



# ICMLS 2024



## 5<sup>th</sup> National Conference of Indian Confederation of Medical Laboratory Science (ICMLS)

Theme: Insights on Navigating the Future of Medical Laboratory Profession

16<sup>th</sup>-17<sup>th</sup> November, 2024

JLN Auditorium, AIIMS, New Delhi



Scientific Programme



# 5<sup>th</sup> National Conference of Indian Confederation of Medical Laboratory Science

16<sup>th</sup>-17<sup>th</sup> November, 2024

JLN Auditorium, AIIMS, New Delhi  
Hosted by: ICMLS Delhi State Branch

## SATURDAY 16<sup>th</sup> NOVEMBER, 2024

Time	Program Schedule
8:00-10:00 AM	Registration of Delegates & Breakfast
10:15 AM	Arrival of Chief Guest and Guests of Honor
<b>10:20 AM</b>	<b>Opening Ceremony</b>
	<b>Chief Guest</b> : Dr. M. Srinivas, Director AIIMS, Delhi
	<b>Guests of Honor</b> : Padma Shri (Hon. Brig.) Dr. Arvind Lal, Executive Chairman, Dr Lal Path Labs Ltd.
	: Sh. Karan Singh, Deputy Director Administration, AIIMS, Delhi
	: Dr. Sudip Kumar Datta, HOD Lab Medicine, AIIMS, Delhi
10:20-10:25 AM	Welcome of Chief Guest & Dignitaries to the Dais
10:25-10:30 AM	Saraswati Vandana & Lamp Lighting
10:30-10:35 AM	Welcome Address by Mrs. Saroj Singh, Organizing Chairperson, ICMLS - 2024
10:35-10:45 AM	Key note Address by Dr. Kaptan Singh Sehrawat, President, ICMLS
10:45-10:50 AM	Address by Dr. Sudip Kumar Datta, HOD Lab. Medicine, AIIMS, Delhi
10:50-10:55 AM	Address by Sh. Karan Singh, Deputy Director, AIIMS, Delhi
10:55-11:05 AM	Address by Padma Shri (Hon Brig) Dr. Arvind Lal, Executive Chairman, Dr Lal Path Labs Ltd.
11:05-11:15 AM	Address by the Hon'ble Chief Guest Dr. M. Srinivas, Director, AIIMS, Delhi
11:15-11:20 AM	Release of ICMLS-2024 Souvenir
11:20-11:25 AM	Presentation of Prestigious ICMLS Awards
11:25-11:30 AM	Token of Appreciation to Chief Guest, Guest of Honor and Dignitaries
11:30-11:35 AM	Vote of Thanks by Dr. Pankaj Kaul, General Secretary, ICMLS
	<b>National Anthem</b>

**Plenary Session - I 11:40 AM -12:50 PM****Chairpersons:**

**Dr. Sudip Kumar Datta**, HOD Lab Medicine, AIIMS, Delhi  
**Padma Shri (Hon Brig) Dr. Arvind Lal**, Executive Chairman, Dr. Lal Path Labs Ltd.

- 11:40-12:10 PM**     **Error Disclosure in the Laboratory**  
**Dr. Jay Kalra MD, PhD, FRCPC, FCAHS, CCPE**  
 Professor, Department of Pathology  
 College of Medicine, University of Saskatchewan  
 Royal University Hospital, Saskatoon, Saskatchewan, Canada
- 12:10-12:30 PM**     Plenary Talk by-  
**Padma Shri (Hon Brig) Dr. Arvind Lal**,  
 Executive Chairman, Dr. Lal Path Labs Ltd.
- 12:30-12:50 PM**     **Key Performance Indicators in Clinical Laboratory**  
**Dr. Purva Mathur**  
 Professor, Department of Laboratory Medicine, JPNATC, AIIMS,  
 Delhi

**Plenary Session - II 12:50-01:30 PM****Recent Regulatory and Policy Developments in MLS Education & Practices****Chairpersons:**

**Dr. Pankaj Kaul, Dr. C.P. Pandey, Mr. Senthil Kumar J**

- 12:50-01:10 PM**     **NCAHP Act-2021: Current Implementation Status, Future Possibilities & Challenges for Indian Medical Laboratory Professionals**  
**Dr. Kaptan Singh Sehrawat**, President, ICMLS
- 01:10-01:30 PM**     **Strengthening Medical Laboratory Sciences in Asia: Overcoming Challenges Through Allied Health Act and Mutual Collaboration**  
**Ms. Harvinder Kaur Lakhbeer Singh (A.M.N.)**  
 MSc. OSHM (UUM), Dip. MLT (UM), MIMLS (Mal)  
 Chairperson of Asia Association of Medical Laboratory Scientists (AAMLS) Past President of Malaysian Institute of Medical Laboratory Sciences (MIMLS)

**01:30-02:30 PM**     **Lunch-Break**

**Plenary Session – III 02:30-03:15 PM****Recent Technological Developments in Medical Laboratory Science (MLS) Practices****Chairpersons:**

**Dr. Malliga, Dr. C. P. Pandey, Dr. Thirumurugan @ Murali P.**

- 02:30-02:45 PM**     **Laboratory Automation: Where we are?**  
**Dr. Surendra Kumar Sharma**, PGIMER, Chandigarh

- 02:45-03:00 PM** Emerging Technologies in Medical Laboratory Sciences  
**Ms. Anjana Kushwaha**, RP Centre, AIIMS, Delhi
- 03:00-03:15 PM** From Petri Plate to Sequencing: Recent Advances in Medical Microbiology Diagnostics  
**Dr. Monika Mahajan**, PGIMER, Chandigarh
- 03:15-03:30 PM** The Role of Medical Laboratory Technologist in the era of Automation in Histopathology  
**Dr. Ruchi Rathore**, Associate Professor, Department of Pathology, AIIMS, Delhi

**Plenary Session - IV 03:30-04:30 PM**  
**Quality, Patient Safety and Career Pathway**  
**Chairpersons:**

Dr. Ashvinder Raina, Dr. Pramod Kumar Verma, Dr. Malliga

- 03:30-3:45 PM** Transition to New ISO-15189:2022: Major Changes & impact  
**Dr. Malkit Singh**, Dean, Dolphin PG College of Life Sciences, Punjab
- 03:45-04:00 PM** Patient Safety in Clinical Laboratories  
**Dr. Pankaj Kaul**, Dean, USAHS, RBU, Mohali
- 4:00-04:15 PM** Career in Academics & Research: Unexplored Potential of MLS Professionals  
**Dr. Thirumurugan @ Murali P**,  
Principal I/C, College of MLT, MTPG & RIHS, Puducherry

**Session- V 04:15-04:45 PM**  
**Discussion on NCAHP Act-2021**  
**Moderator:** Dr. Kaptan Singh Sehrawat  
**Panelists :**

Dr. Pankaj Kaul, Dr. C.P. Pandey, Dr. Thirumurugan @ Murali P., Dr. Malliga,  
Mr. Manoj Kumar Mishra, Mr. G.S. Wadhawan, President, JFMTI (Special Invitee),  
Mr. Ajeet Singh, President, AIIMS Officer Association (Special Invitee)

**Session - VI 04:45-05:30 PM**  
**PANEL DISCUSSION:**  
**Important issues related to cadre, pay, allowances and initiatives of ICMLS & JFMTI**  
**Moderator:** Dr. Kaptan Singh Sehrawat, President, ICMLS

**Panelists:**

- Mr. Senthil Kumar J.**, General Secretary, Allied Healthcare Professionals Association, JIPMER, Puducherry
- Mr. Amit Kumar**, General Secretary, AIIMS Officer Association, AIIMS, New Delhi
- Mr. Ajay Atri**, Secretary General, PGIMTU, PGIMER, Chandigarh
- Mr. M.K. Pasha**, President, Employee Union, NIMHANS, Bengaluru
- Mr. Prabhat Kumar**, President, All India ESIC MLT Association, Ahmedabad

**Mr. Harish Chandra Pandey**, General Secretary, LHMC & AH MLT Association

**Ms. Mamta**, Representative Lab Staff, VMMC & SJH Delhi

**Mr. Mangal Singh**, General Secretary, CGHS-ICMLS Branch

**5:30-6:00 PM**      **Tea Break**

**Cultural Program 06:00-07:30 PM**

**Venue : JLN Auditorium**

**07:30-09:00PM**      **DINNER**

**SUNDAY 17<sup>th</sup> NOVEMBER, 2024**

**Time**                      **Program Schedule**

**08:00- 09:00 AM**      **Breakfast**

**Session VII 09:00 AM -10:40 AM**

**ORAL PRESENTATIONS**

**Chairpersons:**

**Dr. Prasenjit Das, Dr. Saurabh Mittal, Dr. Mahendra P. Bhatt,**

**Dr. C.P. Pandey, Dr. Malkit Singh**

- 09:00 - 09:10 AM**      Association Between Glycated Hemoglobin and Triglyceride Levels in Type 2 Diabetes Mellitus: Insights from a Cross-Sectional Study in a Tertiary Care Laboratory in Punjab, India  
**Mr. Gagandeep Singh**
- 09:10 - 09:20 AM**      Hepatic Dysfunction in Dengue Fever: A Biochemical Analysis  
**Ms. Shaina Bano**
- 09:20 - 09:30 AM**      Evaluation of knowledge and practice towards biomedical waste management among healthcare workers  
**Dr. Sonal Chitroda**
- 09:30 - 09:40 AM**      Incidence & Risk factors of Surgical site infections in Parul Sevashram Hospital  
**Ms. Ripal Sadhu**
- 09:40 - 09:50 AM**      To study the serum magnesium levels in chronic kidney disease patients with and without haemodialysis as a management strategy, at a primary care kidney clinic in Vadodara, Gujarat  
**Ms. Dhruvi Patel**
- 09:50 - 10:00 AM**      To Study the adverse reaction in allogeneic whole blood donor at Parul Sevashram Hospital Vadodara  
**Ms. Priyanka Potdar**
- 10:00-10:10 AM**      Evaluation of serum hepcidin and its Relation with glycemic status in gestational diabetes mellitus  
**Ms. Nalliarasi R.**

10:10 -10:20 AM	Seroprevalence of Scrub Typhus <b>Mr. Aditya Tanwar</b>
10:20 -10:30 AM	The Promise of Dyes for an Effective Solution in Diabetic Nephropathy Detection <b>Ms. Monu Kumari</b>
10:30 -10:40 AM	Prevalence of Carbapenem resistant strains of Klebsiella pneumoniae isolated from various clinical samples by using VITEK 2 in a tertiary care hospital <b>Ms. Deeksha Garg</b>

**10:40 11:00 AM Break**

**Session - VIII 11:00 AM-12:10 AM**

**ORAL PRESENTATION**

**Chairpersons:**

Dr. Prasenjit Das, Dr. Mahendra P. Bhatt, Dr. Suneeta Meena,  
Dr. C.P. Pandey, Dr. Malkit Singh

11:00 - 11:10 AM	Diabetes patients are at the higher risk with drug-resistant non albicans Candida <b>-Ms. Rosy Paul</b>
11:10 - 11:20 AM	Quantitative Analysis of Haemoglobin A2, Haemoglobin A1c, and P3 Values using High-Performance Liquid Chromatography (HPLC)- is P3 is part of HbA2 <b>-Dr. Sumanta Bera</b>
11:20 -11:30 AM	Bisphenol A: Clues for acting beyond Insulin Resistance for the development of metabolic-associated liver disorder <b>- Ms. Sonal Sangwan</b>
11:30 -11:40 AM	Devising a multiplex panel for early diagnosis of bloodstream infection <b>-Ms. Artee Tyagi</b>
11:40 -11:50 AM	Nerve biopsy: Clinical utility and technical aspects in modern neuropathology practice <b>-Mr. Surendra Kumar Sharma</b>
11:50-12:10 PM	Invited Talk: Quality Control in a Clinical Laboratory <b>- Dr. Tushar Sehgal, MD (Path), DM (Hematology)</b> Department of Lab Medicine, AIIMS, Delhi

**Parallel Session for Poster  
Evaluation in Poster Gallery**

**09:00 AM - 10:40AM**

Parallel Session - IX 09:00 AM -10:40 AM

POSTER PRESENTATIONS

Poster Gallery, JLN Auditorium, AIIMS, New Delhi

Poster Evaluation Committee

Dr. Pankaj Kaul, Dr. Ashvinder Raina, Dr. Surendra Kumar Sharma,  
Dr. Monika Mahajan, Dr. Pramod Kr. Verma

- (PPD-01) Direct sensitivity testing from positive blood culture broths in bacterial sepsis isolates in cancer patients; comparison with standard reference automated antibiotic susceptibility system  
- Ms. Divya Rathees T.
- (PPD-02) Diarrhoeagenic pathogens in a tertiary care and oncology transplant centre: Evaluation by syndromic PCR  
- Ms. Hemali Kadu
- (PPD-03) Immediate Spin Technique: The Need of Situation  
- Ms. Ruchika Kanojia
- (PPD-04) Creating a Future Road Map: Educating the Next Wave of Medical Lab Technicians  
- Ms. Sangita Kujur
- (PPD-05) Prevalence of Gram Negative Bacterial Etiological agents in suspected case of Pneumonia under 5 years age in a Tertiary Care Hospital at Champawat, Uttarakhand -Ms. Ankita Mahar
- (PPD-06) Navigating the Pre-Application Documentation for NABL Accreditation in Medical Laboratories  
- Ms. Nidhi Singh
- (PPD-07) Covid-19 Associated Mucormycosis Reported Cases in Tertiary Care Hospital  
- Ms. Renu Rani
- (PPD-08) Seroprevalence of typhoid fever in Haridwar District  
- Mr. Rinku Singh
- (PPD-09) Emerging Non-Invasive Cardiac Biomarkers: Advancements in Early Diagnosis and Management of Heart Diseases  
- Mr. Irshad Ahmed
- (PPD-10) Integration of Artificial intelligence in POCT  
- Mr. Yash Pratap Singh
- (PPD-11) Impact of implementation of National Accreditation Board for Testing and Calibration Laboratories (NABL) standard  
- Ms. Priyanka Srivastava
- (PPD-12) Beyond the Microscope: Integrating Artificial Intelligence in Pathological Analysis  
- Mr. Ram Pachauri

- (PPD-13) Analysis of Microbiology Laboratory Sample Rejections in The Pre-Analytical Stage at an Oncology Centre  
- **Ms. Reshma Sanjeevan Kamble**
- (PPD-14) Diagnostic utility of Impression Cytology in Ocular Surface Neoplasia  
- **Ms. Preeti Sharma**
- (PPD-15) Advances in Blood Transfusion Practices: Safety and Efficacy  
- **Ms. Ishrat Fatima**
- (PPD-16) Microbiology and Machine Learning  
- **Ms. Neetu Kushwaha**
- (PPD-17) Cases of Thrombocytopenia and Its Clinical Subtypes – A Retrospective Study  
- **Ms. Neha Pant**
- (PPD-18) Alcohol induced neuropathy pain and the potential implications of Molecular channels  
- **Dr. Shashidhar Mehta**
- (PPD-19) Massive Haemorrhage Protocol (MHP): For Life Saving  
- **Mr. Pradeep Kumar**
- (PPD-20) Correlation of PAPP-A and NT-pro-BNP in the Development of Cardiovascular Disease among Obese individuals  
- **Ms. Swathi T.**
- (PPD-21) Transfusion Medicine Balancing Benefits: The Impact of Plateletpheresis  
- **Mr. Gopal Sharma**
- (PPD-22) A study of RBC indices in patients with dimorphic anaemia at a tertiary care psychiatric institute  
- **Ms. Nisha Nirola**
- (PPD-23) An Analysis of Total Cholesterol and Serum Triglyceride Levels in Schizophrenia: Drug- Naïve, After Treatment, and Their First-Degree Relatives  
- **Mr. Pinku Mazumdar**
- (PPD-24) Classification of Anemia Prevalence in Population Health: A Time-Bound Prospective Study of 833 Cases  
- **Mr. Jinu Varghese**
- (PPD-25) Evaluation of NOBOX Homeobox Gene Expression and Associated Biomarkers in Women with Premature Ovarian Failure  
- **Ms. Priya R.**
- (PPS-01) The Potential of Wheatgrass Juice as a Natural Remedy for Anaemia in Women  
- **Ms. Sreya Palukuru**
- (PPS-02) Role of Artificial Intelligence in Diagnosis  
- **Mr. Sourabh Bajpai**



- (PPS-03)** Innovations in Gene Therapy: CRISPR-Cas9 as a Game Changer for treating Haematological disorders  
- **Ms. Ananya Gupta**
- (PPS-04)** Prevalence of Gram Negative Bacterial Uropathogens and Antimicrobial Resistance in Suspected case of UTI  
- **Mr. Saurabh Kanyal**
- (PPS-05)** Contribution of Laboratory Medicine in Clinical Embryology  
- **Mr. Nabajyoti Chakroborty**
- (PPS-06)** Microbiology Research Revolution: The Role of Automation in Modern Labs  
- **Ms. Neha Sharma**
- (PPS-07)** Infection Control in Healthcare Settings: Lessons Learned and Future Directions  
- **Ms. Sulekha Degaor**
- (PPS-08)** Serum Calcium, Phosphorus, and Alkaline Phosphatase Levels in Patients with Tuberculosis  
- **Ms. Aditi Bhardwaj**

**Session - X 12:15 PM - 01:10 PM**

### **INSPIRING LABORATORY HEROES**

**Dr. Sudhir Kumar Sharma,**

Chief Scientific Advisor, Quantom Biosciences

**Dr. Neeraj Lal,**

Chief Operating Officer, Apollo Hospital,

**Dr. Chaman Lal Dogra,**

Former Additional Commissioner Customs and Excise

**Dr. Mahendra P. Bhatt,**

Associate Professor and Head Department of Laboratory Medicine,  
Manmohan Memorial Institute of Health Sciences, Kathmandu, Nepal

President Nepal Association Medical Lab. Sciences,

**Dr. Vivek Kamar**

Scientific Director Quest Diagnostics, USA

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Insights on navigating the Future of Medical Laboratory Profession in India:

Vision, Mission and important initiatives of ICMLS

**Dr. Kaptan Singh Sehrawat,**

**President, ICMLS**

**01:10-1:30 PM Student Quiz**

**01:30-02:30 PM Lunch - Break**

## VALEDICTORY FUNCTION

02:30- 04:30 PM

### CHIEF GUEST

**Dr. Sasmit Patra,**  
Hon'ble Member of Parliament,  
Rajya Sabha & Advocate Supreme Court

### GUESTS OF HONOUR

**Dr. M. Srinivas,**  
Director AIIMS, New Delhi

**Sh. Karan Singh,**  
DDA, AIIMS, New Delhi

**Dr. Kamlesh Harish,**  
Medical Commissioner, ESIC HQ Delhi

**Professor (Dr.) Harish Pemde,**  
Medical Superintendent,  
Kalawati Saran Children's Hospital, New Delhi

- Welcome of Chief Guest & Guest of Honour
- Address by Dr. Kaptan Singh Sehrawat, President, ICMLS
- Address by the Guests of Honour
- Address by the Chief Guest
- Award Ceremony for best oral, poster, quiz winners & presentation of mementos, certificates to org. committee of ICMLS-2024.
- Announcement of the ICMLS-2025 Annual Conference at GMCH, Guwahati, Assam
- Vote of Thanks by the Organising Secretary, ICMLS-2024

### NATIONAL ANTHEM

4:30 - 05:00 PM HIGH TEA & FAREWELL





















# ICMLS upcoming National Conferences

**ICMLS-2025**  
**GMCH, Guwahati**



**ICMLS-2026**  
**Lucknow**



**ICMLS-2027**  
**Hyderabad**



**ICMLS-2028**  
**Bhubaneswar**



**ICMLS-2029**  
**Kolkata**



**ICMLS-2030**  
**Mumbai**



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