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From the Editor's Desk

Once more, it is with immense pleasure that I was given the opportunity to work on the First Edition of the Department News Letter. As we all know, a newsletter mirrors a department-its vision and mission. It also highlights events, activities and academic prowess and achievements. In this edition, I have tried to capture last six months excitement and activities. I do hope that the newsletter encourages many more including students to use it as a platform to express their creativity. I sincerely hope that this edition makes for an interesting read. Please feel free to offer any suggestions for the improvement.

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July 2021

On behalf of Department of Microbiology, Journal club program was organized on 23.07.2021 (Friday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. E. James Obeth, Research Scholar presented the article entitled as **“Ceramic Microbial Fuel Cells Stack: power generation in standard and supercapacitive mode”**. He explained about the microbial fuel cell (MFC) stack containing 28 ceramic MFCs was tested in both standard and supercapacitive modes. Everyone was inspired by the research findings presented by research scholar.

August 2021

On behalf of Department of Microbiology, Journal club program was organized on 20.08.2021 (Friday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. Sunandha Jeeva Bharathi, Research Scholar presented the article entitled as **“The microbiology and treatment of human mastitis”**. He explained about the probiotics and bacteriocins have revealed potential as alternative treatments. Everyone was inspired by the research findings presented by research scholar.

September 2021

Teacher’s day celebration on 05.09.2021



On behalf of Department of Microbiology, Journal club program was organized on 24.09.2021 (Friday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. Abhispa Bora, Research Scholar presented the article entitled as “Two-step microalgal (*Coelastrella* sp.) treatment of raw piggery wastewater resulting in higher lipid and triacylglycerol levels for possible production of higher-quality biodiesel”. She explained about the importance of wastewater treatment and how microalgae can help in this process along with the production of other value-added products such as biodiesel. She clearly explained the piggery wastewater treatment processes by microalgae. Everyone was inspired by the research findings presented by research scholar.

October 2021

On behalf of Department of Microbiology, Journal club program was organized on 13.10.2021 (wednesday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. Vijay, Research Scholar presented the article entitled as “**Real-time loop-mediated isothermal amplification: an early-warning tool for quarantine plant pathogen detection**”. He explained about the framework for early warning and rapid response is a crucial element to prevent or mitigate the impact of biological invasions of plant pathogens, especially at ports of entry. Everyone was inspired by the research findings presented by research scholar.

November 2021

On behalf of Department of Microbiology, Journal club program was organized on 17.11.2021 (wednesday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. P. Aswaja, Research Scholar presented the article entitled as “**Microbial electrolysis cell as an emerging versatile technology: a review on its potential application, advance and challenge**”. She explained about the latest trends in MEC technologies and applications. Everyone was inspired by the research findings presented by research scholar.

December 2021

Dr. A. Arun, Professor and Head, published three research articles in Elsevier journals with cumulative Impact factor of 13.61.

Dr. T. Kavitha, Assistant Professor, published one research article in Bioresource Technology (IF: 9.642). She also gave a special lecture on "Combating against Covid with Clinical Microbiology", in the webinar organized by Department of Microbiology and Biotechnology, Sri Bharathi Arts and Science College for Women, Pudukkottai.

On behalf of Department of Microbiology, Journal club program was organized on 15.12.2021 (Wednesday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. D. Monica Research Scholar presented the article entitled as **“Plant growth promoting cyanobacteria and their distribution in terrestrial habitats of iran”**. She explained about the extraction methods of plant growth hormones from cyanobacteria. Everyone was inspired by the research findings presented by research scholar.



January 2022

On behalf of Department of Microbiology, Journal club program was organized on 07.01.22 (Friday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. Angelin Swetha .T, Research Scholar presented the article entitled as **“Bread waste to lactic acid: Applicability of simultaneous saccharification and solid state fermentation”**. She explained about the utilization of waste bakery food items rich in starch content. Everyone was inspired by the research findings presented by research scholar.

February 2022

On behalf of the Department of Microbiology, the Journal Club program was organized on 18.02.2022 (Friday), under the theme of microbiological research. The paper was published in the World Journal of Microbiology and Biotechnology. All the Faculty members, Scholars and Students actively took part in this session. R. Akila, Research Scholar presented the article entitled *“Production and Characterization of a Novel Biosurfactant Molecule from Bacillus safensis YKS2 and Assessment of Its Efficiencies in Wastewater Treatment by a Directed Metagenomic Approach”*. She mentioned how important it is to search for future technologies like as wastewater and other drone uses, which are also thought to be compatible with biosurfactants. Everyone was inspired by the research findings presented by research scholars.



March 2022

WOMEN'S DAY CELEBRATION--2022

REPORT

On behalf of the **“Women’s club”**, Department of Microbiology, Women’s day was celebrated on 08.03.2022 (Monday). **Dr. A. Arun, Professor & Head** and the **“Women’s club”** Co-ordinator **Dr. T. Kavitha**, felicitated the occasion. All the scholars and students actively took part in this session. Students exhibited their cultural talents and entertained the gathering. Earlier, Ms. P. SowmiyaI-M.Sc. Microbiology welcomed the gathering. The session ended with a vote of thanks proposed by Ms. Subiksha II-M.Sc. Microbiology.



On behalf of Department of Microbiology, Journal club program was organized on 16.03.22 (Wednesday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. M.Shibasini, Research Scholar presented the article entitled as **“Synthesis, characterization and application of Nanoparticles & quote”**. She explained about the methods of synthesizing nanoparticles, characterization and its scope in biomedical applications like drug delivery, biosensor and bioimaging. Everyone was inspired by the research findings presented by research scholar.

April 2022

On behalf of Department of Microbiology, Journal club program was organized on 29.04.2022 (wednesday) in the themes of Microbiological research. Papers were presented in recent research advances in microbiology. All the Faculty members, Scholars and Students actively took part in this session. R. Rajapriya Research Scholar presented the article entitled as **“Antimicrobial Activity of Pigments Extracted from *Rhodotorula glutinis* against Some Bacteria and Fungi”**. She explained about the extraction methods of pigments from bacteria. Everyone was inspired by the research findings presented by research scholar.