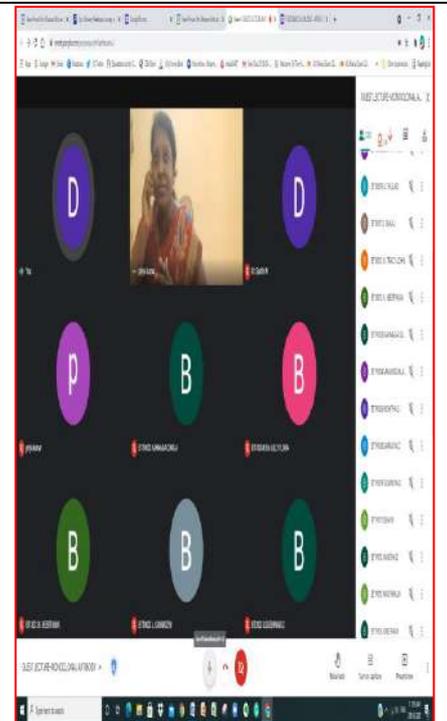
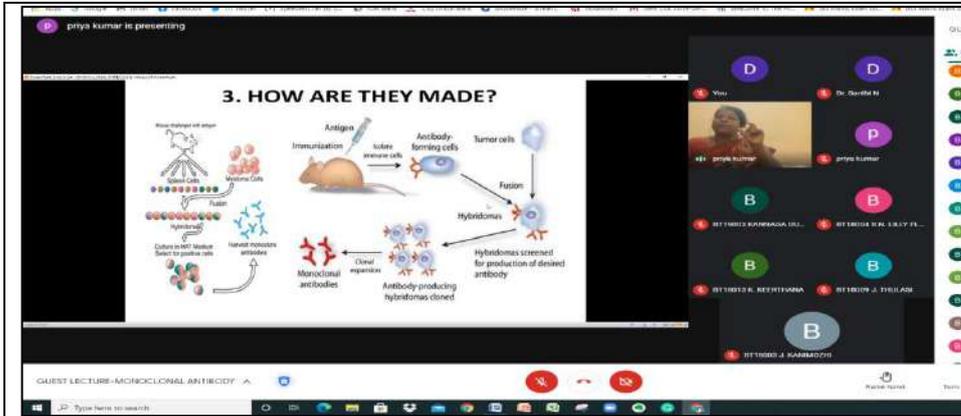


A Webinar on “Fundamentals and Applications of Nano biotechnology” Presented by DR.R.Selvakumar, Associate Professor, Department of Nano Biotechnology, PSG Institute of Advanced Studies, Coimbatore on 9-3-2021



A Webinar on Genetic, Molecular and Physical Views of Genomes Presented by Kavin Bioresearch-under MOU, Velachery on 30-12-2020

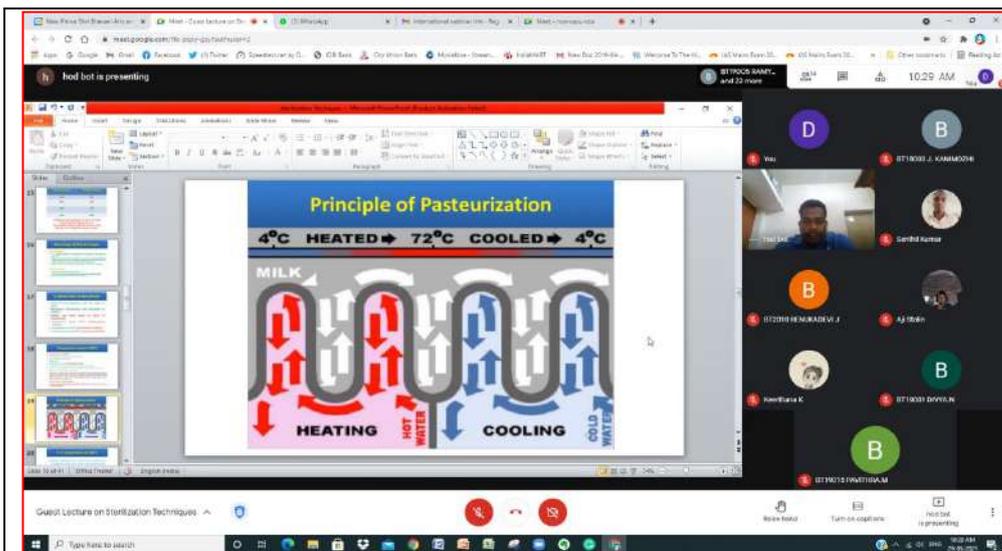




28-5-21

**DK.Priya,
Asst.Professor
Dept.of
Biotechnology
St.Joseph College
of Arts and
Science**

**Monoclonal
Antibodies**



29-5-2021

**Dr.U.Boominathan,
Asst.Professor
Dept.of Biotechnology
St.Joseph College of
Arts and Science**

**Sterilization
Techniques**



What we learn with pleasure we never forget

-Alfred Mercier

STAFF ACTIVITY

STAFF NAME	DATE	WEBINAR/ VIRTUAL WORKSHOP/ FDP	TOPIC	VENUE/ ORGANIZER
Dr.N.Santhi Dr.S.Usha Dr.N.Senthilkumar Dr.AntonyK.Teresa Infanta.S	16.07.2020	Webinar	Recent advances on OKRA improvement programme in India	Annamalai University Chidhambaram
Dr.N.Santhi Dr.S.Usha Dr.N.Senthilkumar Dr.AntonyK.Teresa Infanta.S	21.07.2020	Webinar	Bamboo Oxygen Park	Arul Anandar College Karumathur
Dr.N.Santhi Dr.S.Usha Dr.N.Senthilkumar Dr.AntonyK.Teresa Infanta.S	27.07.2020 to 31.07.2020	QIP/FDP	Evolving Trends in Biotechnological Research	Sri Venkateshwara College of Engineering Pennalur
Dr.N.Senthilkumar Dr.AntonyK.Teresa Infanta.S Dr.S.Usha Dr.N.Santhi	13.08.2020	Webinar	Resource Management and Vermi composting	Veridian Micro Lab Navalur
Dr.N.Santhi Dr.S.Usha Dr.N.Senthilkumar Dr.AntonyK.Teresa Infanta.S	07.10.2020	Webinar	Why do we get variable efficacy with medicinal plant extract	General Food & Agriculture foundation Amity University Noida
Dr.N.Santhi Dr.S.Usha Dr.N.Senthilkumar Dr.AntonyK.Teresa Infanta.S	27.10.2020	Online Workshop	Social entrepreneurship, Swachhta & Rural engagement	Ministry of education, Government of India
Dr.N.Santhi Dr.AntonyK.Teresa Infanta.S	27.05.2021	FDP	IPR and its types	S SS Shasun Jain College for Women. T.Nagar. Chennai

STUDENT ACTIVITY

- ✚ **Priyadharshini.S & Lilly Flora.N.B of III B.Sc Biotechnology participated Webinar in Annamalai University Chidhambaram on 16.07.2020**
- ✚ **Hemalatha.A, Rohitha.S, Usha.M, Vanitha & Verginiya.K II B.Sc Biotechnology participated Webinar in Arul Anandar College Karumathur on 21.07.2020**
- ✚ **Pavithraa.G, Tracy John.N, Kokila.A, Dinesh Kumar.K, Sanju.S B of III B.Sc Biotechnology,& Faiyaaz .S.A, Manimegalai.M, Usha.M of II B.Sc Biotechnology participated Webinar in Veridian Micro Lab Navalur on 13.08.2020.**
- ✚ **Archana. K,Mohanraj.J, Manisha.S, Srivarshini of I B.Sc Biotechnology , S.Rohitha. S,Usha. of II B.Sc Biotechnology**
- ✚ **M.Kanimozhi &V.Revathi of III B.Sc Biotechnology participated Webinar in General Food& Agriculture foundation Amity University, Noida on 7.10.2020.**
- ✚ **Archana. K, Gopi. M, Mohanraj,J , Renukadevi.J, Manisha.S, Lalithambigai.M, Logeshwari.C, Pooja. S, Yuvarani.G, Susmitha.R, Shambavi.J, of I B.Sc Biotechnology, Hemalatha.A, Kannaga Durga.S, Usha.M, Vanitha. of II B.Sc Biotechnology & D, Priya Dharshini.S, Thulasi.J, Pavithraa.G, Lilly Flora.B.N, Tracy John.N of III B.Sc Biotechnology participated an E-Quiz in Kamaraj College Thoothukudi on 30-10-2020.**
- ✚ **Manisha.S, Renukadevi.J, Srivarshini.S, Gopi.M of II B.Sc Biotechnology, Pavithra.M, Kokila.A, Sanju.S of III B.Sc Biotechnology participated an E-Quiz in Women's Christian College Nagercoil 05.11.2020 to 07.11.2020.**
- ✚ **Rohitha.S, of III B.Sc Biotechnology & Manisha.S, Renukadevi.J of III B.Sc Biotechnology participated an E-Quiz in AUFAU Science Forum Salem on 31.05.2021.**

PAPER PUBLICATION

- ❖ Dr. Antony K. Teresa Infanta.S & Dr.S.Usha published a paper entitled on **To study the extraction of DNA from *Polyporusmonticola* and *Trichodermmaviride* and amplify it using PCR to ascertain its purity-** European Journal of Molecular & Clinicl Medicine ISSN 2515-8260.
- ❖ Dr. N. Santhi, Dr.S.Usha & Dr. N. Senthil Kumar published a paper entitled on **Length -weight relationship between the various culture practices in Shrimp-** Parishodh journal- ISSN 2347-6648
- ❖ Dr.S.Usha & Dr. N. Senthil Kumar published a paper entitled on **Enzyme Production through Immuomilization using Poly Urethane Foam Cubes in Solid State Fermentation of Ragi straw with *Polyporusmonticola* and *Trichodermmaviride* -** Parishodh journal- ISSN 2347-6648-ISSN 2347-6648.

*Education is the
key to unlock the
golden door of
freedom.*

-George Washington Carver