

Sri  
**MANAKULA**



**VINAYAGAR**

Medical College and Hospital

KALITHEERTHALKUPPAM, PUDUCHERRY - 605 107.

# 1ST RESEARCH WEEK CELEBRATION



# SOUVENIR

2nd - 6th DECEMBER 2024





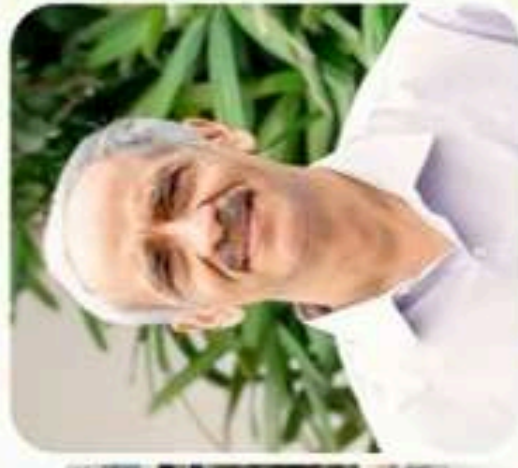
**Sri MANAKULA VINAYAGAR**

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# 1<sup>ST</sup> RESEARCH WEEK CELEBRATION

6<sup>th</sup> DECEMBER 2024



**Dr. Manoj V Murhekar**

Director

ICMR-National Institute of Epidemiology,

ICMR-National Institute for Research in Tuberculosis (Additional charge).



**Dr. P. Manickam**

Scientist - F

ICMR-National Institute of Epidemiology



**Dr. C.P. Girish Kumar**

Scientist - F

ICMR-National Institute of Epidemiology

# ALL ARE WELCOME

# Table of CONTENTS

1.	Message from Chairman and Managing Director	01
2.	Message from the Director	02
3.	Message from the Deputy Director and Dean	03
4.	Message from the Dean (Academic)	04
5.	Message from the Dean Research	05
6.	Message from the Medical Superintendent	06
7.	Research at SMVMCH	07
	A.GLOBAL JOURNAL OF HEALTH SCIENCES AND RESEARCH (GJHSR)	07
	B.RESEARCH FACILITIES AND RESOURCES AT SMVMCH	09
	• DEPARTMENT OF INTEGRATIVE MEDICAL RESEARCH (DIMR)	09
	C.RESEARCH PROGRAMS IN 2023-2024	11
	• ICMR-STs RESEARCH PROJECT GUIDANCE	12
	• SIMSCON'24	13
	• CUTICON 2024	14
	• CONVERTING THESIS TO MANUSCRIPT WORKSHOP	15
	• RESEARCH METHODOLOG	16
	• WEBINAR-ARTIFICIAL INTELLIGENCE IN DVL	16
	• WORKSHOP ON DATA PRESENTATION AND STATISTICS	17
	• CME CUM WORKSHOP ON ARTERIAL BLOOD GAS ANALYSIS	18
	• NATIONAL SCIENCE DAY CELEBRATION	19
	• WORKSHOP ON GOOD CLINICAL LABORATORY PRACTICES	20
	• WORLD DNA DAY: WORKSHOP ON DNA ISOLATION AND SEPARATION	21
	• STUDENT INITIATED RESEARCH	22
	• SHORT COURSE ON CRAFTING EFFECTIVE MIXED METHODS IN HEALTH RESEARCH	23
	• WORKSHOP ON RESEARCH METHODS FOR FIRST YEAR POSTGRADUATES TRAINING WORKSHOP	23
	• 2ND SYSTEMATIC REVIEW AND META-ANALYSIS HANDS ON TRAINING WORKSHOP	24
	• WORKSHOP ON EPI INFO 7 SOFTWARE	25
	• WORKSHOP ON QUALITATIVE RESEARCH METHODS	26
	• ANTHROPOMETRIC DATA ANALYSIS WORKSHOP	27
	• RESEARCH METHODOLOGY – TOPIC: MANUSCRIPT WRITING TO PUBLICATION: BEST PRACTICES FOR INDEXED JOURNALS	28
	• GUEST LECTURE: INTRODUCTION TO RESEARCH FOR MBBS STUDENTS	29
	• WORKSHOP ON ZEBRAFISH AS ALTERNATE ANIMAL MODEL IN BIOMEDICAL RESEARCH	29
	D.PROGRAMS OF SCIENTIFIC SOCIETY	31
	E.AWARDS GRANTED BY GOVERNMENT, INDUSTRIES AND NON-GOVERNMENTAL AGENCIES (2023-24)	40
	F.FACULTIES AWARDED NATIONAL/INTERNATIONAL FELLOWSHIPS/FINANCIAL SUPPORT FOR ADVANCED STUDIES/COLLABORATIVE RESEARCH AND CONFERENCE PARTICIPATION IN 2024	41
	G.LIST OF PUBLICATIONS (2023-2024)	42
	H.PATENT FILED IN 2023	53



**Message from Chairman and Managing Director**

Warm greetings for the 1st Research week Celebration

It is with great pride and joy that I extend my warmest congratulations to everyone at Sri Manakula Vinayagar Medical College and Hospital (SMVMCH) on the successful celebration of Research Week. I am delighted to know that a week-long series of research activities has been organized as part of the Research Day celebration. This occasion marks an important step in our journey to advance healthcare education, research, and innovation.

Research Week serves as a platform to highlight the dedication, talent, and collaborative efforts of our faculty, students, and staff. Through innovative initiatives and impactful research, you uphold the values of excellence and commitment that define our institution.

At SMVMCH, we foster a culture of curiosity, bridging basic science and clinical practice. This week's achievements reaffirm our commitment to advancing patient care and community health.

I congratulate the Research Department and their team for their tireless efforts in organizing this event and commend all participants for their valuable contributions. Let us continue striving for excellence and innovation in healthcare research to shape a healthier future.

**M. Dhanasekaran**  
Chairman and Managing Director  
SMVE Trust



**Dr. D. RAJAGOVINDAN, M.D.,**

Director

Sri Manakula Vinayagar Medical College and Hospital  
Puducherry-605107.

2



**Message from the Director**

Warm Greetings

I congratulate the Research Department for the celebration of Research week at Sri Manakula Vinayagar Medical College and Hospital. This annual event, dedicated to fostering innovation and collaboration, highlights the importance of research in advancing healthcare and improving lives. Research Week serves as a platform for our talented faculty, students, and partners to showcase their hard work, share insights, and inspire one another toward greater achievements. Researchers at our Institute have contributed to the advancement of diagnostics, therapeutics, and preventive strategies, with a special emphasis on conditions prevalent in our region and among our communities.

As we celebrate Research Week, I am inspired by the ground-breaking ideas, resilience, and commitment shown by all members of our research community. I extend my heartfelt appreciation to all participants, presenters, and organizers who have contributed to making this event a success. May this week not only deepen our understanding but also strengthen our commitment to creating a lasting impact in the field of medicine and healthcare.

With best wishes for a successful and inspiring Research Week!

**Dr. D. RAJAGOVINDAN**  
**DIRECTOR**

**Sri Manakula Vinayagar Medical College and Hospital**

**Dr. R. N. Kagne,**  
Deputy Director & Dean  
Sri Manakula Vinayagar Medical College and Hospital  
Puducherry-605107.



**Message from the Deputy Director and Dean**

Dear Faculty, Students, and Staff,  
Heartfelt Greetings!

I am thrilled to congratulate the Research Department on the successful celebration of Research Week at Sri Manakula Vinayagar Medical College and Hospital (SMVMCH). This achievement reflects the dedication and hard work of our faculty, students, and staff toward advancing healthcare knowledge and innovation.

At SMVMCH, our research focuses on diverse fields such as clinical medicine, biomedical sciences, and community health, aiming to make impactful contributions to patient care and public health. Our interdisciplinary approach bridges basic science with clinical application, fostering meaningful collaborations.

By engaging students in research projects like STS-ICMR and intramural-funded initiatives, we are nurturing the next generation of healthcare professionals critical thinkers equipped to drive compassionate, evidence-based care.

Thank you to the entire team for their commitment and contributions. Let us continue striving toward excellence in healthcare research and innovation.

Best wishes,

A handwritten signature in green ink, appearing to be 'R. N. Kagne', written over a faint, stylized green line.

**Dr. Kagne R. N**  
**Deputy Director & Dean**  
**Sri Manakula Vinayagar Medical College and Hospital**

**Dr. Karthikeyan. K, M.D., Dermatology, Venereology & Leprosy,**  
Dean (Academic),  
Sri Manakula Vinayagar Medical College and Hospital.  
Puducherry-605107.

4



**Message from the Dean (Academic)**

Greetings on the occasion of First research day celebration in SMV MCH.

It is a milestone in our institute as we strive to promote and inculcate the culture of research among students and faculty.

I am happy to hear that the week long research activities are organized as a part of the research day celebration.

This initiative not only promotes research but also appreciates the researchers. The passion for research not only increases knowledge but also earns recognition for the institute.

I wishes all the best to the research team and Dean Research Dr. P. Sanjay for being the guiding force behind the research day celebration.

Best wishes,

A handwritten signature in black ink, appearing to be 'Dr. Karthikeyan. K'. The signature is stylized with a large initial 'K' and a trailing flourish.

**Dr. Karthikeyan. K**  
**Dean (Academic),**  
**Sri Manakula Vinayagar Medical College and Hospital**

**Dr. P. Sanjay,**  
Dean Research  
Sri Manakula Vinayagar Medical College and Hospital  
Puducherry-605107.



**Message from the Dean Research**

Best wishes,

We are excited to commemorate Research Week at Sri Manakula Vinayagar Medical College and Hospital (SMVMCH). This research week event honors the spirit of discovery, creativity, and academic rigor that drives our institutions.

The efforts and devotion of our staff, instructors, and students, who are dedicated to improving healthcare via innovative research, are demonstrated during research week. Their contributions, which range from community health to clinical medicine and the biomedical sciences, are representative of our goal to enhance patient care and public health.

The activities, talks, and presentations during this research week offer a priceless forum for sharing knowledge, concept exploration, and the development of partnerships that connect fundamental science and clinical practice. As the future generation of caring, evidence-based healthcare leaders, we take satisfaction in creating an atmosphere where students may actively participate in research.

I would like to thank each team member for their commitment and hard work. Let us persist in pushing for superiority in healthcare research and development, leaving an ongoing impact on the communities we serve.

A handwritten signature in blue ink, appearing to be 'P. Sanjay'.

**Dr. P. Sanjay**  
**Dean Research**

**Sri Manakula Vinayagar Medical College and Hospital**



**Dr. Pragash. M,**  
Medical Superintendent,  
Sri Manakula Vinayagar Medical College and Hospital.  
Puducherry-605 107.



**Message from the Medical Superintendent**

Dear faculties and students,

I am delighted to extend my heartiest congratulations to the research committee on the launch of research week, a groundbreaking initiative in the history of Sri Manakula Vinayagar Medical College and Hospital. It is a honor for me to share my thoughts on this memorable occasion.

Research is an integral part of every medical graduate's education, enriching our understanding and nurturing the critical thinking and problem-solving abilities that are essential in medical field. I hope this event serves as a source of inspiration for our younger generation, sparking their interest in innovative research endeavors.

This initiative is a tremendous achievement, and I applaud the entire research team for their unwavering dedication in bringing it to fruition. I urge all students and faculty members to actively engage in the activities planned for this week; your participation is crucial for fostering a dynamic research culture within our institution.

As we embark on this exciting journey, let us embrace the idea that the pursuit of knowledge knows no bounds. May this week inspire new ideas, collaborations, and a deeper commitment to advancing the field of medical science.

**Dr. Pragash.M**  
**Medical Superintendent**  
**Sri Manakula Vinayagar Medical College and Hospital**

## Research at SMVMCH

SMVMCH continues to foster a thriving research culture among its faculty members by providing robust support for publishing articles, journals and book chapters. The institution offers incentives and covers 80% of publication fees, motivating faculty to excel in academic contributions. This year, over 100 publications have been successfully achieved, reflecting the college's commitment to advancing medical research. Additionally, SMVMCH boasts 33 functional MOUs and active collaborations with other institutions and alumni for research development.

The research committee and ethics committee play a crucial role in monitoring and ensuring the quality and innovation of all thesis and research articles. These initiatives underline the institution's dedication to enhancing academic standards and promoting groundbreaking research.

SMVMCH encourages undergraduate, postgraduate and faculty to pursue biomedical research to address and resolve health related issues. The students and faculty are eligible to apply for the intramural funding with appropriate justification in case of collaborative research. The organization provides research grant for selected projects based on relevance and quality of the proposed study. The submitted proposals will be reviewed by the research and ethical committee for the final approval.

### Global Journal of Health Sciences and Research (GJHSR)

On behalf of our institution, we have launched a new in-house journal named Global Journal of Health Sciences and Research (GJHSR) in association with scientific scholar on 20th February 2023. It is an open-access peer-reviewed journal committed to publishing high-quality articles in the health related subjects. This is an international peer reviewed open access journal with the main aim of encouraging professionals to publish scientific, high quality contemporary literature to benefit the global scientific fraternity. The journal publishes original research articles, case reports and series, reviews, technical notes, images, clinicopathologic conferences and patent related articles. Its frequency of publication is semi-annual and publishes in both print and online formats.



## Research facilities and resources at SMVMCH

### Department of Integrative Medical Research (DIMR)

SMVMCH established Central Research Laboratory (CRL) in 2011 to provide centralized research infrastructure for the benefit of investigators across multiple disciplines at SMVMCH. CRL is now renamed as Department of Integrative Medical Research is located on the first floor of the college building. DIMR supports PG and UG students, faculties and PhD scholars, for their research activities by providing technical assistance and access to advanced scientific instruments. The research may be in the form of undergraduate research projects, postgraduate dissertation work, PhD thesis work and faculty research projects. In addition, DIMR organizes training programs, workshops/seminars and CME's for UG and PG medical students, research scholars and faculties in the focused areas of research.

DIMR support genetic studies holding facility for DNA, RNA and protein isolation and analysis. The labs possess the essential equipments, such as thermal cyclor, electrophoresis units, ultra-centrifuge, water bath, spectrophotometer, multi-well plate reader and high performance liquid chromatography (HPLC). This could facilitates molecular biology research at DIMR for diagnostic purposes like dengue serotype identification, genotyping of scrub typhus pathogen, surveillance of hepatitis surface antigen, confirmation of genetic disorders such as prolidase deficiency, and cardiovascular diseases associated with gene polymorphisms and continue to support related works across various areas of medical research. Besides, the laboratory offers deep freezer facility for the long term storage of clinical samples like plasma, urine, breast milk, DNA, saliva, buffy coat, whole blood and tissue.

#### Area of research

Genetic polymorphism studies  
Molecular taxonomy  
Clinical and Molecular Microbiology  
Biochemical studies

#### List of software

##### **Quantitative data analysis**

Statistical Package for the Social Sciences (SPSS) version 24.0, WHO Anthro 2005, EpiData version 3.1, EpiData Manager version 4.2, EpiInfo version 7.2.2.6, MORTPACK for windows – software package for mortality measurements.

##### **Qualitative data analysis**

Atlas-ti (Version 5.0) – Demo version, Visual Anthropac (Demo version)

##### **Systematic Review and Metaanalysis**

Rayyan, Review Manager 5.3

##### **Sample size calculation**

Open Epi version 2.0, nMaster, Epi Info version 7.2

##### **Reference Management**

Zotero, Mendeley





### **Public health laboratory**

The public health laboratory had been initiated 5 years back. The major functions of the laboratory include water analysis, food sample testing for presence of adulteration and relative humidity measurement

### **Amphibian lab for animal studies**

It has many instruments and facilities to do experiments to understand the nerve muscle physiology

### **Mammalian lab for animal studies**

Various instruments, like Dale's apparatus, Langendroff apparatus, and Mariotte's bottle to carry out mammalian experiments are available

### **Research lab**

An autonomic research lab is equipped with the following instruments to carry out research studies on humans

Heart rate variability (HRV): It is used to assess the sympathovagal balance in an individual at a given time, which reflects the cardiovascular functioning and risk stratification

Evoked potential: Brainstem evoked potentials, visual evoked potentials and motor evoked potentials can be recorded measuring the electrical activities generated from the brain

Pulmonary function test: Computerized spirometry to evaluate the lung functions and disorders

ECG: Automated ECG with 12 leads

Nerve conduction study: To evaluate the conduction of electrical impulses along the nerve

Body fat analyzer: It analyzes the body fat composition, BMI, skeletal and subcutaneous fat in the body based on bioelectrical impedance

EMG: Electromyography technique for recording and evaluating electrical activity in skeletal muscles

Treadmill: Computerized 12 lead treadmill for stress test to measure heart rate and blood pressure during exercise and recovery period

Reaction time apparatus: To determine the reaction time to visual stimuli

## Institutions Innovation Council (IIC)

### Road Map IIC Events 2024

#### MAY

Session on "How to plan for Start-up and legal & Ethical Steps"	-24.05.2024	21.05.2024-	Exposure Visit to Incubation Unit
World Environment Day - Tree plantation programme	-5.06.2024	6.05.2024-	Workshop on Prototype/Process Design and Development
Session on 'Introduction to Research for MBBS Students.'	-21.05.2024	11.05.2024 -	National Technology Day - Clipart Competition

#### JUNE

ICMR - STS Research Project Guidance by Dr.M.Rajalakshmi	-19.06.2024	5.06.2024 -	World Environment Day - Sapling Plantation and Quiz (Online)
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#### JULY

Session on Angel Investment/VC Funding Opportunity for Early-Stage Entrepreneurs	-24.07.2024	2.07.2024 -	Session on Accelerators/Incubation -Opportunities for Students & Faculties- Early-Stage Entrepreneurs
IIC Progress Monitoring Meeting by Coordinator from Saveetha Institute of Medical and Technical Sciences (IIC Mentor Mentee Scheme)	-24.07.2024	29.07.2024 -	4th Anniversary of National Education Policy (NEP) 2020 - Online Quiz
Strengthening IIC Linkages with ATLs and SICs in Schools and Framework for providing Mentorship Guidance	-31.07.2024	29.07.2024 -	Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs
		18.07.2024 & 19.07.2024 -	Innovation & Entrepreneurship Training and Exposure Visit to Saveetha Institute of Medical and Technical Sciences (IIC Mentor Mentee Scheme) - 18.07.20254 & 19.07.2024.

#### AUGUST

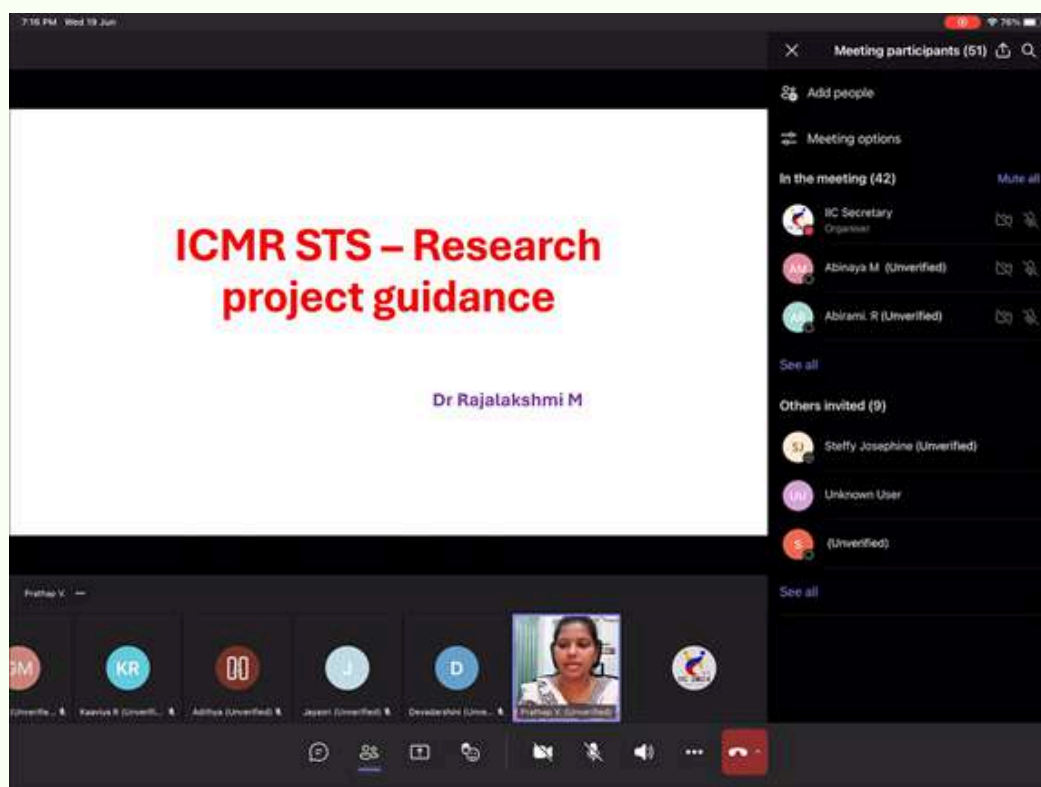
Independence Day- Celebrating Aazadi Ka Amritkal (Flag Hoisting)	-15.08.2024	21.08.2024 -	World Entrepreneurs Day - Logo Designing Contest
Building the Pipeline of Quality Innovations and Start-ups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR)	-2.09.2024	23.08.2024 -	National Space Day Celebration (Touching lives while touching the Moon India's Space saga) Livestream Orientation cum Refreshers' Session on Institution's Innovation Council Objectives,Structure, Operation for IIC Institutions
		5.08.2024 -	

## ICMR-STS Research Project Guidance

12

IIC has organized a session on “ICMR-STS Research Project Guidance” to familiarize students with the ICMR STS program, its purpose and its significance in promoting research among undergraduate medical students. The event took place on 19th June 2024. The guest speaker was Dr. M. Rajalakshmi, Innovation Ambassador, Member of Research Committee, SMVMCH. The session had a total participation of 90 students of all phases (1, 2 and 3) of MBBS. Individuals pursuing undergraduate degrees who are interested in doing ICMR STS Research Project in the academic year 2024 attended the session.

The topics covered in this session were Overview of the ICMR STS initiative, Eligibility criteria and application process, Benefits of participating in the program along with Components of a research proposal like Title, background, objectives, methodology, etc., Common mistakes to avoid in proposal writing, Tips for writing a compelling and clear proposal and Understanding the review process



SIMSCON (South Indian Medical Students Conference) is a prestigious annual event hosted by SMVMCH. This conference brings together the brightest minds in medicine from across the nation, offering a vibrant platform to celebrate the art and science of medicine through a diverse array of events and activities. A key feature of SIMSCON is its role in nurturing academic excellence, providing medical students with the invaluable opportunity to unveil their research findings and hone their presentation skills in a professional setting. SIMSCON 2024 was conducted from 17th to 19th October with a series of workshops linked to general and specialized areas of medicine. The event started with the key note address on “Importance of innovation and the impact of IPR in medical field” by Shri M. Ram Jawahar followed by talks on “AI in diagnostics and clinical decision support” by Dr. R. Jagan Mohan and “AI in clinical research” by Dr. Ramesh Jagannathan. The guest speaker of the event Dr. Vishal Gabale delivered a speech on “Evidence based medicine”.





## CUTICON 2024

CUTICON 2024, organized by the Department of Dermatology, Venereology and Leprosy (DVL), SMVMCH, in collaboration with IADVL Pondicherry, took place on 6th October 2024 at MIT auditorium, SMVMCH. The event saw a total of 133 participants, including 86 residents and 25 faculty members. The program commenced at 9:00 am and concluded at 6:00 pm. The primary objective was to enhance the knowledge of residents and introduce them to novel aspects and recent advancements in Clinical Dermatology. Faculty members from various institutions led the sessions, providing expert insights.

Dr. K. Kaviarasan was honored with the Sardarilal Memorial Award, and he delivered the prestigious Sardarilal Oration. A compendium of narrative reviews, written by faculty, alumni, and postgraduates, was released, and the contributors were honored during the event. There were 10 award paper presentations, 22 free paper presentations, and 60 e-poster presentations, all contributed by postgraduate students. All participants were awarded 1 credit hour of TNMC credit points. The program offered practical strategies and approaches aimed at improving participants' clinical acumen. The event was well-received, providing valuable insights that will significantly contribute to the residents' diagnostic and management skills.



## Converting Thesis to Manuscript Workshop

SMVMCH Research Committee has organized a workshop on “Converting Thesis to Manuscript” for final year postgraduates from 29th and 30th August 2024 at Own Book Reading Hall. The workshop included sessions like how to write manuscript and academic writing by Dr. P. Sanjay. This was followed by talks and group activity on drafting Introduction, Material and Method, Result, Discussion and Conclusion. These sessions were led by Dr. Reenaa Mohan, Dr. Rajalakshmi M, Dr. Premanandh K and Dr. Karthikeyan K.



**Webinar – Artificial Intelligence in DVL**

The Department of DVL has organized an online webinar on the topic “Artificial Intelligence in DVL” on 30th January 2024 between 11:30 am to 12:30 pm. Guest speaker of the event was Dr. Aravind Baskar M, Assistant Professor, Department of DVL, SRM Medical College, Potheri. The event started with a brief introduction about the webinar on artificial intelligence by Dr. K. Karthikeyan, Professor and Head, Department of DVL, SMVMCH. This was followed by an in-depth webinar on localizing specific lesions, role of AI in cutaneous malignancy, its advantages and disadvantages in dermatology. Participants of the webinar included postgraduates from the Department of DVL, SMVMCH and SRM Medical College.





## Workshop on Data Presentation and Statistics

The Department of Ophthalmology successfully conducted a workshop on “Data Presentation and Statistics” on 23rd February 2024. The workshop aimed to equip postgraduates with essential skills in data analysis and statistical interpretation, crucial for their research and clinical practice. Dr. Rajalakshmi M, Associate Professor, Department of Community Medicine, SMVMCH, was the guest speaker for the workshop. Dr. Rajalakshmi’s expertise in statistics and its application in medical research added immense value to the workshop. The workshop commenced with an introduction to the significance of data presentation and statistics. Dr. Rajalakshmi elucidated various statistical methods commonly used in analyzing data, providing insights into Descriptive statistics, Inferential statistics, and Regression analysis.

The workshop received overwhelming participation from 46 postgraduates. Dr. Rajalakshmi’s expertise and the interactive sessions contributed to a comprehensive understanding of statistical methods relevant to research and clinical practice. The workshop’s success underscores SMVMCH’s commitment to fostering academic excellence and providing valuable learning opportunities for students. The knowledge and skills acquired from this workshop will undoubtedly empower postgraduates to conduct high-quality research and make informed clinical decisions in the field.



Puducherry, PY, India  
Villianur Taluk, Puducherry, 605107, PY, India



## CME cum Workshop on Arterial Blood Gas Analysis

The Continuing Medical Education (CME) cum Workshop on “Arterial Blood Gas (ABG) Analysis” was held successfully at lecture hall-1 on 1st March 2024. The event aimed to enhance the understanding and skills of healthcare professionals in interpreting ABG results accurately and effectively managing patients based on the findings. Renowned experts in the field delivered insightful presentations on various aspects of ABG analysis, covering topics from basic principles to advanced clinical applications.

Topics presented by speakers

1. pH balance and ABG analytes- An Introduction by Dr. Kulkarni Sweta, Professor and Head, Department of Biochemistry
2. Clinical Impact of ABG by Dr. S. Girija, Professor and Head, Department of General Medicine
3. Step-wise analysis of ABG by Dr. SPS Subrahmanian, Consultant Nephrologist, Sundaram Hospital, Trichy
4. Hands-on workshop on analysis of reports and interactive case discussions under the guidance of the experienced instructor Dr. SPS Subrahmanian enriched the attendees with practical insights for interpreting ABG results in real-world

The CME cum workshop on arterial blood gas analysis concluded successfully, achieving its objective of enhancing the competency of healthcare professionals in ABG interpretation. The event received positive feedback from attendees, highlighting its value in improving patient care and outcomes.



## National Science Day celebration

The event was organized by Department of Biochemistry on 28th February, 2024. The primary aim of the National Science Day celebration was to commemorate the discovery of the Raman Effect by Sir C V Raman and to promote scientific temper and innovation among students and the faculty. Additionally, the event aimed to highlight the role of science in achieving sustainable development goals. The guest speaker Uppungunduri S Chakradhara Rao, Head of experimental research, Cansearch research platform in Paediatric Oncology and Hematology, University of Geneva delivered insightful lecture on “Role of science and scientists in achieving sustainable development goals”, emphasizing the importance of science in addressing contemporary challenges such as personalized medicine and research on Busulfan.

Students presented essays on topics “Role of science and technology in health care, Role of artificial intelligence in advancing medical diagnosis and Personalized medicine in health care” and showcased enthusiastic participation. The national science day celebration was a resounding success, attracting a diverse audience and fostering enthusiasm for science and innovation. By displaying the relevance and impact of science on society, the event contributed to nurturing a scientifically literate and empowered citizenry poised to address global challenges and shape a sustainable future.



## Workshop on Good Clinical Laboratory Practices

Speaker: Dr. Jeyakumar M, Professor and Head, Department of Biochemistry, SMVMCH

The workshop on “Good Laboratory Practices” was successfully conducted by the Department of Biochemistry, SMVMCH. The event was aimed to provide an in-depth understanding of best practices in laboratory management, covering various aspects of laboratory operations to ensure accuracy, efficiency, and quality in laboratory processes. The topics discussed were Laboratory information for patients and users, Requests for providing lab information, Pre-examination handling, Preparation and storage, Ensuring validity of examination results, Control of data and information systems and Processing of complaints. The importance of clear communication and providing accurate lab information to patients and users was discussed. This ensures that all stakeholders are well-informed about the laboratory processes and results. Key practices for handling and preparing samples before examination were discussed to prevent contamination and ensure accurate results. Proper storage techniques were also covered to maintain sample integrity.

Speaker: Dr. Sivaa R, Professor and Deputy technical manager, PIMS, Puducherry

Subject: Documentation procedures

The session covered best practices for documentation in the laboratory setting, highlighting the importance of accurate and thorough record keeping ensuring traceability and accountability. Proper documentation is critical for maintaining a reliable lab environment and meeting regulatory requirements.





## World DNA Day: Workshop on DNA Isolation and Separation

DIMR celebrated World DNA Day by conducting workshop on “DNA Isolation and Separation” to provide theoretical knowledge and hands-on experience of the processes. Participants included 23 students of 2nd year DMLT and B. Sc MLT, School of Allied Health Sciences.

The event started with a brief introduction of the workshop by Dr. Kulkarni Sweta, Professor and HOD, Department of Biochemistry. Further, the workshop began with a pre-test and presentation on “DNA Isolation and Applications” by Dr. Tresa Remya A. T, Research Scientist, DIMR followed by presentation on “DNA Separation by Agarose Gel Electrophoresis” by Ms. B. Shalini, Research Assistant, DIMR. Group wise hands on training on DNA isolation from whole blood by salting out method was conducted at practical lab, Biochemistry. In the afternoon session, students carried out separation of the isolated DNA by agarose gel electrophoresis at DIMR.





## Student Initiated Research

The program was aimed to develop research aptitude among medical students by selecting a research topic as a short term project after thorough discussion with the participants and faculty of DIMR and HOD, Biochemistry with the approval of Dean Research. It was beneficial for the students in terms of learning the process of finding, development and execution of a research problem. The students carried out retrospective studies on clinical parameters associated with a disease condition. The entire process helped the students to learn how to select a specific research topic, data collection, data sorting and analysis, interpretation of results and report writing

### List of completed projects of student initiated research

Sl. No	Topics	Student name	Course & Batch
1	A clinical audit on postpartum hemoglobin levels: A study on postpartum anemia	Jennifer John, Arsha AR	IV MBBS (2020-2025)
2	A clinical audit on association between platelet levels and dengue fever in a tertiary care hospital	Esther Lydia Festus, Lakshiya M R	IV MBBS (2020-2025)
3	A clinical audit on serum sodium, potassium and Troponin-I level in Myocardial Infarction patients	Menagadevi B, Harsheni M	IV MBBS (2020-2025)
4	A clinical audit on the association of urea and creatinine levels and BUN-creatinine ratio in chronic kidney disease patients	Madhavan H, Melanie Mariyam Nobel	IV MBBS (2020-2025)
5	A clinical audit on the prevalence of scabies in a tertiary care centre	Supriya R A L	IV MBBS (2020-2025)

## Short course on Crafting Effective Mixed Methods in Health Research

The Department of Community Medicine (DCM) actively conducted short course on “Mixed Methods in Health Research” from 13th to 15th September 2023 at MEU hall. About 10 postgraduates and 9 faculties from various departments participated in the program. The course structure included introduction to Qualitative Research and various techniques, followed by demo and hands on session on Free list and Pile Sorting. The course also covered different types of Integration: Merging, Connecting, Building, Embedding, Logic model, Joint display Worksheet-6 in Mixed Methods Research followed by Feedback.



## Workshop on Research Methods for First Year Postgraduates Training Workshop

The Research Committee members have organized a workshop on different research methods from 14th – 16th December 2023 at MIT auditorium. The workshop included the topics on Variables, Sample size, Sampling, Different study design and its limitation, Bias and ethical consideration and Illustration of data analysis with examples. About 70 postgraduates from various departments of SMVMCH participated in the workshop. They were engaged in hands-on sessions. The knowledge and experience gained will be helpful in their proposal writing and conducting study.

## 2nd Systematic Review and Meta-analysis Hands on Training Workshop

24

DCM in collaboration with Global Journal of Health Sciences and Research, SMVMCH conducted 4 days workshop on “Systematic Review and Meta-Analysis (SRMA)” on 14th and 21 to 23rd February 2024 at Own Book Reading Hall, SMVMCH. About 28 faculties and postgraduates from various departments of SMVMCH participated in the workshop. Dr. Jennifer Florence Mary, Assistant Professor, Department of Community Medicine, MGMC & RI and Dr. Reenaa Mohan, Assistant Professor, Department of Community Medicine, SMVMCH were the resource persons for the workshop. Faculties from various departments like Physiology, Biochemistry, Microbiology, Pharmacology, Community Medicine, Psychiatry, Orthopedics, Paediatrics, ICMR Scientists and Postgraduates from Department of Community Medicine participated in the workshop. Title selection, search strategy using PICOT, articles screening using Rayyan software, Data extraction, data analysis in Revman software and SRMA article drafting were elaborated in the workshop. Hands on training for articles searching in Pubmed, Google Scholar, Cochrane, and various check list for Risk of bias assessment were also taught in the program. The participants were divided into teams of two members and were encouraged to draft SRMA articles at the end of the session.



Kalitheerthalkuppam, Puducherry, India  
WJCG+V75, Kalitheerthalkuppam, Puducherry 605108, India





## Workshop on Epi Info 7 software

DCM and the Research Committee, SMVMCH conducted a one-day workshop on Epi Info 7 software on 20th March 2024 at MIT auditorium for the final-year postgraduates. The interactive workshop provided a comprehensive introduction to biostatistics and the use of Epi Info for data analysis. Participants were engaged in hands-on sessions, enhancing their practical skills in creating data entry forms and performing statistical analyses. It was a successful event, equipping final-year postgraduates with essential skills to complete their thesis projects. The knowledge and experience gained will be invaluable in their future research prospects and professional career.





## Workshop on Qualitative Research Methods

Department of Community Medicine has organized 3 days workshop on “Qualitative Research Methods” at Own Book Reading Hall from 23rd to 25th March 2024. About 33 faculties and postgraduates from various institutions participated in the workshop. Resource persons were Dr Kalaiselvan G, Professor, AIIMS Mangalgiri and Dr Mahalakshmi T, Additional Professor, JIPMER, Puducherry. The session was started with PRA techniques and experience sharing which included teamwork in the field. Second day started with a Recap session and Free listing and Pile sorting techniques were demonstrated to the participants and provided hands-on training. The participants were very interactive. On third-day interview techniques were elaborated.



## Anthropometric Data Analysis Workshop

On behalf of DCM, SMVMCH, workshop on mastering Anthropometry Data Analysis was conducted on 5.7.2024 and 6.7.2024. About 17 members were participated in the session. On the first day, participants were introduced, and the fundamentals of Anthropometry including Z scores, Under nutrition indicators, and Growth charts, were discussed. This was followed by group activities on Growth chart calculations, Software installation for WHO Anthro survey analyzer, and Data preparation techniques. Afternoon sessions focused on Interpreting results, Group presentations, and Generating quality reports. The second day began with a recap and Installation of WHO Anthro Plus software, emphasizing Adolescent growth indicators. Participants were engaged in further Data preparation, Interpretation, and Public health applications of Anthropometry, including Literature review and Discussion of research articles. The workshop concluded with sessions on integrating anthropometric data with other software tools like SPSS, Jamovi and R and manuscript writing, followed by post-test, feedback, and certificate distribution.





## Research Methodology – Topic: Manuscript Writing to Publication: Best Practices for Indexed Journals

The Department of DVL has organized a guest lecture on the topic “Manuscript Writing to Publication- Best Practices for Indexed Journals” as a part of Research Methodology on 24th May 2024 between 2:00 pm and 3:30 pm. Guest speaker of the event was Dr. S. Arun, Associate Professor, MGMC & RI, Puducherry. The event started with a brief introduction about the research methodology followed by an elaborative talk, which covered the basics and up to date aspects of writing a manuscript to publication by guest speaker. Around 110 Participants attended the guest lecture, which included faculties and postgraduates from other specialties. The session was moderated by Dr. K. Karthikeyan, HOD, Department of DVL, SMVMCH and Dr. P.Sanjay (Dean Research). An e-certificate of participation was generated.



## Guest lecture: Introduction to Research for MBBS students

The Department of Physiology, SMVMCH organized a guest lecture on “Introduction to Research for MBBS Students” on 21.05.2024 at 8:30 am in lecture hall IV. The session began with a welcome note by Dr. Poonguzhalai, Assistant Professor, Department of Physiology, SMVMCH. Introduction to the guest speaker Dr. Vinoth Kumar was given by Ms. Senthamil Selvi, Assistant Professor, Department of Physiology, SMVMCH. The guest lecture covered the key areas like Selection of title, Importance of Review of literature, Study designs, Sample size, Results, Discussion and References.



## Workshop on Zebrafish as Alternate Animal Model in Biomedical Research

The Department of Pharmacology, SMVMCH, has conducted Hands on Workshop on “Zebrafish as alternate animal model in biomedical research” on 4.10.24. A total of 40 participants from various institutions across Tamil Nadu and Pondicherry have registered for the event. Dr. Kavimani, Professor and HOD, Mother Theresa Postgraduate and Research Institute of Health Sciences delivered a talk on “Alternatives to animal experiment”. Dr. Anuranjani, Assistant Professor, Department of Pharmacology, SMVMCH introduced the next speaker, Dr. Rajaram, Tutor and I/C Veterinarian to speak on “Zebrafish Husbandry, maintenance, feeding and breeding”. Dr. Sunil Santaji Shivekar, Associate Professor, Department of Microbiology, SMVMCH gave a talk on “Role of Zebrafish in biomedical research”. Dr. Kavimani concluded the scientific session in the morning with his talk on “Disease biology using Zebrafish as a model”. The whole event was compered by Dr. Kavitha, Postgraduate, Department of Pharmacology, SMVMCH.

Dr. Rajaram, Dr. Sunil Santaji Shivekar and Mr. Siddharth, Research Scholar, Mother Theresa Postgraduate and Research Institute of Health Sciences trained the participants in routes of drug administration and dissection of Zebrafish. Mr. Siddharth also demonstrated four CNS models in Zebrafish for better understanding.





## Programs of Scientific Society

Scientific Society, SMVMCH organizes monthly presentations of postgraduate students to facilitate clinical and biological research in biomedical sciences. Annual meet of scientific society was held on 13th December 2023 at the SMVMCH auditorium. The chief guest of the event was Mr. Yadhava, Senior Faculty, Art of living international centre, Bangalore. The society has conducted an Oratory program with the talk delivered by Padma Shree Prof. (Dr.) P. Nalini on the topic “WHO AM I? – My Journey with Hemophilia” on 9th April 2024.

### **Presentations organized by Scientific Society (June 2023 to May 2024)**

MONT H	TITLE	PRESENTER
JUNE	Comparative analysis of efficacy of local tranexamic acid in reducing perioperative blood lose in lumbar spine fusion surgery – A randomized control trial (An original article)	Dr.M. Abhiraami Second year postgraduate Department of Orthopaedics
	Meniscus root repair by arthroscopic transtibial pull out technique (A case report)	Dr.G. Aravindaraj Second year postgraduate Department of Orthopaedics
	Functional outcome of metacarpal fractures managed by open reduction and internal fixation with mini plates and screws (An original article)	Dr.Naveen Jagaprasath Second year postgraduate Department of Orthopaedics

	Management of bone defects in primary total knee replacement and its complications (A case report)	Dr.P. Thejas Second year postgraduate Department of Orthopaedics
	A cystic swelling of spine of scapula – A case with diagnostic dilemma (A case report)	Dr.S. Vighnesh First year postgraduate Department of Orthopaedics
	Sequential development of non-arteritic anterior ischemic optic neuropathy in a patient on hemodialysis (A case report)	Dr. Shaik Neroshma Second year postgraduate Department of Ophthalmology
	Bilateral abducens nerve palsy in Herpes zoster (A case report)	Dr. A. Mohamed Shakil Second year postgraduate Department of Ophthalmology
	Drug induced transient myopia – A Jack in the box phenomena (A case report)	Dr. S. Hema Second year postgraduate Department of Ophthalmology
JULY	Vestibular schwannoma in pregnancy – A demon in a divine mask (case report)	Dr. S. Padmapriya Second year postgraduate Department of Obstetrics and Gynaecology
	Stump carcinoma (case report)	Dr. B. Depika Second year postgraduate Department of Obstetrics and Gynaecology
	Ectopic pregnancy in previous caesarean scar – A rare entity (case report)	Dr. S. Fathima First year postgraduate Department of Obstetrics and Gynaecology

	Broad ligament fibroid mimicking as ovarian malignancy (case report)	Dr. V. Akalya First year postgraduate Department of Obstetrics and Gynaecology
	Tubercular tenosynovitis with rice bodies in radial and ulnar bursa – A rare presentation (case report)	Dr. Gangapatnam Monika Second year postgraduate Department of Radiology
	Spindle cell sarcoma of maxilla – a rare presentation (case report)	Dr. N. Navin Kumar Second year postgraduate Department of Radiology
	A rare case of solitary acral metastasis (case report)	Dr. R. Roshen Raghaventhara Second year postgraduate Department of Radiology
AUGUST	An agglomeration of rare female genital tract tumors – Study from a tertiary care centre.	Dr. S. Abiniza Assistant Professor Department of Pathology
	Rejuvenescence of retrograde intubation a forgotten hero – case series	Dr. D. Rajarajacholan Senior Resident Department of Anaesthesiology
	Impetigo incognito – A case series of steroid modified tinea	Dr. M. Aravind Basker Senior Resident Department of Dermatology, Venereology and Leprosy
	Kufs disease – A neuropsychiatric deception	Dr. V. Souganyadevi@Mahalakshmi Assistant Professor Department of Psychiatry
	Invasive aspergillosis presenting as empyema – A rare entity (case report)	Dr. N. S. K. Roobhini Sri Senior Resident Department of Microbiology



<b>SEPTEMBER</b>	Multisystemic disorder – multitude of presentations (case report)	Dr.Karikalan Second year postgraduate Department of Paediatrics
	An unexpected condition hiding behind meningitis (case report)	Dr.Mohammed Neha, Second year postgraduate Department of Paediatrics
	A rare cause of eosinophilia – stumbling upon the diagnosis (case report)	Dr.Preethi S Second year postgraduate Department of Paediatrics
	A version of history by an alcoholic presenting with methemoglobinemia (case report)	Dr. Monisha C Third year postgraduate Department of Emergency Medicine
	Green revolution – A case of DDT poisoning (case report)	Dr. Sabari rajan Second year postgraduate Department of Emergency Medicine
	Wasp sting envenomation with multi-organ failure (case report)	Dr. Danya Third year postgraduate Department of Emergency Medicine
<b>OCTOBER</b>	Vascular hamartoma of omentum – suspected as antenatally diagnosed ovarian cyst in 9 month infant – Boon of laparoscopy (case report)	Dr. Sivaguru Second year postgraduate Department of General Surgery
	Colo-colic intersusception in 50 year old with lipoma as lead point – a rare presentation (case report)	Dr. Karthikeyan Second year postgraduate Department of General Surgery
	Mucous cyst in base of tongue mimicking thyroglossal cyst – challenges in excision without recurrence (case report)	Dr. Shanmugavalli Second year postgraduate Department of General Surgery

	Missed malrotation presenting in adulthood with chronic midgut volvulus – Ladd’s procedure (case report)	Dr. Naresh Second year postgraduate Department of General Surgery
	A rare presentation of small bowel obstruction due to gall stone ileus with cholecystoduodenal fistula and repair done for both pathology at the same setting (case report)	Dr. Tamil Selvan Second year postgraduate Department of General Surgery
	A rare atypical presentation of huge renal cell carcinoma (case report)	Dr. Kiran Kumar Second year postgraduate Department of General Surgery
	Cement ossifying fibroma (case report)	Dr.G. Sabari Priya Second year postgraduate Department of ENT
	Inverted papilloma (case report)	Dr.K. Ramya Rajalakshmi Second year postgraduate Department of ENT
<b>NOVEMBER</b>	Determinants of school dropouts in villages near Villupuram district – A record based retrospective study (An original article)	Dr.Arthi D Third year postgraduate Department of Community Medicine
	Barriers faced by health care providers during home visits of palliative care patients– A qualitative study	Dr.Priyanga D Third year postgraduate Department of Community Medicine
	Post exposure rabies vaccine compliance and reasons for non-adherence – A mixed method study conducted in Thirubuvana PHC – (An original article)	Dr. Sowbarnika Vaishnavi B Third year postgraduate Department of Community Medicine
	Enuresis emerging in generation – (A case report)	Dr.Parvathy V S Second year postgraduate Department of Psychiatry

DECEMBER	Annual Meet 2023 Topic:How to lead a stress free happy life	Senior Faculty Art of Living International Centre, Bangalore
JANUARY	Clinicopathological study of cutaneous horn in a tertiary care centre in south India – Original article	Dr. R. Sivasankari Third year postgraduate Department of DVL
	Lichen sclerosus et atrophicus – Beyond the genitalia – A retrospective study – Original article	Dr.A. Varshini Third year postgraduate Department of DVL
	Actinic cheilitis – A retrospective study of 26 patients in tertiary care hospital in south India – Original article	Dr.Alla Akhila Third year postgraduate Department of DVL
	Prevalence and pattern of dermatoses in tribal community in rural Tamil Nadu – A community based cross sectional study – Original article	Dr.E. Ragul Raj Third year postgraduate Department of DVL
	Topical antifungal combination creams available in the pharmacies in Indian market – A consumer exposure study – Original article	Dr.E. Ragul Raj Third year postgraduate Department of DVL
	Harlequin syndrome – A rare case report	Dr.T. Pavithre Second year postgraduate Department of DVL
	Generalised bullous fixed drug eruption to non-steroidal anti-inflammatory drugs – A rare case report	Dr. I. SoumiyaAmirdambigai Second year postgraduate Department of DVL
	Blistering insights: A rare encounter with bullous systemic lupus erythematosus – A rare case report	Dr.S. Youvalakshmi Second year postgraduate Department of DVL

<b>FEBRUARY</b>	Study of correlation of monocyte to HDL ratio with Carotid Artery Intima media thickness in acute ischemic stroke patients – Original article	Dr. Aakash Thacharvilakam Ajith Third year postgraduate Department of General Medicine
	A study on clinical and immunological pattern of systemic lupus erythematosus patients in a tertiary care hospital – A retrospective study – Original article	Dr. Nivethini Third year postgraduate Department of General Medicine
	Isolated Myocysticercosis with solitary Neurocysticercosis – Case report	Dr. Bheemireddy Lahari Second year postgraduate Department of General Medicine
	‘Resilience from darkness’ – A young female with vision loss – Case report	Dr. John Helio Second year postgraduate Department of General Medicine
	Birds of a feather – Exploring different presentations of lateral medullary syndrome – Case series	Dr. Shobana Second year postgraduate Department of General Medicine
	Challenges faced in treatment of STI among female sex workers (FSW) in Puducherry – Original article	Dr. Arthi D Third year postgraduate Department of Community Medicine
	Practice of noticing expiry date of medicine among rural population of South India – mixed method study – Original article	Dr. Priyanga D Third year postgraduate Department of Community Medicine
	A qualitative study on exploring positive experiences of diabetic patients attending urban health and training centre – Original article	Dr. Sowbarnika Vaishnavi B Third year postgraduate Department of Community Medicine
<b>MARCH</b>	Anaesthesia for B/L TMJ Ankylosis – A case report	Dr. S. Jaisima Balaji Final year postgraduate Department of Anaesthesiology
	Successful regional anaesthesia technique in a patient with severe kyphoscoliosis – A case report	Dr. T. Sneha Final year postgraduate Department of Anaesthesiology
	VATS surgery for Thyrectomy – A case report	Dr. B. Senthilkumar Final year postgraduate Department of Anaesthesiology



	Anaesthesia for HIPEC surgery – A case report	Dr. R. Sandeep Final year postgraduate Department of Anaesthesiology
	Bilateral Pecto – Intercostal fascial block (IFB) for perioperative anaesthesia in median sternotomy – A case series	Dr. P. Muthukumaran 2nd year postgraduate Department of Anaesthesiology
	A tale of twists and turns in Tubercular Lymphadenitis – A case series	Dr. I. Srinath Final year postgraduate Department of Respiratory Medicine
	Tuberculosis– The greatest mimicker of all time – A case report	Dr. K. Mukesh 2nd year postgraduate Department of Respiratory Medicine
	Melioidosis in suspected recurrent tuberculosis: The great masquerade – A case report	Dr. E Uvarajan Second year postgraduate Department of Respiratory Medicine
APRIL	‘WHO AM I? – My journey with Hemophilia’	Padma Shree Prof. (Dr.) P. Nalini Founder President, Hemophilia Society Pondicherry Chapter Director Professor of Paediatrics, JIPMER (Retd.), Pondicherry
MAY	A case of Neurosyphilis – Case report	Dr. G. Deepsheeka Final year postgraduate Department of General Medicine
	A case series of joint pain as a presentation of autoimmune disease – Case series	Dr. T. Akila Second year postgraduate Department of General Medicine
	A study on the relationship between red cell distribution width and high density lipoprotein cholesterol in patients with acute coronary syndrome in a tertiary care hospital – Original article	Dr. A. Adrin Suthir Final year postgraduate Department of General Medicine
	Autoimmune thyroid disorder in young adult population – rural hospital based study – Original article	Dr. N. U. Pooja Final year postgraduate Department of General Medicine
	Prevalence of left bundle branch block and its association with comorbid conditions – Original article	Dr. Anga Dinesh Varma Final year postgraduate Department of General Medicine
	Synergistic analgesic effects of petroleum ether extract of Oxalis corniculata with Tramadol and Pentazocine in mice – An experimental study – Original article	Dr. C. Suryakumar Final year postgraduate Department of pharmacology
	Evaluation of anxiolytic effect of Trans-ferulic acid in Zebra fish – An experimental animal study – Original article	Dr. B. Kavitha Final year postgraduate Department of pharmacology

Principle Investigator	Title of the project	Department
StudentName: Ms.Harshavarthini Thangaraju Guide: Dr. Shanthi M	Perception and practices of adversedrug reaction reporting by patients attending a tertiary care hospital a questionnaire-based study	Pharmacology
Student Name: Ms. Hemavathi Balamurugan Guide: Dr. Reenaa Mohan	Risk profile of Diabetes and its associated factors among class IV workers of tertiary care teaching hospital using Indian Diabetic Risk Score (IDSR) in south India	Community Medicine
Student Name: Mr. Sajeev Logamurthy Guide: Dr. Deepika V	Digital addiction, sympathovagal imbalance and neurophysiologic cognitive assessment using evoked potentials in medical students - a cross sectional study	Physiology
Student Name: Mr. Praveen Latchoumanane Guide: Dr. Priyadharshini N A	Assessment of third trimester placental thickness by ultrasonography among obese mothers - A case - control study	Anatomy
Student Name: Ms.Madhuvarshne S Guide: Dr. Rajalakshmi M	Barriers to patient adherence to tuberculosis treatment using digital adherence technologies (DATs) - A qualitative study	Community Medicine
Student Name: Mr. Vijayakash A Guide: Dr. Vimal M	Influence of learning approach on readiness to self directed learning among undergraduate medical students	Pathology

## Awards granted by government, industries and non-governmental agencies (2023-24)

Principle Investigator	Title of the project	Department	Funding agency
Dr.I. Soumiya	Role of skin prick test in chronic idiopathic urticaria in a tertiary hospital	Dermatology	Indian association of Dermatology, Venereology and Leprosy
Dr.S. Youvalakshmi	Clinicopathological, dermoscopic and colorimetric analysis in lichen Planus Pigmentosus in a tertiary care hospital: A cross sectional study	Dermatology	Indian association of Dermatology, Venereology and Leprosy
Dr.Alla Akhila	Actinic Cheilitis: A retrospective study of 26 patients in tertiary care hospital in south India	Dermatology	Indian association of Dermatology, Venereology and Leprosy
Dr.R. Sivasankari	Clinical and onychoscopic patterns of nail changes in chronic renal failure patients on hemodialysis	Dermatology	Indian association of Dermatology, Venereology and Leprosy
Dr.A. Varshini	Retrospective study of parakeratosis in a tertiary care hospital in south India	Dermatology	Indian association of Dermatology, Venereology and Leprosy
Dr.Yuvarajan	Evaluation of clinical and functional parameters in TB associated chronic obstructive pulmonary disease patients- A cross sectional Study	Respiratory Medicine	NTEP-Puducherry
Dr.Arthi D Dr.Reenaa Mohan Dr.Aswathy Raveendran	Challenges faced in treatment of STI among female sex workers in Puducherry	Community Medicine	PACS (NACO=)
Dr.Premanandh K	Dietary practices and nutritional assessment of Tuberculosis patients on anti-tuberculosis treatment in Puducherry and its association with treatment outcome	Community Medicine	NTEP



**Faculties awarded National/International fellowships/financial support for advanced studies/collaborative research and conference participation in 2024**

Name of the faculty	Program title	Type of program	Awarding agency
Dr. Kulkarni Sweta	Comprehensive molecular diagnostics and advanced gene expression analysis	Short course	NPTEL
Mr. Balakrishna Pai	Comprehensive molecular diagnostics and advanced gene expression analysis	Short course	NPTEL
Dr. Suganya	Comprehensive molecular diagnostics and advanced gene expression analysis	Short course	NPTEL
Mrs Elakiya	Comprehensive molecular diagnostics and advanced gene expression analysis	Short course	NPTEL
Mr. Balakrishna Pai	Health research fundamentals	Short course	NPTEL
Dr. Augustiya N	Ethics review of health research	Short course	NIE-ICMR, NPTEL
Dr. Suganya	Ethics review of health research	Short course	NIE-ICMR, NPTEL
Dr. Augustiya N	Scientific writing in health research	Short course	NIE-ICMR
Dr. Suganya	Scientific writing in health research	Short course	NIE-ICMR
Dr. Karthikeyan K	Project based advance course in medical education	Short course	JIPMER
Dr .Reenaa Mohan	Good clinical practice	Short course	NIDA Clinical Trials
Dr .Reenaa Mohan	Awareness on medical ethics	Short course	Medvarsity, UK

## List of publications (2023-2024)

Sl.No	Title	Author	Journal
1	A case report of dissecting stroke	Nivethini N, Uthaya Sankar MK , Rangarajan DV	Journal of medical science and clinical research
2	A study to measure anti - beta 2 glycoprotein 1 antibody levels and to assess their association with the type of acute coronary syndrome	Badrinath AK, Banala Srilatha ,Sadiqa Nasreen, Pravin Surendran	Journal of medical science and clinical research
3	Study of electrocardiographic predictors of impending heart failure in proven obstructive sleep apnea patients	Aravind Kumar, AK Badrinath, Premkumar G	Journal of medical science and clinical research
4	Rare variant of renal cell carcinoma: A case report from rural tertiary care centre	Keerthyraj N, V Sriram, Revathi G, V Vigneswaramoorthi, Erli Amel Ivan, Ramya G	International journal of clinical and diagnostic pathology
5	The anatomical perspective of gastroesophageal junction and occurrence of hiatus hernia in cadavers	Sudha Ramalingam , Deepa Somnath, Shyamala Ganesan	Journal of pharmaceutical negative results
6	Dermoscopic patterns of dyschromatosis universalis hereditaria with acral involvement	Ayanchetty Haripraba, Kaliaperumal Karthikeyan , Vijayakumar Kaleeswaran	Clinical and experimental dermatology
7	Kindler syndrome with a novel mutation and a rare gynaecological complication	Pavithren Tanigassalame, Aravind Baskar Murthy, Vijayasankar Palaniappan, Kaliaperumal Karthikeyan, T Senthil Kumar	Clinical and experimental dermatology
8	Spesolimab: a comprehensive review on the anti-IL-36 receptor antibody in dermatology	Vijayasankar Palaniappan, Hima Gopinath, Aravind B Murthy, Suganya Radhakrishnan , Kaliaperumal Karthikeyan	International journal of dermatology
9	Mental health and sleep : In COVID positive health care workers in India	Ramya AV, S Arun , Elsa Sanatombi Devi , K Vasant	International journal of research in medical science
10	Dermatological adverse effects of hair dye use: A narrative review	Vijayasankar Palaniappan, Kaliaperumal Karthikeyan, Sadhasivamohan Anusuya	Indian journal of dermatology, venereology and leprology
11	Aluminium in dermatology – Inside story of an innocuous metal	Aravind Baskar Murthy, Vijayasankar Palaniappan, Kaliaperumal Karthikeyan	Indian journal of dermatology, venereology and leprology
12	Success stories: exploring perceptions of former fellows of a global faculty development program for health professions educators	Shiyao Yuan , Asma Rahim , Suvetha Kannappan, Amol Dongre, Animesh Jain, Sitanshu Sekhar Kar, Snigdha Mukherjee, Rashmi Vyas	BMC medical education

13	A curious case of abnormally elevated creatine kinase activity in rhabdomyolysis	Ramya Badrachalam, Asmathulla S	International clinical and medical case reports journal
14	Comparison of intravenous paracetamol infusion versus intramuscular tramadol as labor analgesia: a randomized control trial	N Monisha, GK Poomalar	Archives of gynecology and obstetrics
15	Steatocystoma Multiplex	Vijayasankar Palaniappan, Kaliaperumal Karthikeyan	Indian dermatology online journal
16	Impetigo Incognito – A case series of steroid modified impetigo	Murthy, Aravind Baskar; Karthikeyan, Kaliaperumal; Palaniappan, Vijayasankar	Indian dermatology online Journal
17	Dermoscopic intrusion into a pathological extrusion	Rajamanickam, Sivasankari; Murthy, Aravind Baskar; Karthikeyan, Kaliaperumal	Indian dermatology online journal
18	Primary essential Cutis Verticis Gyrata: A case report with a review of literature	Sankarapandian, Jeyalakshmi; Palaniappan, Vijayasankar; Karthikeyan, Kaliaperumal	Indian dermatology online journal
19	An update on diagnosis and therapeutics for type-2 diabetes mellitus.	Shyamaladevi Babu, Ipsita Dash, Ramya Badrachalam, Madhan Krishnan, Arjunkumar Panneerselvam, Sadhana Undru	Bioinformation
20	Phytochemical cocktail of Asanadi gana extract in the management of diabetes	Rekha Kumari Dulala, Manikandan Balraj, Sangeeta Chandrashekar, Muninathan N, Nithiya Rajapandiyan, Ramya Badrachalam, Vadivel Mani.	Bioinformation
21	Effect of $\beta$ -Caryophyllene on oxidative stress, glucose metabolism in the skeletal muscle of high fat diet and fructose-induced type-2 diabetic adult male rats	Syamala Devi Bandaru, Manigandan Balraj, Ramya Badrachalam, Vadivel Man	Bioinformation
22	Vitamin D receptor(BsmI) gene polymorphism and allele frequency among chronic kidney disease patients in south Indian population.	Ramya Badrachalam, Vadivel Mani, Ravi Kumar, Asmathulla Shafiulla	Bioinformation
23	Role of magnetic resonance imaging in characterizing focal lesions of prostate with histopathological correlation	Kamala Manogna Nibhanupudi, Elamparidhi Padmanabhan, Thara Keloth, Yamini Subbiah, Umamageswari Amirthalingam	Research journal of medical sciences
24	Classification of breast carcinoma based on Immunohistochemistry: An experience in a tertiary care hospital	S Abiniza, R Narayana, S Vadivoo, Divya, Swaminathan Rajendiran	Journal of research in medical sciences
25	Predictors of biomedical waste management practices among staff nurses of a tertiary care teaching hospital in India	Yuvappreya Krishnamurthy, Nishanthi Anandabaskar, Vinayagamoorthy Venugopal, Mourougessine Vimal, M Shanthi	Journal of education and health promotion

26	Effectiveness of ayurvedic formulation , NAOQ19 along with standard care in the treatment of mild - moderate COVID 19 patient : A double blind , randomized , placebo - controlled , multicentric trial	Pankaj Bhardwaj ,Kalaiselvan Ganapathy , Monika Pathania , K.H.Naveen , Jaykaran Charan , Siddhratha Dutta, Ravisekhar Gadepalli , Srikanth Srinivasan , Manoj Kumar Gupta , Akhil D. Goel , Naresh Midha , Bharat Kumar , Meenakshi Sharma , Praveen Sharma , Mithu Banerjee ,Prasenjith Mitra , sanjeev Misra , Vinayagamoorthy V , Girija Subramaniant , Praveen R MInakshi Dhar , Vartika Saxena , Puneet Dhamija , Archana Singh , Saumya Subramanian ,Divya Kanchibhotla	Journal of ayurvedha and integrative medicine
27	NCCP-ICS joint consensus-based clinical practice guidelines on medical thoracoscopy	Rakesh K Chawla,Mahendra Kumar, Arun Madan, Raja Dhar, Richa Gupta	Lung India
28	Student experiential activities: A novel strategy to teach neuroanatomy in lectures	Narayanan S, Adikesavan P N, Ananth V	Cureus
29	A comparision between ultrasound-guided supraclavicular and infraclavicular approaches to brachial plexus block for elective upper limb surgery.	Dr. Dilip Chandar Desing, Dr. Vigneswaran J	Cureus journal of medical sciences
30	Efficacy of bilateral erector spine block in patients undergoing posterior spine fusion surgeries; a comparative randomised controlled trail	Dr. R.V. Rajan	Cureus
31	Comparision of the magnesium sulphate with paracetmol combination vs the fentanyl with lignocaine combination in attenuating the hemodynamic response during laryngoscopy and intubation: a prospective, double -blinded randomized controlled study	Dr. R.V. Rajan	Cureus
32	Tacrolimusconcentration/dose ratio: A tool for guiding Tacrolimus dosage post-renal transplantation	Mamatha T Shenoy , Jeyakumar Manavalan , Hariharan A , Suganthi K , Pradipta Kumar Mohanty	Cureus
33	A cross-sectional study evaluating the knowledge, attitude, and practice of evidence-based medicine among resident doctors of a health-care institution of national importance in India	Indumathi Prabath, Suja Xaviar, Vivekraj Navabalan, Jayanthi Mathaiyan	Perspectives in clinical research
34	Perception and practices on COVID-19 vaccination and booster dose acceptability among health-care workers – A questionnaire-based study	Nivethia K. Rathinakumar, Anandabaskar Nishanthi, Shanthi Manickam	Perspectives in clinical research
35	Endometrial stromal sarcoma in a young Nulliparous women: A case report	Subasri S, Nivedita K, Noorul N	JCDR



36	An unusual presentation of low grade chondrosarcoma of the first metatarsal bone requiring extensive resection : A case report	D Udayakumar , V Udaya, B Suresh Gandhi, Naveen Jegaprasath	Journal of clinical and diagnostic research
37	Barriers faced by healthcare providers during home visits of palliative care patients – A qualitative study	Priyanga Datchanamourty, M. Rajalakshmi, Kalaiselvan Ganapathy	Indian journal of palliative care
38	Evaluation of a short-structured learner-centric training program on rational drug prescribing for medical interns: A quasi-experimental study	Anandabaskar Nishanthi, Rajalakshmi Mahendran, Kalaiselvan Ganapathy, Manickam Shanthi	Journal of family medicine and primary care
39	Factors related to parental COVID-19 vaccine hesitancy for children: An exploratory factor analysis model	Reena Mohan, Sindhuri R, Kanimozhi Thandapani, Karthika Devi DS, Kalaiselvan Ganapathy	Journal of family medicine and primary care
40	Dyschromatosis universalis hereditaria	Aravind B Murthy, Vijayasankar Palaniappan, Kaliaperumal Karthikeyan, Varshini Anbarasan	Indian journal of dermatology
41	Clinico-dermoscopic features of Cydnidae pigmentation – a cluster of three cases within a family	Aravind B. Murthy, Jayapratha Selvaarasan , Kaliaperumal Karthikeyan	Indian journal of dermatology
42	Dermatosis Neglecta: A retrospective study at a tertiary care center in southern India	Vijayasankar Palaniappan , Anusuya Sadhasivamohan , Karthikeyan Kaliaperumal	Indian journal of dermatology
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45	Knowledge, attitude and acceptance towards Coronavirus Disease 2019 (COVID-19) vaccines among healthcare students of a tertiary care teaching hospital in south India: A cross-sectional study	Indumathi Prabath, Porkodi Ayyar, Vivekraj Navabalan, Radhika Krishnan	Indian journal of pharmaceutical education and research,
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47	Influence of educational intervention on awareness and attitude of nursing students towards adverse drug reaction reporting during Coronavirus disease 2019 (COVID-19) pandemic: A quasi-experimental study	Indumathi Prabath, Sangeetha Raja, Vivekraj Navabalan, Kalavalli Marimuthu	Journal of pharmacy and bioallied sciences

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68	Ocular manifestations in craniofacial injuries in patients attending tertiary care centre, Pondicherry	Isvarya Sriik, Nallamuthu P, Sripal A	International journal of academic medicine and pharmacy
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80	Role of diffusion- weighted magnetic resonance imaging in differentiating cholesteatoma from chronic suppurative Otitis Media: A cross-sectional study	Vasanthapriya Janarthanan, Thara Kelothe, Joe Vimal Raj, Roshen Raghaventhara Raghuraman, Elamparidhi Padmanaban, Kamala Manogna Nibhanupudi	International journal of anatomy, radiology and surgery
81	Efficacy of packed red cell transfusion in nutritional anaemia patient in a rural tertiary care center- A cross sectional study	V Sriram, Revathi G, V Vigneswaramoorthi, Erli Amel Ivan, Ramya G	Trends in clinical and medical sciences
82	Study to evaluate the expression of PAX2 in the diagnosis of premalignant and malignant lesions of endometrium	Srivani S, Jayanthi C, Meera M, Poomalar GK	International Journal of Life Sciences, Biotechnology and Pharma Research



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84	Study of microvessel density in breast carcinoma with CD34 immunostaining – An institutional experience in Puducherry	Vinayagamoorthi V, Ivan EA, Revathi G, Sriram V, Gandhi R, Mohan R	Journal of current research in scientific medicine.
85	Role of cytology in diagnosis of thyroiditis and possible pitfalls –An experience from a south Indian institute	Revathi G, Vimal M, Ivan EA.	Journal of NTR university of health sciences
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96	A comparative study between 0.125% bupivacaine and 0.2% ropivacaine in ultrasound-guided supraclavicular brachial plexus block using a perineural catheter for postoperative analgesia in upper limb surgeries	Dr.Dilip Chandar Desingh, Dr. Suneeth P Lazarus	Acta medical International
97	Study of the anemia status in children attending a tertiary care hospital in Tamil Nadu	Vignesh Sivaraj, Jeyakumar Manavalan, Arul Suyambunathan , Suresh Pichandi, Desigamani Kanniyappan	The journal of Krishna institute of medical sciences university
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99	Maxillofacial cemento-ossifying fibroma - A rare occurrence	Geetha Rajendran, Sanjay Pasupathy,Karthick Ragupathy, Ganesh	Global journal of health science and research
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106	A randomized control study to analyze the efficacy of local injection to autologous platelet-rich plasma in the treatment of lateral epicondylitis compared to local corticosteroid injection	Erlapati Naga Vankata, Ganesh, Manikandan Probin Joseph, Naveenkumar Kuppan	International journal of academic medicine and pharmacy
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111	An uncommon association of Pott's spine with pyogenic meningitis - A rare case report	Udayakumar D, Roobhini Sri NSK, Udaya V, Naveen Jegaprasath	International journal of orthopaedics and bone disorder
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114	Do children need humans or screen? Institutional-based cross-sectional study	Rajalakshmi M, Reenaa Mohan, Kanimozhi T, Karthika Devi D S	Sri Lanka journal of child health.
115	Stress levels in parents of neonates: an underrated aspect of neonatal intensive care?	Hemakrishnasai Mallapu, Preethi Tamilarasan, Hemanth Kumar Bondada, Arulkumaran Arunagirinathan	Journal of pediatric and neonatal individualized medicine
116	Mobile phones and children: exposure and pattern of usage of mobile phones among children - a descriptive cross-sectional study	Duvvur Preethika Reddy, Sujay Kumar Earan, Thambiprabagarane Kalaimani, Arulkumaran Arunagirinathan	International journal of contemporary pediatrics

117	Newborn care practices in rural Puducherry; a peek into the harmful practices-a cross sectional study	Sujay Kumar Earan, Duvvur Preethika Reddy, Arulkumaran Arunagirinathan	International journal of contemporary pediatrics
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119	Clinical audit on postpartum hemoglobin levels: A study on postpartum anemia	Jennifer John, A R Arsha, Shalini Balamurugan, Tresa Remya Athipozhi Thomas, Kulkarni Sweta, Poovizhi Kasilingam, Sanjay Pasupathy	Global journal of health sciences and research



## Patent filed in 2023

SI.No	Patent Application No.	Status of Patent (Published / Granted)	Inventor's Name	Title of the Patent	Patent Publication Grant Number
1	202341089676	Published	SMVMCH	Microscope with integral monitor controlled by joystick for performing biomedical analysis	64701
2	202341089687	Published	SMVMCH	Food delivery trolley with integral warmer	64703
3	202341089696	Published	SMVMCH	Urinary pot cleaning device with neutralized waste liquid outlet	64705
4	202341089684	Published	SMVMCH	post surgery medical equipment cleaning and sterilizing device	64702
5	202341089694	Published	SMVMCH	Battery operated portable table top blood gel card warmer with centrifuge pad	64704
6	L- 127571/2023	Granted	Dr.Shivayogappa S Teli	Manual rapid tissue processing method for small and urgent biopsies	20680
7	L- 129397/2023	Granted	Dr. V. Sriram	Manual rapid tissue processing method for small and urgent biopsies	8642

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