

**Chief Patron**

**Dr. S. Jagathrakshagan**  
Chairman

**Patrons**

**Dr. J. Srinisha**  
Managing Trustee

**Er. N. Elamaran**  
Managing Director

**Chief Advisor**

**Dr. P. Sasikumar**  
Dean

**Advisory Board**

**Dr. M. Soundarajan**  
Vice Chancellor

**Dr. S. Bhuminathan**  
Registrar

**Dr. R. Veerabahu**  
Advisor

**Dr. D. Manoharan**  
Medial Superintendent

**MESSAGE FROM THE EDITOR**

Dear Readers,

Greetings!

We are glad to state that the launch of our SBMCH Herald, since this is the first edition of the newsletter this Year, we are confident it will be successful and wish it all the best. You may anticipate receiving a selection of our best stories directly in your inbox every three months. We hope to be the Herald to connect you with people to reach with news and information you may not be getting anywhere.

In this issue, we will narrate various happenings of SBMCH. We are proud to share that our esteemed faculty members have published eight Patents. These Patents span various disciplines in medical science and reflect the on-going commitment of our academic community to advancing research, clinical knowledge, and evidence-based practice.

The newsletter is more than just a record of events; it's a mirror of our collective spirit and aspirations. As you turn these pages, we hope you find inspiration, pride, and a renewed connection to the heartbeat of our institution. Huge thanks to the entire department who contributed the inspiring articles, without which there wouldn't have been this newsletter issue.

Last but not the least, we would like to thank our management, The Chancellor, Pro-Chancellor, Vice-Chancellor, Registrar, Advisor, Dean, and the Faculty members of SBMCH for their everlasting support throughout the creation of this edition.

*Editorial Committee*

**Vol 12, Issue -1, Jan to Mar 2025; P- 1**

## **PONGAL CELEBRATION**

Pongal is a harvest festival of Tamil Nadu, offers a wonderful opportunity to unite students and faculty members in the spirit of joy, tradition, and togetherness, celebrating Pongal with great enthusiasm, transforming their campuses into hubs of culture and festivity. Students dress in traditional attire—girls in elegant sarees and boys in dhotis creating a colorful and festive atmosphere.



## **GUEST LECTURE**

Department of General Surgery organised a guest lecture on Approach to Occlusive Peripheral Vascular Disease and Overview on Recent Advances on 22-01-2025. Speaker: Dr. Shanmugavelayutham, Vascular Surgery, TNGMSSH, Chennai. Peripheral vascular occlusive disease (also known as peripheral artery disease or PAD) is a circulatory problem where arteries that supply blood to the legs (and sometimes arms) become narrowed or blocked, reducing blood flow.



## **GUEST LECTURE**

The Department of OBG organised a guest lecture on Recent advances in Endometrial cancer” on 24-01-2025. Guest speaker - Dr Vijayashanti T, MS OG, Fellowship in Gynaec-



surgical oncology, FMAS, Assistant Professor, Gynae-Oncology at SRMC, Chennai. The guest lecture emphasised New staging of Endometrial cancer - FIGO 2023 – advantages and limitations, Integration of histological subtypes and incorporation of LVSI in staging, Molecular genetics in endometrial cancer and how it influences management and prognosis, Ovarian involvement in endometrial cancer and the staging of the disease.

involvement in endometrial cancer and the staging of the disease.

## **REPUBLIC DAY CELEBRATIONS**

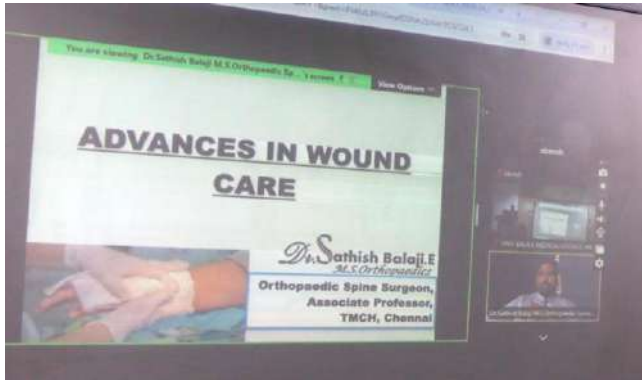
On the auspicious morning of the 26th. Jan, our institutions celebrated 76th. Republic Day with great enthusiasm. It was a matter of great pride for all. As we celebrate the adoption of our Constitution, let us remember the sacrifices of our forefathers and pledge to uphold the values of justice, liberty, equality, and fraternity, working towards a brighter future for India.



## **HYBRID NATIONAL CONFERENCE**

The Department of Pharmacology organised a hybrid national conference on “From Bench to Bedside: Multidisciplinary Innovations in wound care” on 28.01.2025. Speakers: Dr. M.Susruthan, Professor and Head, Dept of Pathology, Indira Medical College, Dr. Namrata K. Bhosale, Associate Professor, Dept of Microbiology, Vinayaka Mission's

Medical College, and Hospital, Dr. Khushboo Bisht, Assistant Professor, Dept of Pharmacology, AIIMS, Nagpur, Dr. Sathish Balaji. E, Associate Professor, Dept of



Orthopaedics and Traumatology, Tagore Medical College and Hospital, Dr. Raghupathy, Professor, Dept. of General Surgery, Sree Balaji Medical College and Hospital. TOPIC's; Pathological Aspects of Wound Healing. Microbiological Aspects of Wound Healing,

Pharmacological Aspects of Wound Care, Case-Based Learning: Insights through Practical Scenarios.

### **OUTREACH ACTIVITIES**

Free Medical camp conducted at Sai Baba Foundation Elderly home at Ankaputhur on 02/01/2025



Health Awareness Camp In Saibaba Mandapam In Ankaputhur On 9.1.2025



Health Education and Screening camp on 10/01/2025 at SKV School, Manimangalam



Free Medical Camp Shirdi sai karunai illam, mettu street, anakaputhur on 22.01.25



World Leprosy Day is observed on 30/1/2025 to raise awareness about leprosy, also known as Hansen's disease, and to promote sustained efforts to eliminate the disease and the stigma associated with it.

## **GABA-2025**

The Department of Anatomy organised a national conference on “Gastrointestinal System- Basics To Advances” on 6<sup>th</sup> and 7.02.2025



Speakers : Dr. Aishwarya Ramalingam, Professor in Microbiology, SBMCH, Dr. K.Muthu Prathibha Prof and HOD of Physiology SRMC, Dr. Suhail Ahmed, Consultant Surgical Oncologist, Railways Hospital, Chennai. Dr. G. Prabhavathy, Professor of Anatomy, MGMC & RI Pondicherry. Topics: - “Gut Microbiome Odyssey- The Hidden Universe Within”, “Unraveling the Mysteries of Gut-Brain Axis”, “The Gut Revealed: Surgical Anatomy For The Modern Surgeon”, “Unveiling The Complexities of Gut Development”.



## **HANDS ON WORKSHOP ON SEROLOGICAL TESTS IN MICROBIOLOGY**

The Department of Microbiology and Medical Education Unit Conducted a “Hands on workshop on ELISA in Microbiology.” on 15.02.2025. The workshop topic was Demonstration of the ELISA was done by Dr. Mymoonah Risha, Assistant Professor, Department of Microbiology.



The moderator for this workshop was Dr. Aishwarya J Ramalingam, Professor, and Department of Microbiology. The Students who attended the workshop were benefited by the Session.

### **GUEST LECTURE**

The Department of Orthopedics organized a Guest Lecture on “Anterior Approach to Spine” on 18.02.2025. Guest speaker; Dr. Karunakaran, Consultant, Specialist in Minimally Invasive Spine Surgery. The anterior approach to the spine involves accessing the spine from the front, rather than the back. This approach is commonly used for surgeries in the cervical, thoracic, and lumbar spine, offering advantages like direct access to the spine without disrupting back muscles.



### **WORKSHOP ON NERVE CONDUCTION**

The Department of Physiology and Medical Education Unit Conducted workshop on Nerve conduction study and recording of visual evoked potential on 21-02-2025. The workshop topic was demonstrated by Mr. Sasikumar, RMS Technician.



### **GUEST LECTURE ON BENIGN BREAST DISEASES**

Department of General Surgery organized a Guest Lecture On Benign Breast Diseases on 21.02.2025. Guest speaker; Dr. Gayathri Muthukumaran, Professor & Hod, Govt. Stanley Medical College, Chennai, discusses benign breast diseases are non-cancerous conditions that can cause a variety of symptoms, including breast pain, lumps, or nipple discharge, and while most are not life-threatening, some can increase the risk of developing breast cancer later.



### **GUEST LECTURE ON UPDATES IN RADIATION ONCOLOGY- GYNAECOLOGICAL CANCER**

The Department of Obstetrics and Gynecology organised a Guest Lecture on Updates In Radiation Oncology- Gynaecological Cancer on 22.02.2025. Guest Speaker: Dr. B. Deepika R.T, Consultant Radiation Oncologist, MGM Cancer Institute.



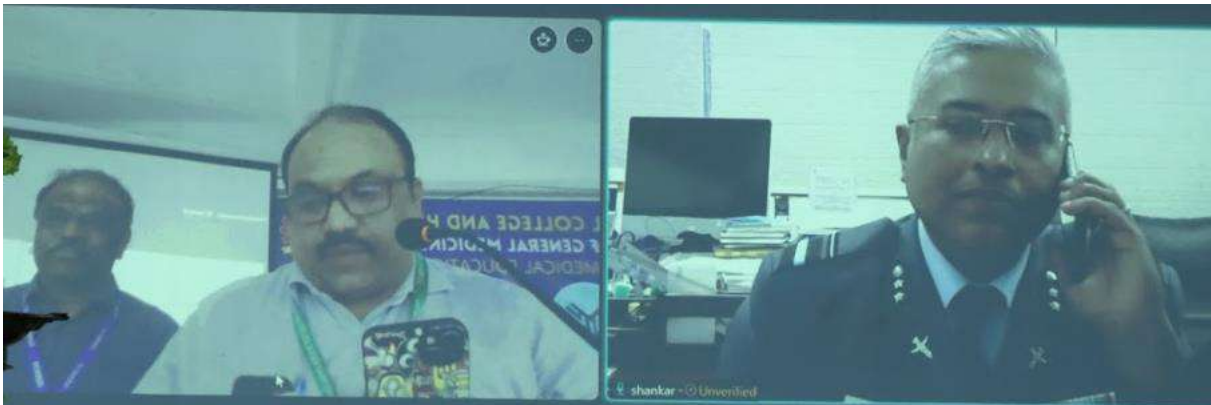
## **RHEUMACON 2025**

Department of General Medicine In Association With Medical Education Unit organised a national conference on RHEUMACON on 28.02.2025. Guest Speakers :



Dr. R.Kathheja Nasika, Consultant Dermatologist Rela Institute And Medical Centre, Dr.Kavitha MM, Consultant Rheumatologist,Kauvery Hospitals, Radial Road, Chennai, Dr. Shruthi Chandrashekharan, Senior Consultant Of Endocrinology, Rela Hospital, Dr. Brig.Prof.Dr.K.Shanmuganandan,Professor Of General Medicine, SBMCH, Dr. A.V.M. Shankar Subramanian,

Professor Of General Medicine, Senior Consultant Rheumatologist". Topics; Artificial Intelligence In Rheumatology, How Biologicals Have Changed The Therapeutic Landscape Of Rheumatology, Current Diagnosis And Management Of Osteoporosis, PET In Rheumatology - Clinical Vignettes, Spectrum Of Dermatological Manifestations In Rheumatological Diseases.



## **OBG - CANCER FREE CHECK UP - OPENING**



## **NATIONAL CONFERENCE ON INNOVATION IN BIOMOLECULAR POINT-OF-CARE TESTING FOR CLINICAL APPLICATION**

Innovation and Incubation Centre for Health Sciences and department of Biochemistry organized a national conference on innovation in Biomolecular Point-of-Care Testing for Clinical Application on 5th March 2025. Guest speaker: Dr. Deepa Boppana, Indian Registered Patent Attorney, spoke about on An Overview on Intellectual Property Rights.



## **Madras Orthopaedics Meeting**



## **AI IN PUBLIC HEALTH RESEARCH**

Department of Community Medicine in collaboration with Medical Education Unit organised Workshop on “Ai In Public Health Research” on 07.03.2025. Guest Speakers; Dr.M.Sakthivel, Assistant Professor, Dept. of Community Medicine, Meenakshi Medical College Hospital & Research Institute, Kancheepuram. Dr.V.M.Anantha Eashwar, Associate Professor, Dept. of Community Medicine, Sree Balaji Medical College And Hospital,

Chennai." His presentation, titled "Literature Review Using AI And Ethics In AI", explored the integration of AI in literature reviews while emphasizing the ethical aspects associated with its use. Dr. Sakthivel discussed various AI models, including Research Rabbit, Perplexity AI, R Discovery, Sci Space, among others, and concluded with a brief hands-on session to demonstrate their practical applications.



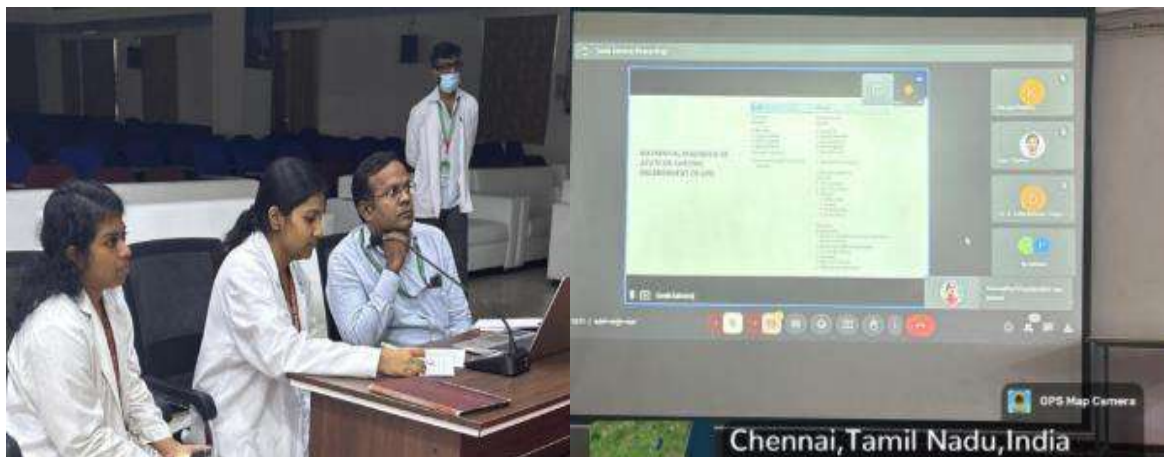
### **INTERNATIONAL CONFERENCE**

Department of Psychiatry in collaboration with the Medical Education Unit organised the International Conference on SLEEP 360 on 14.03.2025. Guest Speakers; Dr. P.R. Devaki, MD, Professor & HOD Physiology / SBMCH, Dr. V. Venkatesh Mathan Kumar, MD, Professor of Psychiatry, Institute of Mental Health, Kilpauk, Dr. Deepa Gopinath, MD, Consultant Psychiatrist, Chennai Mind Clinic, Dr. Benhur Joel Shadrach, MD, DM, Consultant Interventional Pulmonology and Sleep Medicine, Rela Institute, Dr. Boobala Aravindan MD, Consultant Pulmonologist and Sleep Specialist, Farwaniya Hospital, Kuwait.



### **39th DERMATOLOGY INTERCOLLEGE MEET**

Dermatology Inter college Meet (DICM) is a monthly academic virtual meet conducted by the Department of Dermatology, SBMCH on 14.03.25, involving over 10 colleges from all over Tamil Nadu. Each month, Post Graduates from different medical colleges present a unique and interesting case which is discussed by faculties from the various colleges. Topics and Presenters: Dr. Soniya Sree Ramachandra Institute Of Higher Education and Research; A Case Of Orofacial Granulomatosis, Dr. Kavya Prabha, Sree Balaji Medical College And Hospital; Connective Tissue Disorder, Dr.Saranya Cuddalore Medical College; A Case Of Recurrent Focal Warty Dyskeratoma.



### **16<sup>th</sup> GRADUATION DAY**

SBMCH celebrated its 16<sup>th</sup> Graduation Day on 21.03.2025. Chief Guest Mr, Paramasivum Pillay Vyapoory Former Vice-President of Mauritius



## **BALANCE 2025**

The Department of Anaesthesiology in collaboration with the Medical Education Unit organised the International Conference on Global perspective in newer concepts on 25.03.2025. Guest Speakers; Dr Harikumar Sivakumar MBBS and Anaesthetic Diploma and Masters in India. b Fellowship in Interventional Pain Medicine, European Diploma in Anaesthesia and Intensive care and FRCA in the UK, Consultant at St. Andrews hospital UK. Dr. Ramesh MBBS Degree from Thanjavur Medical,, MD Anaesthesia PGIMER Chandigarh., Department of Anesthesia and Critical Care Medicine, Kanchi Kamakoti Childs Trust Hospital, Chennai, Dr. Senthilkumar, MBBS from Thanjavur Medical College, Senior Consultant, Critical Care, at Apollo Hospitals Chennai, Dr. Prem Kumar, Senior consultant, Pain physician- Apollo spectra Hospitals, Chennai."



## **GUEST LECTURE ON GESTATIONAL DIABETES MELLITUS**

The Department of OBG in collaboration with the Medical Education Unit organised a Guest Lecture on Gestational Diabetes Mellitus on 26.03.2025. Guest- Dr. A. Geethalakshmi, Associate Professor Government RSRM Hospital, Stanley Medical College



## GUEST LECTURE



The Department of General Surgery in collaboration with the Medical Education Unit organized a Guest Lecture on The Good, The Bad, The Ugly POV of bacteria In Surgical Infection on 29.03.2025. Speaker; Dr. R. Praveena, Professor & Hod, Dept Microbiology, SBMCH.

## Free Medical Health Camp conducted at Dhaanish Ahmed Engineering College On 04.03.2025.



## Health camp conducted on 06/03/2025 at Balaji Nagar, Anakaputhur



**International Women's Day Awareness Camp Venue: Rural Health Training Centre, Padappai on 08/03/2025**



**Health Awareness Camp In Anna Salai In Ankaputhur On 13.3.2025**



**World Glaucoma Week**

A Rally was conducted on 15.03.25 that we are Observing World Glaucoma week from 09.03.25 to 15.03.25



**Free Medical Camp Conducted By Department Of Community Medicine Rhtc Padappai on 20/03/2025**



**Health Awaress and Free Medical Camp At Sivanandha Foundation Old Age Home on 20/03/2025.**



**Health camp conducted on 27/03/2025 at Shirdi Sai Baba Foundation, Tharappakkam**



### PATENT'S PUBLISHED BY IPR INDIA

S.No	Patent Application No.	Inventor/S Name	Title Of The Patent
1	202541013456	Dr. Krishnagopal Vinod, Dr.Sharanya. K	Wish Needle Guidance Device For Linear Ultrasound Probe
2	202541013457	Dr. Thangavel Muthusamy	A Novel Method To Track Efficiency Of Immune Therapy In Breast Cancer
3	202541013458	Dr. K. Meenakumari J. Jasmine Buelah	A Process Of Preparation Of Polyherbal Infuser Pods Exhibiting Anti-Inflammatory Activity
4	202541017689	Dr. R. Raja	A Process Of Preparation Of Microencapsulated Seaweed Polysaccharides Synbiotics For Inflammation-Induced Metabolic Syndrome
5	202541017690	Dr. Mary Antony Praba	Tag-Along Med-Drones For Elderly At Home
6	202541022956	Dr. Raghuram	An Epidural Anesthesia Infusion System For Prevention Of Inadvertent Injection In Epidural Infusions
7	202541025009	Dr. Sumitha R	Cuffed Stethoscope
8	202541030020	Dr. M.K. Rajasekar Dr. S. Thrupthi	Antral Seeker With Suction

## NEW APPOINTMENT'S

S. No.	Name	Designation	Department
1	Dr. Soni Priya.P.	Senior Resident	General Medicine
2	Dr.R. Manivannan	Professor	General Surgery
3	Dr. Shetty Sachin Karunakar	Associate Professor	Radiodiagnosis
4	Dr. Divya.M.	Senior Resident	Paediatrics
5	Dr. Vignesh.R.	Senior Resident	Dentistry
6	Dr. Satish.R.G.	Senior Resident	Orthopaedics
7	Dr. Sridhar.D.	Medical Officer	ICU
8	Dr. Ramesh.P.	Medical Officer	ICU
9	Dr. Arjun Krishnn.G.	Senior Resident	Orthopaedics
10	Dr. Rajalakshmi.S.	Senior Resident	OBG
11	Dr. Vigneshvar.T.	Senior Resident	General Medicine
12	Dr. Ramki Arunachalam Ganesh	Senior Resident	General Surgery
13	Dr. Mahesh K.G.	Senior Resident	General Surgery
14	Dr. Gayatri Padmanathan	Assistant Professor	Paediatrics
15	Dr. Reshmita Gandhi.C.	Senior Resident	Anaesthesiology
16	Dr. Sankeerthana.M.P.	Senior Resident	DVL
17	Dr. Yasmin Mariam.S.G.	Senior Resident	Anaesthesiology

18	Dr. Shiyam Sundaran.P.	Senior Resident	Radiodiagnosis
19	Dr. Vishnu Prasanth	Senior Resident	Radiodiagnosis
20	Dr. Surya.S.	Senior Resident	Orthopaedics
21	Dr. Harish.N.	Senior Resident	Paediatrics
22	Dr. P. Vigneshwaran	Tutor	Forensic Medicine
23	Dr. S. Sankarshaan	Tutor	Pharmacology
24	Dr. M. Sairam	Tutor	Pharmacology
25	Dr. D. Sreelekha	Associate Professor	Anatomy
26	Dr. J. Suja	Tutor	Anatomy
27	Dr.Mohamed Nasrul Ariffin	Tutor	Forensic Medicine
28	Dr. T. Sriram	Tutor	Pathology
29	Dr. M. Shivani	Tutor	Biochemistry
30	Dr. T.U. Avinash	Tutor	Pathology
31	Dr. M. Narasimman	Senior Resident	Forensic Medicine
32	Dr. M. Sandhiya	Tutor	Microbiology
33	Dr. Shaik Mohammed Afaan	Tutor	Physiology
34	Dr. A. Lokeshbabu	Tutor	Pharmacology
35	Dr. S A Keerthi	Senior Resident	Biochemistry
36	Dr. S. Srivarsha	Senior Resident	Community Medicine

## PROMOTION'S

S. No.	Name	Department	Existing Designation	Promoted as
1	Dr. K. Arun	General Medicine	Associate Professor	Professor
2	Dr. Arivoli.S.	Orthopaedics	Senior Resident	Assistant Professor
3	Dr. Prathiba Rajalakshmi	Radiodiagnosis	Assistant Professor	Associate Professor
4	Dr. Mervin Rosario.P.M.	Orthopaedics	Senior Resident	Assistant Professor
5	Dr. R.Navaneetha Krishnan	Orthopaedics	Senior Resident	Assistant Professor
6	Dr. Nandini MS	Microbiology	Assistant Professor	Associate Professor
7	Dr. G. Vishnu Priya	Pharmacology	Assistant Professor	Associate Professor
8	Dr. K. Sharanya	Microbiology	Associate Professor	Professor
9	Dr. Aishwarya J Ramalingam	Microbiology	Associate Professor	Professor
10	Dr. S. Mymoonah Risha	Microbiology	Senior Resident	Assistant Professor
11	Dr. Jeevprita M S J	Pathology	Senior Resident	Assistant Professor
12	Dr. Libni D Angel	Pathology	Senior Resident	Assistant Professor
13	Dr. Evangeline Cynthia D	Pathology	Senior Resident	Assistant Professor
14	Dr. N. Lakshmi	Community Medicine	Assistant Professor	Associate Professor

# FOCUS ON MICROBIOLOGY

Microbiology answers big questions by giving us knowledge of very small things. Microbiologists are involved in addressing challenges that vary from urgent problems demanding immediate solutions, such as new and emerging diseases, through to long-term issues, like antimicrobial drug resistance. When the discipline of microbiology is strong and intellectually vibrant, we have a better chance of finding solutions to these problems and building a healthier, more sustainable, and more prosperous future.

## Our Strength



## About the Department

The Department of Microbiology has primary responsibilities such as teaching/training, diagnostic laboratory services, research activities, and Hospital infection control. The

department is actively involved in teaching undergraduates and postgraduates. Training and educational events are organized in the form of workshops and CMEs in diverse topics. The Microbiology laboratory is a multidisciplinary unit consisting of Bacteriology, Virology, Mycology, Serology, Immunology, Parasitology, Mycobacteriology and Molecularbiology provides a gamut of advanced and novel diagnostic tests. The Hospital Infection Control is monitored by the hospital infection control committee with regular audits for antimicrobial use to combat antimicrobial resistance.

The laboratory provides state of the art diagnostic test facilities with adherence to strict quality control and client satisfaction to the various clinical departments. The laboratory functions with well qualified and trained technical personnel and faculty, and offers round the clock technical and advisory services to clients, with specialized and rapid diagnostic techniques for emergency patient care. The laboratory strives to provide accurate reports to clients at the shortest time possible. Tests that have been added in the recent years to meet the diagnostic needs of the hospital.

The Laboratory services of the Department of Microbiology, is NABL accredited. Quality of the tests is strictly monitored by the National External Quality Assessment Scheme (EQAS) conducted by the Indian Association of Medical Microbiologists/ Christian Medical College (CMC), Vellore. Internal quality control for all laboratory procedures are undertaken regularly to maintain high standards for reproducible results. Interlab quality control program is done on monthly basis with Anderson laboratory.

### **HODS of Our Department**



**Dr. S.Viswammal**  
( 2003-2008 )



**Dr. V. Illamani**  
( 2008- 2018 )



**Dr. Chitrlekha Saikumar**  
( 2018-till now )

Dr. S. Viswammal (Former Director, Institute of Microbiology, MMC, Chennai) was the first head of the department. She was succeeded by Dr. V. Illamani (Former HOD of Microbiology, KMC, Chennai) from 2008 to-2018. Currently the Department is headed by Dr. Chitralekha Saikumar.

### **ACADEMIC ACTIVITIES**

The ever-growing Department of Microbiology inculcates the vast knowledge and foundation in the field of microbiology through undergraduate, post graduate courses and Allied health science courses.

**Undergraduate course: M.B.B.S** was started in our institution in 2003. So far 23 batches of students have been taught in the department of Microbiology. A complete knowledge of Infectious diseases in various aspects of microbiological field such as Bacteriology, Virology, Immunology, Parasitology, Mycology and Molecular biology is imparted. In the II year of MBBS course the department integrates academics, diagnostics with research activity. Young medical students are encouraged and nurtured in academics and research. The yearly Prize exam conducted inspires the students to excel academically.

**Postgraduate course: MD** degree course in the department of microbiology was started in in 2009. The department has successfully trained 27 students so far to be competent Consultants in clinical microbiology, hospital infection control and as well as promising researchers. The students acquire skills in research work as they are taught of the various research methodologies and modalities. They are constantly rendered support to publish their research works. They receive adequate training in improving their teaching skills also. They are encouraged to participate in seminars, Journal clubs, present research papers in CMEs, National and International Conferences regularly.

**B.Sc. allied health science courses:** Allied health science courses were started in 2016. Till now many batches of students have been trained in this hospital and health based professional courses. The Microbiological knowledge helps them to be skilled and effective in their contribution to the health care services.

**Ph.D:** The department has been supporting research scholars since 2014.

## INFRASTRUCTURE FACILITIES

The department is well equipped with adequate space and infrastructure for taking lectures, demonstration, seminars and conducting examinations as per NMC. An air conditioned lecture hall with Multimedia system permanently installed, Four well-lit demonstration halls for small batches, a bright and airy practical hall fitted with microscopes, an up to date department library with computer and data processing facility, a Museum- A big hall with charts, specimen models, and wall mounted display board are available. Department also has a Research room for various branches of medical microbiology.



**Practical hall**



**Museum**



**Research lab**



**Department Library**

Round The Clock Services -Diagnostic Sections In NABL accredited  
**CENTRAL LAB**



**Bacteriology**



**Serology**



**Mycology**



**Immunology**



**Virology**



**Media preparation**



**Parasitology**



**Mycobacteriology**

## DEPARTMENT ACTIVITIES

The Department of Microbiology is committed to investigating the intriguing realm of clinical microorganisms and their effects on human health. It offers vital information on infectious diseases, their prevention, diagnosis, and treatment.

Our motto at the Department of Microbiology is to promote excellence in clinical practice, research, and education. Our goal is to provide our pupils with a thorough awareness of the microbiological world and how it relates to clinical medicine. With cutting-edge facilities and creative teaching strategies, we hope to develop the next generation of talented clinical microbiologists, physicians, and researchers who will be essential to the advancement of healthcare.

### Innovative Research

Leading the way in innovative research on infectious diseases is the Department of Microbiology. New infections, host- pathogen interactions, new diagnostic techniques, and creative treatment approaches are all areas of active research and investigation by our academics and researchers. We can significantly contribute to the global effort to prevent infectious illnesses and improve public health because of our dedication to scientific excellence.

### Diagnostic Services

We actively engage in the provision of clinical services about medical microbiology in addition to our academic and research activities. Modern equipment in our clinical laboratory guarantees prompt and precise diagnosis of infectious disorders. To provide the best possible patient care and management, our committed team of clinical microbiologists works in conjunction with other departments.

Together, we influence the future of medicine and make a difference in the battle against infectious illnesses.

Apart from regular teaching and research activities, the Department of Microbiology regularly conducts conferences, guest lectures, seminars, CME and workshops for updating the

advances in the field of medicine. We have conducted many international conferences and National conferences. Every month, we ensure that we conduct a guest lecture delivered by a clinician on the clinical aspects of the ongoing lecture topic for the benefit of the undergraduate and postgraduate students. We regularly conduct programmes and activities for our undergraduate students.

**INTERNATIONAL CONFERENCES**  
**VIROCON 2018**



**Microbial Iron Respiration 2019**



**TBCON 2023**





**NATIONAL CONFERENCES**  
**Paracon 2017**



**HICCON 2017**



**Human Micro biome 2019**



**Infection control & point of care testing 2021**

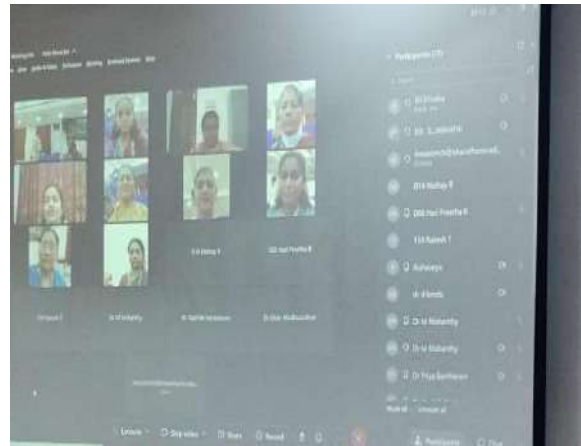




**CME on Malaria -22**



**Burden of Antimicrobial resistance 2022**



**CME on Syphilis -A case based -23**



**Postgraduate Journal club 31.1.25**



**Postgraduate Seminar 10.4.24**



**Guest lecture on Diagnosis of Hepatitis B infection-the Essentials 28.7.23**



**Guest lecture on Diagnosis of Hepatitis B infection-the Essentials 28.7.23**



**Para-con workshop 2017**



**IA - QMS Workshop 2023**



**Hands on workshop for technicians- 2022**



**Hands-on workshop on ELISA 27.01.2024**



**Molecular biology Workshop 2016**



**18th to 24th November 2024 World AMR Awareness Week (WAAW)**



**Hand hygiene for healthcare workers - HIC training for UGs 19.2.2025  
19.10.23**



**Vaccination camp on world hepatitis day  
28.7.23**

**Hand hygiene day training workshop 6.5.24**



## Research Activities:

Research is seeing what everybody else has seen and thinking what nobody else has thought. We believe in initiating this thought. Hence, all the faculties are well-trained in research methodology and have completed the Basic course in biomedical research conducted by the NPTEL. Under the guidance of our faculties, we have 5 short-term student projects being sanctioned by the Indian Council of Medical Research. We encourage students to participate and present papers in various conferences held at national and international levels. Many of our postgraduate students, undergraduate students, and faculty members have won best paper and poster presentation awards at different national and international conferences. Our department faculties have published 5 patents to date. Funded projects have been sanctioned by BIHER University. Academic success depends on research and publications. Our department faculties have consistently published their research work as research articles in Scopus-indexed journals with high impact factor. Four Ph. Ds have been produced from the Department related to molecular Characterisation of antibiotic resistance in Enterobacteriaceae, antifungal resistance in Candida species, the prevalence of different serotypes of Dengue virus, and the prevalence of Candida in Cancer patients. Currently, 3 Ph.D and 5 PG students, 3 undergraduate students, are pursuing their works related to microbiology. We have produced 27 and 3 microbiology-related research works by our post-graduates and undergraduate students, respectively. 228 publications in various indexed journals were produced by our faculty and postgraduates in our department.

## FACULTY PUBLICATIONS



## COMPETITIONS

### PG Poster competition 22Nov 2024



### UG debate Nov 2024



### UG Poster competition Oct 2024



### Model making Competition for AHS students March 2025



### **Core Values:**

The Department of Microbiology at Sree Balaji Medical College & Hospital (SBMCH) is dedicated to providing high- quality education, cutting-edge research, and essential diagnostic services in the field of microbiology. The department plays a crucial role in training undergraduate and postgraduate students, equipping them with comprehensive knowledge and practical skills to address challenges such as emerging infectious diseases and antimicrobial resistance. The undergraduate curriculum includes a 12-month program covering General Microbiology, Immunology, and Systematic Bacteriology, Virology, Mycology, and Applied Microbiology, ensuring a strong foundation in microbiological sciences. For those pursuing postgraduate studies, SBMCH offers a three-year MD program in Microbiology, designed to develop expertise in clinical microbiology, infection control, and advanced research methodologies.

In addition to academic and research activities, the department plays a vital role in diagnostic microbiology services, which are NABL-accredited, for supporting the hospital by identifying pathogens causing infectious diseases and aiding in effective patient management. Students have access to well-equipped laboratories with hands-on training facilities, allowing them to develop proficiency in diagnostic techniques, molecular microbiology, and advanced laboratory methods. With its strong focus on education, research, and diagnostics, the Department of Microbiology at SBMCH remains at the forefront of medical advancements, preparing students to become skilled professionals who can contribute significantly to healthcare and public health.

**SBMCH has been ranked as Top 3 in the State Universities of Tamil Nadu - categorized by Tamil Nadu State Council for Science and Technology**



## LIST OF PUBLICATIONS

S.NO.	Name	Title of the Article	Journal Name
1	Dr. Durga Devi G	Assessing the Role of Electives Module in Shaping Career Choices of Medical Undergraduate Students	Bangladesh journal of medical science
2	Dr. Archana R	Nanoparticles and the Vaginal Microbiota: Diagnostic and Therapeutic Innovations in Human Papilloma Virus-associated Cervical Cancer - A Systematic Review	Nigerian Postgraduate Medical Journal
3	Dr. A Maryantony Praba	LHPL as Substitute for FBS in Stem Cell Culture by FC	International Research Journal of Multidisciplinary Scope (IRJMS)
4	Dr. Renukadevi M R	Recent Advances In Tmj Management	Bangladesh Journal Of Medical Science
5	Dr Viji Devanand	Insights of shared decision - making and personalized treatment in orthopedics - A qualitative systematic review	Journal Of Clinical Orthopaedics And Trauma
6	Dr. P Sandhya	HPV status and staging in oropharyngeal carcinoma: A review of recent AJCC/UICC revisions	Oral Oncology Reports
7	Dr. Chitrlekha Saikumar	Emergging ressitance mechanism in gram positive bacteria Isolated from septicimia cases in ICUS: a FOCUS ON GENOTYPIC Insights	Cureus Journal of Medical Science
8	Dr. K Sharanya	Correlation of perfusion index change and analgesic efficacy in trans for animal steroid injection for lumbosacral pain, a prospective observational study	Saudi journal of anesthesia
9	Dr. Aishwarya J Ramalingam	Bacterial Profile and Their Antimicrobial Susceptibility Pattern with Assessment of Risk Factors among Diabetic Foot Ulcer Patients in a Tertiary Care Hospital, South India	MBL- Microbiology and Biotechnology Letters

10	Dr. Nandini M S	Clinicopathological characteristics of Fungal infections with special emphasis on Dematiaceous Fungi: A Cross-sectional study.	Bangladesh Journal of Medical Science,
11	Dr. D P Dinesh	Two - way Syringe technique for Arthrocentesis - A literature review	Bangladesh Journal of Medical Science
12	Dr. Monica N	A Comparative Study To Determine The Effectiveness And Safety Of Probiotics As An Adjunct To Antihistamines Compared To Antihistamines Alone In Patients With Allergic Rhinitis	Asian Journal of Pharmaceutical and Clinical Research
13	Dr.J.Thanka	A study of immunohistochemical expression of p63 in colorectal carcinoma.	Niger Postgrad Med J
14	Dr. Subhashini Srinivas	Etiological assessment of palatal petechia	GMS HYGIENE and infection control
15	Dr. Jeevprita Jeevanandam	Diaspora of haematological disorder in head and neck region – a systematic review	Kuwait Medical Journal
16	Dr. Anantha Eashwar V M	The Mental Health Challenges of Medical Postgraduates in Chengalpattu District, Tamil Nadu: Are they being Educated or Exploited?	Cureus
17	Dr. Swetha N B	Predictors of adherence to COVID-19 preventive measures among COVID-19 vaccine recipients in Tiruchirapalli city, South India: a cross-sectional study	Discover Public Health
18	A Dr. ngeline Grace G	Unveiling Genital Tuberculosis: India's hidden Infertility Epidemic	National Journal of Community Medicine
19	Dr. Angeline Grace G	A protocol to study the effect of targeted parental education intervention to identify early childhood development disorder – multisite interventional study	Archives of Public Health
20	Dr. Sujitha Pandian	Mental Health - An Emotional roller coaster around Menopause	National Journal of Community Medicine

21	Dr. Lakshmi Nagalingam	The Reliability of a Modified Kalamazoo Consensus Statement Checklist for Assessing the Communication Skills of Anesthesia Doctors in the Simulated Environment	Cureus
22	Dr. Krishna Prasanth	Study of the Incidence and Risk Factors for Consuming Junk Food among Adults	Salud, Cienciay Tecnologia.
23	Dr. Krishna Prasanth	Ai Innovations In Anaesthesia: A Systematic Review Of Clinical Application	Indian Journal of Clinical Anaesthesia
24	Dr. Saranya Kumaran	Assessment of Activities of Daily Living and Quality of Life Among the Elderly in the Rural Area of Tiruvallur District, Tamil Nadu, India: A Cross-Sectional Study	Cureus
25	Dr. Arun K	Correlation Of Systemic Immune-Inflammation Index (Sii) And Ferritin To Lymphocyte Percentage Ratio (Flpr) With Neutrophil To Lymphocyte Ratio (Nlr) Among Patients With Severe Covid-19: A Retrospective Observational Study From India	Eastern ukrainian journal
26	Dr.Umashankar R	Evaluating Diagnostic approaches for diabetic foot infections : A systematic review	IP International Journal of Medical Microbiology And Tropical Diseases
27	Dr.Mathisha Ebby Perin R	Branched chain amino acids in obesity and diabetes:implications and insights	International Journal Of Medical Biochemistry
28	Dr.Jayamol Revendran	Diffuse Aspiration Bronchiolitis Secondary To Plummer Vinson Syndrome- A Rare Yet Preventable Pulmonary Complication	Ip International Journal Of Medical Microbiology And Tropical Diseases
29	Dr.Jayamol Revendran	Lung Cancer Sessions In Annual Conferences: Need For Better Interactions And Collaboration Between Oncologists And Pulmonologists	South Asian Journal Of Cancer

30	Dr.B Narayanan	Ex vivo dermoscopy of extra digital glomus tumor	Indian Journal of Clinical and Experimental Dermatology
31	Dr.Krithika P	Transmission of tuberculosis to infant due to nose blowing by an adult with pulmonary tb	Indian journal of pediatrics
32	Dr.Raghupathy Thirunavukkarasu	Coagulation Dynamics in Laparoscopic Cholecystectomy: Investigating the Impact of Carbon Dioxide Pneumoperitoneum	Texila international journal of public health
33	Dr.Jayakanthan	Assessment of morbidity among patients with perforative peritonitis using manheim index in a tertiary care hospital	formosan journal of surgery(web of science and DAOJ)
34	Dr.Jayakanthan	Methicillin resistant staphylococcus infection in a young boy following mumps infection	Journal of clinical and diagnostic research
35	Dr.Pola Govardhan Kumar	spontaneous hemoperitoneum Caused by malignant Gastric GIST – A interesting case report”	Iranian journal of medical sciences
36	Dr.Srinath G	A Case Series on Latissimus Dorsi Flap	Cureus
37	Dr Samir Ahmad	Ileocolic Intussusception Due to Mucinous Adenocarcinoma in a Middle-Aged Man: A Rare Presentation	Cureus
38	Dr.K Ganesh Guru	A Case Series on Latissimus Dorsi Flap Reconstruction: A Versatile Approach to Managing Oncological Defects	CUREUS
39	Dr.Raghuraman M S	Comment on “Anesthetic considerations of EXIT procedure: A case report”	Saudi Journal of Anesthesia
40	Dr.Raghuraman M S	Reflections on: “Comparison of in-plane versus out-of-plane ultrasound-guided radial artery cannulation”	Sri Lankan Journal of Anaesthesiology
41	Dr.B Kala	Baska mask vs I-gel in spontaneously breathing anaesthetised patients, a randomised clinical trial	JCDR

42	Dr.K Vinod	Comment on: “Costoclavicular block for distal radius open reduction and internal fixation	Saudi journal of anesthesia
43	Dr.Vidhya N	Comment on “Diagnostic accuracy of subclavian vein versus inferior vena cava collapsibility index for predicting postinduction hypotension: An observational study”	Saudi Journal of Anesthesia
44	Dr.Vidhya N	Comment on: “Comparison between Ultrasound Guided Femoral Nerve Block versus IPACK Block in Patients Undergoing Total Knee Replacement”	sri lankan journal of anaesthesiology
45	Dr.Pranjali Kurhekar	Comment on “Effects of remimazolam versus dexmedetomidine on recovery after transcatheter aortic valve replacement under monitored anesthesia care: a propensity score-matched, non-inferiority trial	Korean Journal of Anesthesiology
46	Dr.Raj	Letter to the Editor regarding Efficacy of pectoralis nerve blocks I and II with liposomal bupivacaine in patients undergoing elective breast reduction procedures	JPRAS OPEN
47	Dr.Srinidhi N	The radial trinity block of the upper extremity: combined block of the radial, median, and lateral cutaneous nerves of the forearm for radial fracture. Comment on Br J Anaesth	British Journal of Anaesthesia
48	Dr Venkatraman Indiran	Etiology, clinical manifestations and imaging evaluation of intestinal obstruction in adults at tertiary care hospital	International journal of general medicine
49	Dr Venkatraman Indiran	Unilateral enlarged axillary accessory breast in male	Indian journal of surgery