



NEW PRINCE SHRI BHAVANI ARTS AND SCIENCE COLLEGE



An ISO 9001:2015 Certified Institution; Affiliated to University of Madras
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NEWSLETTER 2021-2022



**“INCULCATING
KNOWLEDGE WITH
INSPIRATION,
IMAGINATION AND
INVENTION”**

ABOUT THE COURSE

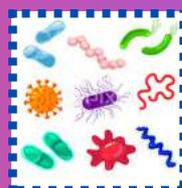
Welcome to the fascinating world of microbes. Microbiology is an applied branch of life sciences and impacts the life of humans, animals and plants. One cannot imagine life without microbes. The Department has a strong commitment to excellence in both teaching and research. The Department is striving hard to provide a conducive learning environment and student-friendly atmosphere that facilitates academic excellence in 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 industry-oriented curriculum leading to graduate and postgraduate degrees in Microbiology.

ABOUT THE DEPARTMENT

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

PG Course 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.



“Microbiology teaches us that size is no measure of significance; even the smallest microbe can wield immense power. Microbes are the silent warriors; these tiniest beings possess the strength to spark a revolution that can have monumental impacts in the world of science.”

— Aloo Denish



ACADEMIC ACHIEVEMENTS

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 hybrid mode with continuous support of all the faculty members and management the students progress ends with quality.

The UG students of batch 2020-2021 passed with 100% and PG students of batch 2020-2021 passed with 100% results.

WORKSHOP/WEBINAR/CONFERENCE/ FDP ATTENDED

Our staff member Dr.R.Azhagu Senthil Radha had successfully completed the International Online Certificate Course on "Microbial Inoculants Technology" conducted by Department of Microbiology, Sacred Heart College, Tirupattur, Tamil Nadu, Chennai from 04.07.2021 To 08.08.2021. Our staff members Dr.R.Azhagu Senthil Radha and Mrs.D.Indumathi have attended International Conference on "Recent Trends In Microbiology" ICRTMB 2K22 on 22.04.2022 conducted by Apollo Arts and Science College, Guduvanchery Chennai.

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

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. Our staff members Dr.M.Nithiya Soundari had published a research paper on "Synthesis of silver nanoparticles using the leaves of *Ecchornia crassipes* and its effect on fish infecting pathogens" in International Journal for research in Applied Science and Engineering Technology (IJRASET), Volume 9, Issue X October 2021.

Our staff member Mrs.S.Gini had published a research paper in International Conference on "physicochemical analysis of Effluent from Sea food Processing Industries in Chennai in Current Trends in Multi Disiplinary Research, August 2021 and Mrs.S.Gini had published a review paper on "Effluents from sea food processing industries, its bio products and their effect on environment, in Indian Hydrobiology, Volume 20 (1) October 2021.

**"STRIVE NOT TO BE
A SUCCESS, BUT
RATHER TO BE OF
VALUE" - ALBERT
EINSTEIN**

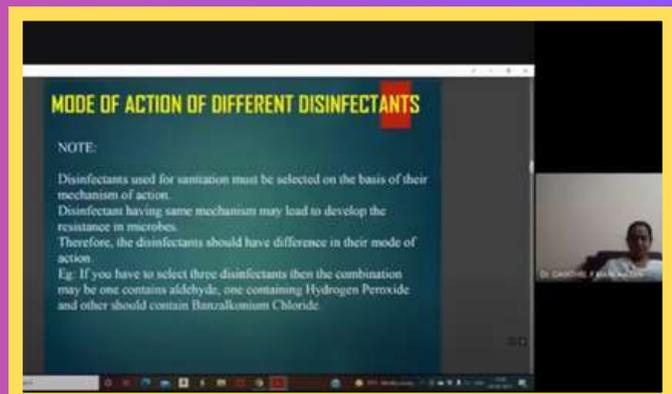
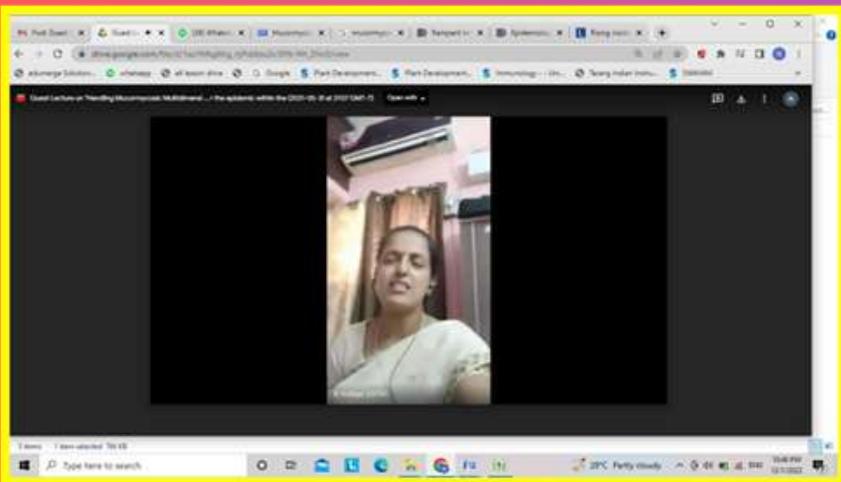


WORKSHOP/WEBINAR/CONFERENCE/ FDP ORGANIZED

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

Webinars organised on the topics “Microbicidal Effect of Disinfectant In Pandemics”, “Handling Mucormycosis : Multidimensional intervention for the epidemic within the pandemic”, “Latest Developments in Cloning Research”, “Microalgae Cultivation”, “Clinical facts on Antimicrobial Resistance-A threat”, “An Environmental Awareness Programme on ” Bioindicator of Pollution”, Role of Bioinformatics in Molecular Biology Research”, “ Antibiotic Resistance and Strategies to tackle the problem”.

The Career Development workshop was Organised by the Department of Microbiology on “laboratory Practices in Health sectors” and “ Spirulina Cultivation”.



ADD ON COURSES

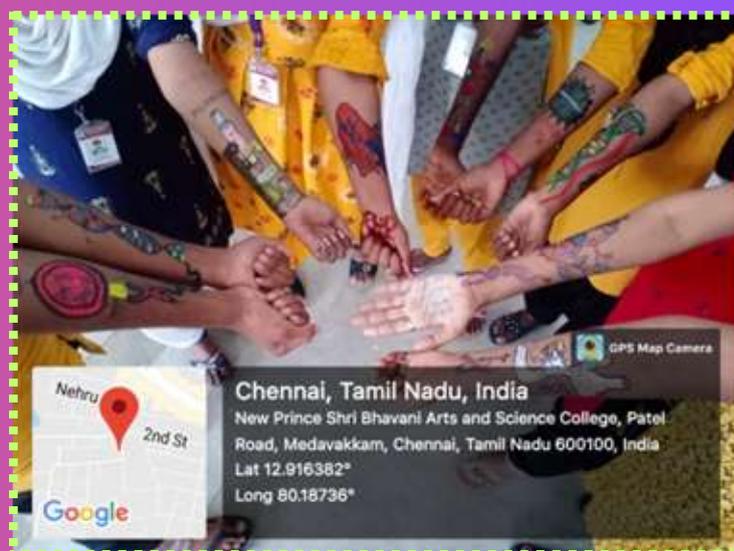
All the UG and PG students of our Department were educated with an Add on course on the topics “Immunotechniques”, “Analytical Techniques”, “DMLT”, “Advanced Certification in Medical Coding”, “Advanced Microbial Techniques” and “Eco Micro products”. The course was conducted during the academic year 2021-2022. The main objective of the course is to understanding of the subject strongly from the basis of experiments and techniques. It gives life science students excellent opportunity to acquire skills and knowledge which is a part of the curriculum.



THE OBJECTIVE OF
THE ADD ON COURSE
IS TO HELP THE
STUDENTS TO ENRICH
THEIR SKILLS AND
INCREASE
EMPLOYABILITY

INTRA DEPARTMENT ACTIVITY

In observance of “World Science Day” Intra Departmental activity was conducted for our students on 10-11-2021. The students actively participated in Poster making Competition on the topic “Pros & Cons of Science and Technology” and the participants had shown their imagination through posters. Another Intra Departmental activity was conducted to observe “World Health Day” for our students. The students enthusiastically participated and exhibited their talents in Bio Tattooing Competition on the topic “Inventions in Science” on 07.04.2022.



PG DEPARTMENT OF MICROBIOLOGY
Organizes
Intercollegiate Competition
National Level E- Quiz
On
National Science Day
Feb 28th, 2022

Theme
**"Integrated Approach in Science and Technology
for a Sustainable Future"**

E-Quiz Link
<https://forms.gle/cwHFrXGC6hMJn9S66>
Link will be opened from 27th Feb - 4th March .2022

E- Certificate will be provided to all the participants
receiving 50% marks

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CONVENOR
Dr.R.Azhago Senthil Radha

For Queries: hodmicro@newprincearts.edu.in

INTER COLLEGIATE COMPETITION

Every year, 28th February is widely celebrated as “National Science Day” in recognition of birth anniversary of Sir C.V. Raman. The Department of Microbiology organized an E-Quiz on National Science Day” on the theme “Integrated Approach in Science and Technology for a Sustainable Future”. Students from various colleges took part in E-Quiz competition and received their E-certificates.



EXTENSION ACTIVITY

As a part of curriculum, our final year UG students along with two faculty members Dr.R.Azhagu Senthil Radha and Mrs.S.Gini went to “New Hope and New Life Children Home at Medavakkam to carry on their extension activity on 7th April 2022 widely celebrated as “World Health Day”. The students are engaged themselves by helping the needy whole heartedly. Our students were involved in distribution of seasonal fruits i.e., watermelon inorder to inculcate the habit of eating minerals and vitamins rich fruits. Students also performed a Skit on “Importance of Healthy foods for better health” to taught them good healthy habits to be followed for a wealthy life.



ALUMNI ACTIVITY

Department of Microbiology, successfully organized an alumni talk for our UG and PG students. A notable alumni, Mr. P.Velumani, our former UG student who is currently working as a Executive Coder, Corra Health, Chennai was invited to deliver an inspirational talk to our final year UG and PG students. He gave an information on transformation of healthcare diagnosis, procedures, medical services and equipments into universal medical alpha numeric codes.



INDUSTRIAL VISIT

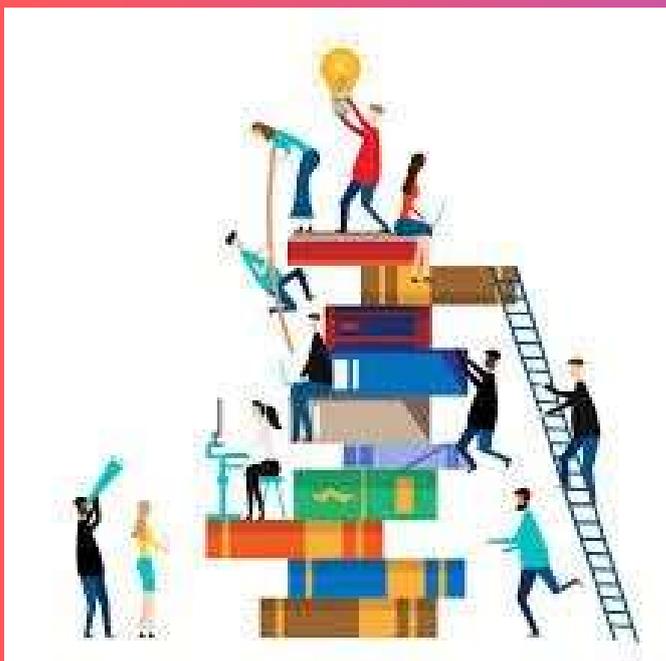
Water is an Elixir of Life” – Keeping this in mind Department of Microbiology had organized an one day Industrial Visit to a drinking water treatment plant.

On 15th March 2022, our final year UG and PG students along with two faculty members Mrs. S.Gini and Mrs.D.Indumathi visited Chellam Aqua Industries at Medavakkam. The students gained much knowledge on the quality check of drinking water, the purity of raw before treatment and after treatment and storage and sending of water through pipes for further processing.



STUDENTS ACHIEVEMENTS

Our II PG students Miss.R.Mercy and Mr.G.Prakash have published their review article in the book of Compendium of Research Insights of Life Science Students (ISBN No: 978-93-91342-27-2). Our I PG and III UG students have attended a training programme on “Mushroom Cultivation” in TNAU-information and Training Centre, Chennai on 29.04.2022. III B.Sc students were participated in the International webinar on “Food and Safety: Knowledge and quality Practices” conducted by M.G.R. Janaki College of Arts and Science For Women. Our I PG student D. Madan Kumar and II PG Student R.Mercy have presented paper in an International Conference conducted by Apollo Arts and Science college on 22.04.2022. Our students participated in a National Level E-Quiz on 16.10.2021. Our II UG students have participated in a VELS Nakshathra-2022 conducted by VELS Institute of Science Technology and Advanced Studies, VISTAS from 05.09.2022 & 06.09.2022.



"The only limit to the height of your achievements is the reach of your dreams and your willingness to work for them."

- Michelle Obama