M.S RAMAIAH COLLEGE OF ARTS, SCIENCE AND COMMERCE

MICROBIOLOGY INSIGHTS

Department of Microbiology, MSR College of Arts, Science and Commerce, Gate Number: 8, MSR Nagar, MSRIT Post, Bangalore-54

www.msrcasc.edu.im

E-mail: microbiology@msracasc.edu.in



Principal

Dr. Vatsala G

Vice Principal

Dr. Pushpa H

Editorial Board

Dr. Prasanna Srinivas Dr. Vemula Vani Mr. Vishal M

Advisory Board

Dr. Pushpa H

- Dr. Snehalatha V Mrs. Soumya Satyanand Shanbhag
- Dr. Yogesh D
- Dr. Juliya Rani Francis
- Dr. Ramesha A
- Dr. Manikandan A
- Dr. Bhanupriya CH
- DR. Nimitha Venugopal C
- Dr. Akshata G Athreya

Vision of the Department

To Prepare Men and Women For the Service of the Country

Mission of the Department

Ramaiah College of Arts, Science and Commerce shall deliver global quality educations by nurturing a conductive learning environment for a better tomorrow through continuous improvement and customization

Objectives of the Department

- To Provide Skill based Scientific and Technical Knowledge to Students.
- To Train Students in the Field of Microbiology, Provide Value-based Education with Innovative Research.
- To Undertake Research Activities Relevant to Present Day Needs.

ABOUT THE DEPARTMENT



The Department of Microbiology was established in I999, offers a wide range of undergraduate and postgraduate courses, ensuring comprehensive education and research opportunities in this field. The department boasts a faculty of highly qualified experts who bring with them vast experience and expertise in various domains of Microbiology. Their commitment to teaching and research is reflected in their active involvement in cutting-edge research projects and their contributions to scientific publications and conferences. The department is equipped with state-of-the-art infrastructural facilities, including modern laboratories and research equipment, creating an ideal environment for teaching, experimentation, and innovation. Additionally, the department maintains strong collaborations with industry partners, providing students with valuable industry exposure and internship opportunities. The emphasis on research, professional development workshops, and a collaborative atmosphere nurtures the overall growth of students, preparing them for successful careers in academia, research, or the industry.

VICE PRINCIPAL'S MESSAGE

Greetings from M.S. Ramaiah College of Arts, Science and Commerce, Bengaluru, an institution with excellence in the field of education. The college has a State-of-the-art infrastructure, with well-equipped laboratories and smart classrooms. We have dedicated experienced and well-qualified faculty members who give their best to curricular, cocurricular, and extra-curricular activities in the college. To bridge the gap between industry and academia the college has collaborated with various industries, research institutes, and corporates to train and make the students industry ready. The syllabus prescribed by the university is enriched with add-on courses, workshops, training programs, additional practical, outreach activities, Industrial visits, and cutting-edge research, internships, soft skills training makes MSRCASC unique.



DR. PUSHPA H VICE PRINCIPAL, MSRCASC

HOD'S MESSAGE

"I would like to highlight that our theory and practical classes place a strong emphasis on problem-based learning, ensuring that students gain knowledge that holds utility value and can be applied in real-life scenarios, keeping them updated with the latest developments in the field. Moreover, the department is actively engaged in research projects in the major thrust areas of microbiology, and we have successfully secured funds from various agencies to support our research endeavors.

I take great pride in our dedicated faculty, who not only conduct multidisciplinary research programs but also foster a culture of research among our students. We encourage them to undertake in-house research projects, present papers and publish their research work. Additionally, we encourage students to actively participate in cocurricular and extra-curricular activities, creating a well-rounded and enriched learning experience for all".



DR.PRASANNA SRINIVAS HOD MSRCASC

FACULTY MEMBERS

Dr. Pushpa H

Dr. Snehalatha V

Associate Professor

Dr. Juliya Rani Francis

Qualification: M. Sc., Ph. D.

Host-pathogen interaction

Area of Specialisation: Microbial Ecology,

Qualification: MSc, M.Tech, Ph.D. Microbiology

Area of Specialisation: Drug discovery

Area of Specialisation: Microbiology

Assistant Professor

Dr. Manikandan A

Assistant Professor

Dr. Nimita Venugopal C

Oualification: M.Sc., Ph.D

(Antimicrobial Resistance)

Assistant Professor

Microbiology

Qualification: Msc(Ag).,Ph D, NET

Professor and Vice Principal Qualification: M.Sc, M.Phil, Ph.D Area of Specialisation: Mycology, Biodiversity, Bioremediation, Molecular taxonomy, Bioprospecting





Mrs. Soumya Satyanand Shanbhag Assistant Professor Qualification: MSc Microbiology, SET, (Ph.D) VTU Area of Specialisation:

Area of Specialisation: Agriculture Microbiology







Mr. Vishal M Assistant Professor

Oualification: MSc. Ph.D. Area of Specialisation: Medical Microbiology, Enzymology, Phytochemistry





Assistant Professor and HOD **Oualification:** M.Sc. M.Phil. Ph.D Area of Specialisation: Medical Microbiology, Immunology and enzymology

Dr. Vemula Vani

Associate Professor Qualification: M. Tech., PhD Area of Specialisation: Drug Discovery

Dr.Yogesh D Assistant Professor Qualification: M.Sc, Ph.D, CSIR-NET, ASRB-NET Area of Specialisation: Microbiology





Dr.Ramesha A

Assistant Professor Qualification: M.Sc., PhD., KSET Area of Specialisation: Microbiology

Dr. Bhanupriya C.H

Assistant Professor Qualification: MSc Microbiology, PhD Plant Biotechnology, Indian Institute of Technology Kharagpur Area of Specialisation: Plant Biotechnology

Dr. Akshata G Athreya

Assistant Professor Qualification: M.Tech, Ph.D. Biotechnology Area of Specialisation: Nanotechnology, Biotechnology, Microbiology











Bengaluru, January I6, 2023 - The Institution Innovation Council, the Department of Microbiology, and the Intellectual Property Rights cell of M S Ramaiah College of Arts Science and Commerce united to commemorate National Startup Day with a captivating interaction session. The event featured esteemed Director of Urvee Products, Ms. Rekha, who shared her entrepreneurial journey and insights with nearly 300 enthusiastic students at the prestigious Abdul Kalam Auditorium.

Coordinated by representatives of Urvee Products, Ms. Rekha Mavinkurve and Ms. Nandini Karanje, the session aimed to inspire and educate young minds about the challenges and triumphs of starting a business. The remarkable journey of Urvee Products, known for its 25-year history of innovation and success, served as a beacon of entrepreneurial excellence.

Ms. Rekha and her team provided an in-depth account of their entrepreneurial expedition, sharing the hurdles they overcame and the strategies they employed. Their captivating story instilled motivation and a drive for the students to explore their own entrepreneurial aspirations.

Beyond storytelling, the Urvee Products representatives enlightened the students about their diverse range of products, showcasing the potential and impact of startups in various industries. This discussion encouraged creative thinking and highlighted the limitless possibilities within the realm of entrepreneurship.

Furthermore, the event served as a platform to discuss the numerous startup opportunities available to students in the current ecosystem. Ms. Rekha and her team emphasized the importance of cultivating innovative ideas, honing skills, and leveraging the resources and support available in educational institutions. The session provided a roadmap for aspiring entrepreneurs, empowering them with knowledge and guidance to kickstart their ventures.

The National Startup Day celebration at M S Ramaiah College was a resounding success, leaving participants enriched and inspired. Students departed equipped with valuable insights into the startup world, fostering a spirit of innovation and entrepreneurship within the academic community.

The Institution Innovation Council, the Department of Microbiology, and the Intellectual Property Rights cell demonstrated their dedication to nurturing and supporting the entrepreneurial aspirations of students. By organizing events like these, they strive to create a vibrant ecosystem that encourages creativity, problem-solving, and the pursuit of impactful startups.

As National Startup Day gains recognition and momentum, such events play a crucial role in the growth and success of the startup ecosystem. The collaborative efforts of M S Ramaiah College and the participation of Urvee Products exemplify the commitment required to foster a culture of innovation and entrepreneurship.

The interactive session with the Director of Urvee Products left a lasting impact on attendees, fueling their entrepreneurial dreams and inspiring them to take the first step towards realizing their ambitions. The event served as a reminder that the journey of entrepreneurship begins with a spark of inspiration, and with the right support and guidance, aspiring entrepreneurs can transform their ideas into impactful ventures that shape the future.

MICROFEST 2K23: CELEBRATING MICROBIOLOGY AND ENCOURAGING EXPERIENTIAL LEARNING

M S Ramaiah College of Arts, Science and Commerce, Bengaluru, January 25, 2023 - The Department of Microbiology at M S Ramaiah College recently organized Microfest 2k23, a highly anticipated annual event focused on promoting co-curricular activities and fostering experiential learning among students. Held from January 9th to January 25th, the festival attracted a remarkable turnout and showcased the enthusiasm and talent of students in the field of Microbiology.

Under the theme of "ANTI-MICROBIAL RESISTANCE AND DRUG DISCOVERY," Microfest 2k23 aimed to raise awareness about the critical issue of antimicrobial resistance and encouraged students to explore the subject through various activities and competitions. The festival provided a platform for students to engage with the latest trends and advancements in Microbiology, fostering a spirit of participative learning.





With an impressive total of 230 participants, Microfest 2k23 featured a diverse range of competitions and activities that allowed students to demonstrate their knowledge, skills, and creativity. The event's success was a testament to the passion and dedication of the students.

To ensure a seamless experience, several committees were formed, including the Registration committee, Event committees, Discipline committee, and Certification committee. Guided by experienced faculty members of the Microbiology department, these committees meticulously planned and coordinated every aspect of the festival.

Mrs. Soumya Shanbhag and Dr. Vemula Vani, both from the Department of Microbiology, played vital roles as coordinators of Microfest-2k23. Their dedication and guidance were instrumental in orchestrating a well-organized and engaging event.

The festival commenced with an inaugural ceremony on January 9th, graced by the Principal, Dr. Vatsala G., and Vice-Principals Dr. Pushpa H. and Prof. Jayarama. Events like Bio Rangoli and Just a Minute (JAM) kick-started the festivities, allowing participants to showcase their creativity and knowledge. The festival also included engaging activities such as Heads up, Face Painting, Petri Art, Model Making, Lab Hunt, Fermented Foods, and Logo Making.

Microfest 2k23 provided a platform for students to immerse themselves in the fascinating world of Microbiology while addressing the urgent issue of antimicrobial resistance. Through its various activities and competitions, the festival successfully encouraged experiential learning and deepened students' understanding of the subject.

The event concluded on a high note, leaving a lasting impression on all participants and reaffirming the significance of co-curricular activities in the field of Microbiology. Microfest 2k23 not only celebrated student achievements but also served as a stepping stone for their future endeavors in the field, inspiring them to make a meaningful impact.



INDUSTRIAL VISIT: STUDENTS GAIN VALUABLE INSIGHTS ON MICROBIOLOGY FIELD DURING EDUCATIONAL VISIT

An educational visit to various esteemed institutes proved to be a transformative experience for the postgraduate students from the Department of Microbiology (2022 - 2023). Accompanied by distinguished faculty members, Dr. Sathish and Dr. Sowbhagya, the students embarked on a knowledgefilled journey on Monday, I3th March 2023. The excursion took them to prominent establishments, including Manipal School of Life Sciences, Manipal Museum, Dakshina KMF, Janatha Fish Meal & Oil Products, and Shri Ganesh Cashew Industry. This immersive experience offered the students an invaluable opportunity to deepen their understanding of research work and witness production activities within the microbiology field.

Manipal School of Life Sciences and Manipal Museum (I3/03/2023:

The enthralling visit began at Manipal School of Life Sciences, an eminent biotechnological institute situated at Kasturba Medical College, Manipal. Since its establishment in 2002, the school has earned recognition for its groundbreaking research and development departments. During their visit, the students had the privilege of meeting Dr. K P Guruprasad, Associate Director - Research and Head of the Department of Ageing Research. They were also granted access to the Manipal Museum of Anatomy and Pathology, where they witnessed a fascinating display of anatomical structures and pathological conditions.



Dakshina Kannada Cooperative Milk Producers Union Ltd. (13/03/2023:

The educational journey then led the students to the Dakshina Kannada Cooperative Milk Producers Union Ltd. (DKMF), a renowned organization overseeing dairy production in the Dakshina Kannada and Udupi coastal districts. The students were exposed to the intricacies of milk collection, chilling, and processing through automatic computerized units. DKMF's commitment to high-quality milk production for both domestic and international markets left a lasting impression on aspiring microbiologists.

Janatha Fish Meal and Oil Products (I4/03/2023):

On the following day, the students visited Janatha Fish Meal and Oil Products, a revered industry established in I989. They marveled at the diverse range of products, including fish meal, fish oil, and agro-fertilizers. Witnessing the production processes and the industry's dedication to minimizing environmental impact through wastewater treatment and air pollution reduction left the students inspired by the company's sustainable practices.



Shri Ganesh Cashew Industry (I4/03/2023:

The enlightening journey reached its pinnacle at Shri Ganesh Cashew Industry, a significant player in the cashew industry located in Mulligade, Kaikini Bhatkal. Students were captivated by the role this industry plays in the global market, and they gained insight into the cashew production processes employed. The industry's commitment to quality and sustainable practices left a lasting impact on the aspiring microbiologists.



STUDENTS ACHIEVEMENTS

- Smruthi Bhat has achieved the remarkable accomplishment of securing the 2nd University Rank in B.Sc -MB/GEN/BC
- Anushka Banerjee has accomplished a significant milestone by securing the 3rd University Rank in B.Sc
 MB/GEN/BC.
- Prakriti B has secured the Ist Rank in M.Sc Microbiology.
- Dfeny Duming Lopes has achieved 2nd Rank in M.Sc Microbiology.
- Guttina Sripriya Srinivashas achieved 3rd Rank in M.Sc Microbiology.
- Ruchi Jhawar has secured 4th Rank in M.Sc Microbiology.
- Syeda Nargis Mehdi has secured 5th Rank in M.Sc Microbiology.
- Kalicharan H C K, has secured admission to the M.Sc Life Sciences Programme at the prestigious Indian Institute of Science, Bangalore.
- Shravya has secured admission to the M.Sc Life Sciences Programme at the prestigious Indian Institute of Science, Bangalore.
- Megha R has successfully completed the NPTEL online certification course offered by the Indian Institute of Technology Kharagpur. Her registration number for the course is NPTEL23CY30S33234208. The course was funded by the Ministry of Education, Government of India, and took place from January to April 2023.
- Pragna DS has successfully completed the NPTEL online certification course offered by the Indian Institute of Technology Kharagpur. Her registration number for the course is NPTEL23CY3053323368 the course was funded by the Ministry of Education, Government of India, and took place from January to April 2023.

The Department of Microbiology, along with the staff and management of MS Ramaiah College of Arts, Science and Commerce extends heartfelt congratulations to all our achievers. We commend their hard work and dedication, and we wish them continued success in their future endeavors.



2ND UNIVERSITY RANK: SMRUTHI BHAT B.SC - MB/GEN/BC



2ND UNIVERSITY RANK: DFENY DUMING LOPES M.SC - MICROBIOLOGY



3RD UNIVERSITY RANK: ANUSHKA BANERJEE B.SC - MB/GEN/BC



3RD UNIVERSITY RANK: GUTTINA SRIPRIYA SRINIVAS M.SC - MICROBIOLOGY



5TH RANK SYEDANARGIS MEHDI M.SC -MICROBIOLOGY



IST UNIVERSITY RANK: PRAKRITI.B M.SC - MICROBIOLOGY



4TH RANK RUCHIJHAWAR M.SC -MICROBIOLOGY

FACULTIES ACHIEVEMENTS

- Dr. Prasanna Srinivas.R has achieved a significant milestone by securing the second position in the Oral presentation category at the Society of Agriculture Research and Social Development's 5th International Conference held in New Delhi in 2022.
- Dr. Prasanna Srinivas.R has achieved a commendable accomplishment by securing the third position in the Oral presentation category at the International E-conference organized by the Microbiologists Society, India.
- A patent filed by Dr. Ramesha A and Dr. C. Srinivas in the Republic of South Africa showcases a method for the production and characterization of Oosporein from the endophytic fungus Cochliobolus 2022/13756, kusanoi. The patent number you access further is and can details at https://iponline.cipc.co.za/.
- A patent filed by Dr. Ramesha A and Dr. C. Srinivas in the Republic of South Africa showcases a method for the production and characterization of Oosporein from the endophytic fungus Cochliobolus kusanoi. The patent number is 2022/13756, and access further details you can at https://iponline.cipc.co.za/
- Mrs. Soumya S Shanbhag has successfully completed the NPTEL online certification course on "Essentials of Biomolecules: Nucleic Acids and Peptides" offered by the Indian Institute of Technology Kharagpur. Her registration number for the course is NPTEL22CY03S33I94II5 the course was funded by the Ministry of Education, Government of India, and took place from January to April 2023.
- Mrs. Soumya S Shanbhag has successfully completed the NPTEL online certification course on "Enzymes Science and Technology" offered by the Indian Institute of Technology Kharagpur. Her registration number for the course is NPTEL23BT05S33233277 the course was funded by the Ministry of Education, Government of India, and took place from January to April 2023.
- Dr. CH Bhanupriya has successfully completed the NPTEL online certification course on "Enzymes Science and Technology" offered by the Indian Institute of Technology Kharagpur. Her registration number for the course is NPTEL23BT05S43232529 the course was funded by the Ministry of Education, Government of India, and took place from January to April 2023.
- Dr. CH Bhanupriya has successfully completed the NPTEL online certification course on "Experimental Biotechnology" offered by the Indian Institute of Technology Kharagpur. Her registration number for the course is NPTEL22BT60S647553I4 the course was funded by the Ministry of Education, Government of India, and took place from January to April 2023.

PUBLICATIONS

- We are pleased to feature Dr. Nimita Venugopal C's groundbreaking research article titled "Occurrence and Characterization of Genetic Determinants of Beta-lactam Resistance in E. coli clinical infections" in the prestigious journal Infection, Genetics and Evolution. The article, published with the ISSN I567-I348, showcases Dr. Venugopal's extensive work and contribution to understanding genetic mechanisms of antibiotic resistance. The article, with an impressive impact factor of 3.34, can be accessed at https://doi.org/I0.I0I6/j.meegid.2022.I05257. We applaud Dr. Nimita Venugopal C for this significant accomplishment and their valuable insights in the field of infection genetics and evolution.
- We are thrilled to showcase the remarkable research of Dr. Manikandan A in the esteemed journal Anticancer Agents in Medicinal Chemistry. Dr. Manikandan's article titled "Apoptosis inducing metabolite from marine mangrove actinobacteria VITGAPI73" presents groundbreaking findings in the field of anticancer agents. The article, published with the ISSN 1871-5206, holds a notable impact factor of 2.57 and can be accessed through the DOI: 10.2174/1871520622666220523155905. We commend Dr. Manikandan A for their significant contribution to the field of medicinal chemistry and their dedication to advancing our understanding of potential anticancer treatments derived from marine sources.
- We are proud to highlight the groundbreaking research of Dr. Nimita Venugopal C in the esteemed journal Pathogens. Dr. Venugopal's research article titled "Molecular Characterization of Methicillin-Resistant Staphylococci from the Dairy Value Chain in Two Indian States" presents valuable insights into the genetic makeup of methicillin-resistant staphylococci in the dairy industry. The article, published with the ISSN 2076-0817, boasts an impressive impact factor of 4.5 and can be accessed through the identifier pathogensI2020344. We commend Dr. Nimita Venugopal C for their significant contributions to the field of pathogens and their dedication to understanding and mitigating the spread of antibiotic resistance in the dairy value chain.
- We are excited to showcase the collaborative research efforts of Dr. Vemula Vani, Dr. Snehalatha V, Dr. Rachel Nishitha, Dr. Hima S, Dr. Arpitha B Hegde, and Dr. Manikandan Alagumuthu in the esteemed journal Current Computer-Aided Drug Design. Their research article titled "In silico analysis of natural inhibitors against HPV E6 protein" presents a comprehensive analysis of natural inhibitors targeting the HPV E6 protein. Published with the ISSN I573-4099, the article holds a notable impact factor of I.6. To access the article, please visit https://www.eurekaselect.com/article/I30I07. We applaud the collaborative team for their valuable contributions to computational drug design and their efforts in identifying potential inhibitors for HPV-related diseases.

- We are proud to highlight the groundbreaking research of Dr.Vemula Vani, Dr. Amarnath Satheesh Marudamuthu, Dr. Sanjay Prasad, Dr.Suman B M, Dr.Mamatha S E, Dr. Swathi A, Dr. Priyanka Seal, and Dr. Manikandan Alagumuthu in the esteemed journal, Journal of Biomolecular Structure and Dynamics. Their research article titled "Fragment-based design and MD simulations of Human Papilloma Virus-I6 E6 protein inhibitors" presents innovative insights into potential inhibitors targeting the HPV E6 protein. The article, published with the ISSN I538-0254, boasts an impressive impact factor of 6.25. You can access the article through the following DOI: https://doi.org/I0.I080/0739II02.2023.2203775. We commend the researchers for their significant contributions to the field of biomolecular structure and dynamics and their dedication to advancing our understanding of potential therapeutic interventions against HPV.
- We are pleased to announce that Dr. Prasanna Srinivas.R's research article titled "Hydrothermal production, characterization, antibacterial activity, and humidity sensor application of cerium oxide nanoparticles" has been prominently featured in the prestigious SEYBOLD Report. This publication, holding the ISSN I533-92II, provides valuable insights into the hydrothermal synthesis and diverse applications of cerium oxide nanoparticles, including their antibacterial properties and humidity sensing capabilities. The article's notable SJR Index of 0.I reflects its significant impact in the field. We congratulate Dr. Prasanna Srinivas.R for this remarkable achievement, highlighting their expertise and contribution to advancing knowledge in this area of research.
- We are delighted to highlight the research conducted by Dr. Juliya Rani Francis, which has been published in the esteemed International Journal of Tropical Insect Science. Dr. Francis's research focuses on exploring the phylogeny, chitinase activity, and pathogenicity of Beauveria, Metarhizium, and Lecanicillium species against Cowpea aphid (Aphis craccivora Koch), The International Journal of Tropical Insect Science, with an impact factor of I.02, serves as a valuable platform for gaining insights into insect-pathogen interactions in tropical ecosystems. Dr. Juliya Rani Francis's research contributes significantly to our understanding of these interactions and their implications. We applaud Dr. Francis for her exceptional work and dedication to advancing knowledge in the field of tropical insect science.
- We are pleased to acknowledge the noteworthy contributions of Dr. Manikandan A's research across different journals. In the journal Computers in Biology and Medicine, Dr. Manikandan investigates the inhibitory effects of novel imidazolidines on the SARS-CoV-2 Spike B.I.I.529 protein through in silico analysis. This research, published with the ISSN 00I0-4825, contributes to our understanding of potential therapeutic options against SARS-CoV-2. The journal itself holds an impressive impact factor of 6.7, highlighting its significance in the field, Furthermore, in the journal Chemical Biology & Drug Design, Dr. Manikandan presents the development of imidazolidine-based aspartate inhibitors as novel anti-candida agents. This research, published with the ISSN 1747-0285, demonstrates Dr. Manikandan's innovative approach in combating candida infections. The journal's impact factor of 2.87 further attests to its influence in the field of chemical biology and drug design, We commend Dr. Manikandan A for these exceptional research contributions, which advance knowledge and hold significant implications for addressing critical healthcare challenges.
- We take pride in recognizing the research conducted by Mrs. Soumya S Shanbhag, which is published in the esteemed Journal of Mines, Metals and Fuels. Mrs. Shanbhag's research primarily revolves around investigating the bio-sorption potential of microorganisms in mitigating heavy metal lead contamination. This study offers valuable insights into bioremediation strategies for addressing the issue of heavy metal pollution. The Journal of Mines, Metals and Fuels, with the ISSN 0022-2755, serves as a significant platform for disseminating knowledge in this field. Its impact factor of 0.II7 highlights its contribution to the scientific community. We applaud Mrs. Soumya S Shanbhag for her dedicated research efforts and her valuable contributions to the understanding of bioremediation strategies for heavy metal pollution.

"MEMORABLE MOMENTS: A GLIMPSE OF OUR JOURNEY IN PICTURES"







MICROFEST-2K23 on the theme "Antimicrobial Resistance and Drug Discovery" on 9th to 25th January 2023





```
RAMAIAH
College of Arts, Science
& Commerce
```

Workshop on Differential gene expression analysis

Departments of Life Science organizes

Workshop on "Starting your RNA- seq Journey-

Differential gene expression (DGE) analysis" In association with

MEDIOMIX DIAGNOSIS AND BIORESEARCH PRIVATE LIMITED

Resource Persons

- 1. Dr Agnik Maldar, Research Associate Scientist
- 2. Ms. Prachi Sharma , Application Scientist
- 3. Ms. Shilpa, Senior genome Analyst
- 4. Ms. Rochita Choudhary, Application Scientist

Date:20TH March 2023

Venue: Computer Science Laboratory Time: 10 am to 2:30 pm







State Level Best Department Award by Microbiologist Society, India.



Sukshmanika- Microbiologists Society of India, MSRCASC Student Unit

As the department college newsletter comes to an end, we hope that this edition has provided valuable insights, updates, and highlights from our vibrant academic community. We extend our gratitude to the Management, all the contributors, faculty members, staff, and students who have made this newsletter possible.

We encourage everyone to stay engaged with the department's activities, upcoming events, and research endeavors. Let us continue to foster a culture of collaboration, innovation, and excellence in our pursuit of knowledge and academic growth.

We welcome your suggestions, feedback, and contributions for future editions of the newsletter. Together, let's celebrate our achievements, share our stories, and inspire one another to reach new heights.

Thank you for being a part of our dynamic department and we look forward to the next edition of the newsletter.

Best wishes,

Department of Microbiology, Newsletter Team