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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.

## **Disclaimer:**

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Department of Nanoscience and Technology and Department of Microbiology, Alagappa University, Karaikudi organized a “Swachhta Pakhwada-2022”, Centre for Swachh Bharat & Swasth Bharat on 20.09.2022.

Dr. N. Suganthy, Coordinator, Department of Nanoscience and Technology delivered a welcome address and Dr. K. Gurunathan, Professor and Head, Dean-Faculty of Science Department of Nanoscience and Technology presided over the function.

Dr. A. Arun, Professor and Head, Department of Microbiology delivered a keynote Lecture on “Understanding the problems with single usage plastics”.

Dr. T. Kavitha, Coordinator, Department of Microbiology proposed the Vote of thanks.

**ALAGAPPA UNIVERSITY**  
(A State University Accredited with A+ Grade by NAAC  
(CGPA: 3.64) in the Third Cycle and  
Graded as Category-I University by MHRD – UGC, 2020: QS India Rank: 20,  
QS BRICS Rank: 194, QS Asia Rank: 216, NIRF Rank: 33)  
Karaikudi – 630 004, Tamil Nadu, India

**Centre for Swachh Bharat & Swasth Bharat**

**Swachhta Pakhwada – 2022**  
September 1 to 15

Organized by  
**DEPARTMENT OF NANOSCIENCE AND TECHNOLOGY**  
&  
**DEPARTMENT OF MICROBIOLOGY**

**On 20<sup>th</sup> September, 2022 (Tuesday) at 11:00 AM**  
**Venue: Conference Hall, 4<sup>th</sup> Floor, Science Campus**

**Dr. N. Suganthy**  
*Coordinator – Department of Nanoscience and Technology*  
**Delivers Welcome Address**

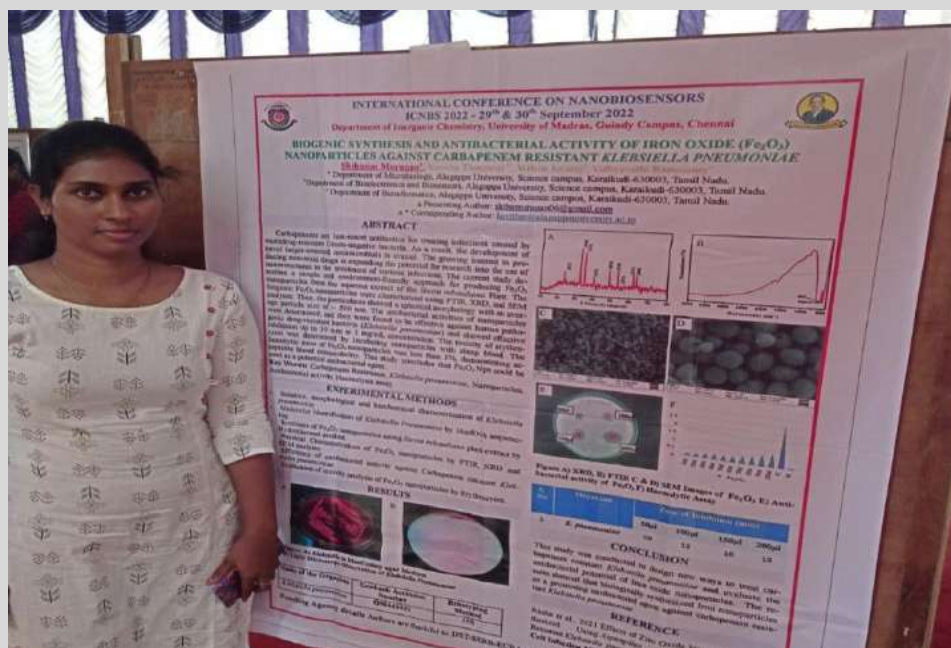
**Dr. K. Gurunathan**  
*Professor and Head – Department of Nanoscience and Technology*  
*Dean – Faculty of Science*  
**Presides**

**Dr. A. Arun**  
*Professor and Head - Department of Microbiology*  
*Director - Science Campus*  
**Delivers Keynote Lecture on**  
**“Understanding the Problems with Single usage Plastics”**

**Dr. T. Kavitha**  
*Coordinator – Department of Microbiology*  
**Delivers Vote of Thanks**



M. Shibasini, Research scholar, Department of Microbiology presented a poster on “Biogenic Synthesis and Antibacterial activity of Iron Oxide ( $Fe_2O_3$ ) Nanoparticles against Carbapenem resistant *Klebsiella pneumoniae*” in International Conference on Nanobiosensors (NBS-2022) organized by Department of Inorganic Chemistry, Madras University, Chennai during September 29-30, 2022.



## October 2022

Dr. A. Arun, Professor and Head, Department of Microbiology has received a consultancy project from Sustainable Hydrogen for Valuable Applications (SHYVA), France with a financial support of Rs. 50,000/- for five months.

Research scholars of Department of Microbiology presented papers in “An International Conference on Antimicrobial Resistance & Microbiome under Changing Climate (AMRMIC-2022)” organized by Department of Microbiology, Pondicherry University, Pondicherry during October 10th -12<sup>th</sup>, 2022.



## January 2023

Two-Day 4<sup>th</sup> International Conference on “Recent Trends in Microbiology (RTM 2023)” was organized by the Department of Microbiology, Alagappa University, Karaikudi on 05.01.2023 at the Science Campus Seminar Hall during 5<sup>th</sup> and 6<sup>th</sup> January 2023.

Conference abstracts in CD (ISBN 978-93-95422-73-4) containing the research papers of RTM 2023 was released by the Vice Chancellor of Alagappa University and received by Prof S. Kamala Kannan Jeonbuk National University, South Korea.

Prof. Gerardo Puopolo, Editor-in-Chief of Elsevier's Microbiological Research and Professor from the University of Trento, Italy gave inaugural address via online mode.

Dr. A. Arun, Professor and Head, Convener welcomed the gatherings and gave thematic address of RTM 2023 event. Dr.T. Kavitha Assistant Professor, organizing committee member proposed vote of thanks.



- Dr. A. Arun, served as Chief Guest at the Inaugural function and gave Invited Speaker at the International Conference on Integrated Sciences for Sustainable Future- Sci Tech 2023, organized by Department of Microbiology and Zoology, Nadar Saraswathi College of Arts and Science, Theni on 19.01.2023.



**February 2023**

D. Monica, Research Scholar, Department of Microbiology presented a poster on “Production and purification of Exopolysaccharide from backwater cyanobacteria for plant growth promotion under saline condition” in “Recent Trends in Microbial Biotechnology RTMBT-2023” organized by the Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli-24 on 24<sup>th</sup> February 2023.



**March 2023**  
**WOMEN'S CLUB – 2022-2023**

**REPORT**

On behalf of “**Women’s club**”, Department of Microbiology Women’s day was celebrated on 8<sup>th</sup> March 2023. The “**Women’s club**” Co-ordinator **Dr. T. Kavitha** preside over the contest. Students and scholars were actively took part. Students exhibited their cultural talents and entertained the gathering. Earlier, Ms. P. Sowmiya II-M.Sc. Microbiology welcomed the gathering. The session ended with a vote of thanks proposed by Ms. A. Asha I-M.Sc. Microbiology.



**VEP Program**

Three days VEP program was conducted at Ariyakudi village, Sivaganga District on 10 to 13 March 2023. Our II M.Sc., Microbiology students extended their service to the village by cleaning, conducting medical camp and making aware on reduction plastics.

On 10<sup>th</sup> March 2023, 40 students and faculty members of Department of Microbiology started from Science Campus around 9:30 AM to Ariyakudi for Village Extension Programme (VEP). Forty students from II M.Sc., Microbiology and faculty members actively extended their service to Ariyakudi village. They involved in Socio economic survey, Rally to make awareness about cleanliness, Cleaning the perumal temple premises, conducting yoga to the School students,

Wall painting in government elementary school wall (about cleanliness) and medical camp with KMC hospital.



### Door to Door Awareness Campaign on 10.03.2023





## Yoga Practice for Ariyakudi Elementary School Students on 10.03.2023



## Medical Camp with KMC Hospital Karaikudi on 11.03.2023



## School campus cleaning and Tree sapling on 11.03.2023



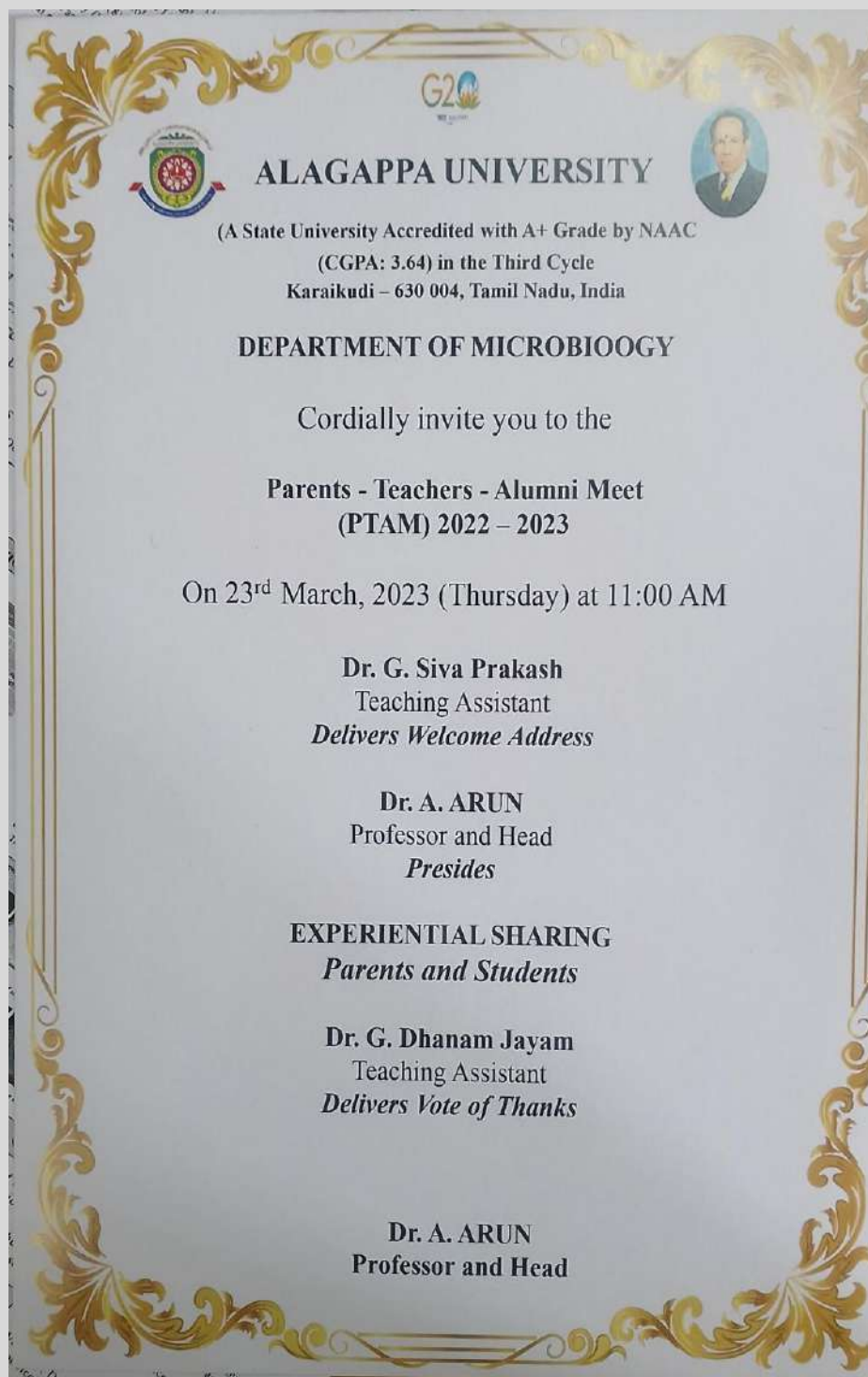
## Rally to make awareness on cleanliness on 12.03.2023



## Wall Painting on Elementary School wall on 12.03.2023

- Dr. T. Kavitha, Assistant Professor, delivered invited Talk on “Microbial Products for health and Sustainable Environment”, In the Department of Zoology, Kalaignar Karunanithi Government College for Women (A), Pudukkottai, on 15.03.2023.

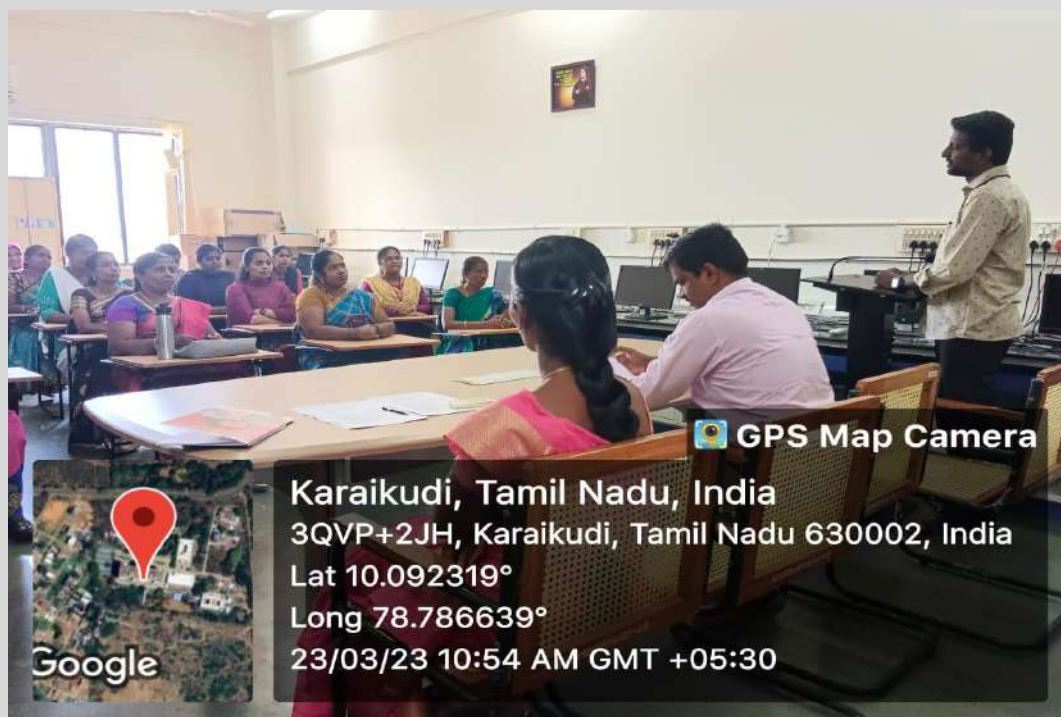
### Parents-Teachers-Alumni meet (PTAM) 2022-23



## Report On Parent Teachers and Alumni Meeting For M.Sc Microbiology

Department of Microbiology, Alagappa University, Karaikudi conducted parents teachers meeting (PTA) for the students 2022-2023 batch and Alumni meet on 23<sup>rd</sup> March 2023 (Thursday) at 10.30 AM in Department of Microbiology, Science Campus, Alagappa University. Around 30 parents participated in the PTM meeting of 2022-2023 batch. Around 15 students passed out from the department joined the alumni meeting. All the faculty members of Department of Microbiology joined the meeting. Meeting was initiated with prayer song Tamil Thai Valzhthu and Vallal Valzhthu.

Dr. G. Sivaprakash Teaching Assistant delivered welcome address by cordially welcoming all the parents, students and the alumni to the meeting.



Prof. A. Arun, Head Department of Microbiology delivered the presidential address. In his presidential address sir elaborated about the rules and regulations followed in the Department. Sir also explained, facilities available, organizing various conferences seminars which will make the student more confident in their research activities and future job opportunity after completing Master degree.



Parents actively participated in interacting with faculty members, about student's curricular and extracurricular activities. They further asked about job opportunity and higher studies. Faculty members explained the opening for microbiologist in India as well as in abroad. Parents gave good feedback on the teaching and research facilities available in the Department.

Alumni shared their good memories in the department of microbiology, Alagappa University, and assured the experience gathered here will definitely help for development own career. Also shared the career opportunity in the field of microbiology after pandemic situation.



Dr. G. Dhanam Jayam, Teaching Assistant proposed vote of thanks. The PTM and the Alumni meeting came to an end with National anthem.



Dr. A. Arun, gave keynote address at the National Conference on Interdisciplinary Approaches on Dynamics of Bioscience Research (IADBR - 2023) organized by Faculty of Biosciences, Dr. N.G.P. Arts and Science College, Coimbatore and also delivered invited lecture at the Fifth Louis Pasteur Memorial Endowment Lecture at the Department of Microbiology at Dr. N.G.P. Arts and Science College, Coimbatore on 28.03.2023.





### **May-June 2023**

- Dr. A. Arun, Professor and Head, presented a paper titled “Solid wastes 2023: Waste Management in Circular Economy and Climate Resilience” at the International Conference organized by the Hong Kong Baptist University from 31<sup>st</sup> May to 3<sup>rd</sup> June 2023 at Hong Kong Convention and Exhibition Centre, Hong Kong.