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Greetings from the President's desk



Greetings from the president's desk!

Microbiologists must play many roles, it's time for us to get out of our labs, our comfort zone and interact not only with the clinicians, the nurses, administrators, public health experts but the public too! We should be part of all awareness programs. The DRP program can be used to expose PGs to public and district health authorities. They will be

part of our rapid response teams tomorrow and should get field exposure in an organized manner.

As an organization for us to be effective we must have better coordination with our chapters, as a result our IAMM Secretary has taken a great initiative by creating the WhatsApp group where we interact regularly with the chapters. But we need to have the involvement of chapters in a more organized fashion. They must follow the guidelines, get their society registered, carry out scientific activities and send quarterly reports to secretary IAMM. The best chapter should be awarded at the National conference. The chapter should conduct PG quiz and send their best performers to national quiz and the chapter office bearers should come to national conference to cheer them too! There is a need to have regular meetings in online mode with the chapter office bearers to discuss the problems and share their success stories, but during the conference the chapter office bearers should have a meeting with the national body for better interaction and it would be better that the past presidents are also there in such meetings to make the association move forwards in a stronger manner. Similarly, the national EC should also meet more often, as a result we have conducted online meetings on a regular basis and are also working towards an additional physical meeting also.

There are plans to start some certificate and short training courses too for the PGs and young faculty, which will be announced soon. Moreover, we will be starting virtual clinical-Micro webinars for better clinical coordination and orientation of all.

Looking forwards to meeting you all soon in Pune.

Best wishes!

Bharti Malhotra
President IAMM

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NEWSLETTER

From the Secretary's desk



Season's greetings!

IAMM is striving ahead to keep up with changing times. We continue with online PG masterclass and its youtube channel. The PG Assembly for our young budding Microbiologists will be conducted in four centers from July to October this year onwards. Few training programs and courses will also be held in coming

months.

Now IAMM has 20 chapters in different regions, states and union territories. New guidelines for chapters have been uploaded on website under chapter tab. To enhance involvement of chapters and encourage their participation in the main conference it has been decided to include Quiz winning teams in main conference. Each chapter will send their teams and there will be two rounds of quiz.

The preparations for the Microcon-2024 in November are in full swing and I request all the members to attend this annual event in large numbers. My gentle reminder to all our members to put in nominations for this year's awards and also to the younger members to contest for the paper and poster prizes under various categories.

We have accomplished many wonderful things with the continued support and encouragement of all the past Presidents, the present President, Dr Bharti Malhotra and the actively working esteemed EC Members/Members who strive to take our association to newer heights.

PG masterclass continues to be a success. IAMM-NAMS CME in Jaipur is an example of collaborative efforts. IAMM is announcing multiple hands-on workshops in coming months. Also, the IPC course will start soon. All these courses will soon be open for registration.

I request all seniors to encourage our junior faculty and residents to become members of IAMM. This will strengthen our association. Also, Do Not Forget to cast your vote in EC elections in the ballot paper enclosed.

I seek blessings of almighty and all our senior faculty and past Presidents to continue the good work.

Best wishes !
Dr Sonal Saxena

IAMM Short Term Training Course

IAMM had invited Applications for conducting Training Program/short course/hands-on workshops under its aegis. Based on the intent letter/applications received following courses have been finalized for 2024. Each course is open for 15-20 students. Registration to these courses will open soon. The flyer will be updated on our website and registration form will be soon available with payment details. Registration entails refreshment and stationary for delegates and faculty. Candidates will have to bear the cost of travel and stay.

Course	Place	Registration fees	Course Coordinator	Dates
W01: Hands-on-Workshop on Approach to Diagnosis of Parasitic Diseases	PGIMER, Chandigarh	INR 3000/-	Dr Sumeeta Khurana	12-14 August, 2024
W02: Hands-on-Workshop on Molecular Diagnostics	SMS Medical College, Jaipur	INR 3000/-	Dr Bharti Malhotra	19-21 September 2024
W03: Antifungal Susceptibility Testing made easy – A Hands on Workshop	SRMC & RI, SRIHER, Porur, Chennai	INR 3000/-	Dr Anupama J Kindo	22-24 September 2024
W04: Hands-on-Workshop on Automated bacterial culture, identification, antimicrobial susceptibility testing including molecular resistance markers.	AIIMS, New Delhi	INR 3000/-	Dr Sarita Mohapatra	8-10 October 2024
W05: Hands on workshop on Antimicrobial Stewardship: antibiogram preparation and interpretation	Rukmini Birla Hospital, Jaipur	INR 1000/-	Dr Yogesh Gupta	6 th July 2024
W06: Techniques for Diagnosis of Tuberculosis (CBNAAT, TruNAAT, LPA, IGRA/TST, fluorescent microscopy & semiquantitative liquid culture)	Dayanand Medical College & Hospital, Ludhiana	INR 2000/-	Dr Veenu Gupta	8-9 th July 2024



47th Annual Congress of Indian Association of Medical Microbiologists



Welcome to the 47th Annual Congress of Indian Association of Medical Microbiologists!

Dear esteemed members of the Indian Association of Medical Microbiologists (IAMM), it is with great excitement and honour that we invite you to the **47th Annual Congress of IAMM - Microcon 2024**. We are humbled and grateful to the IAMM for the opportunity to host this momentous event scheduled to take place from **20th to 24th November 2024**, in the cultural capital of Maharashtra, the city of **Pune**. The conference will be hosted by the **Department of Microbiology, Byramjee Jeejeebhoy Government Medical College, Pune at Hotel TipTop International**.

This year, our conference embraces the theme, **"Transforming Future: From Microscopes to Genomics"** which is a testament to the monumental advancements in the field of microbiology. It celebrates the evolution from conventional microscopy to cutting-edge microscopy techniques, the integration of machine learning and artificial intelligence in various microbiological practices and from the pioneering Sanger sequencing to single molecule real-time sequencing. The theme explores and highlights the journey of discovery and innovation, underscoring the importance of both traditional and emerging technologies in understanding the microbial world.

The annual congress will offer a rich program of workshops, scientific sessions, and keynotes by leading national and international clinical microbiology experts. Meticulously designed to promote learning, inspiration, and professional dialogue, the event will also provide excellent opportunities for networking, collaboration, and building new professional connections.

A blend of history, culture, and culinary delights, the city offers everything from ancient forts and spiritual centers to bustling markets and rich biodiversity. Known for its diverse flavors, from traditional Maharashtrian dishes to modern fusion cuisine, Pune is an ideal travel destination. We welcome you to explore this magnificent city and immerse yourself in its unique cultural and gastronomic offerings.

We take pride in the warm hospitality that awaits you in Pune. The organizing committee is dedicated to providing a comfortable and enriching experience for all delegates, welcoming you with traditional Maharashtrian warmth and grace for a memorable stay.

Dear delegates, we cordially invite you to be a part of this gala scientific event. Please register for the annual congress through our website www.microcon2024.in. For any further information or assistance, do not hesitate to contact us using the numbers provided on the website. We eagerly await your participation in what promises to be a landmark event in the field of clinical microbiology.

Join us in Pune for Microcon 2024, where history, culture, and science converge!



Dr Rajesh Karyakarte
Organizing Secretary



Dr Smita Deshpande
Joint Organizing Secretary



IAMM Activities

IAMM-NAMS-CME: Charting the Future for Microbiologists

On March 16, 2024, IAMM, in collaboration with the National Academy of Medical Sciences (NAMS) and the Department of Microbiology at SMS Medical College, Jaipur, organized a CME titled "Way Forward for Microbiologists." This hybrid event provided a platform for insightful discussions on emerging challenges and opportunities in the field of microbiology, charting a course for the future of the profession and was attended by more than 150 participants.

The CME also focused on the role of NAMS in modern medical education, responsibilities of Microbiologists as medical teachers and mentors for research and NAMS mandate to conduct mentor mentee program. During the inauguration Dr Shobha Broor the past president IAMM and NAMS observer informed all about activities done by NAMS and how becoming a member and fellow of NAMS can help the scientists. Dr Bharti Malhotra organiser of the CME, Additional Principal and Professor Microbiology SMS, Medical College Jaipur who is also president of national body of Indian Association of Medical Microbiologist IAMM informed the thoughts and insights behind the CME.

This was a unique CME organised by current President IAMM and attended by 9 past presidents of IAMM, Secretary IAMM and editor IAMM who gave lectures on various topics. Dr V Ravi deliberated on how to diagnose the acute encephalitis syndrome commonly called as brain fever, with newer technology 75% agents can be diagnosed now. Dr Pallab Ray delivered talk on microbiome in human health, millions of bacteria are present in gut of human which can affect health of human, use of fecal microbiota for treating diseases was also discussed. Dr Chand Wattal described how to carry out the antimicrobial stewardship program which is need of day if we want any effective antibiotics to save us.

Dr Sonal Saxena, co-organiser of CME described newer ways to identify drug resistance. Dr B L Sherwal moderated the panel discussion on ways forward for microbiologist. Dr Abhay Choudhary described how we can modify curriculum and train students on newer CBME methods, Dr Reba Kanungo described how we can use DRP programs for encouraging public awareness for infections and AMR. Dr Arti Kapil deliberated on how IAMM can help in making important guidelines for use. Dr Shobha Broor explained about how NAMS National academy of medical science can help promote education and science, Dr Pratibha Narang described how we can promote research among younger generations.

Dr SK Singh talked about importance for interacting with clinicians for proper diagnosis.

Dr Malhotra informed that it's time we have one health approach for diagnosis and treatment of diseases as pathogens do not know boundaries and it's important to interact and share data with veterinarian, environmental experts, fisheries, climate, public health, clinicians and all.

We have to be pandemic ready whether it be due to antimicrobial resistance or the emerging and reemerging pathogens.

Major recommendations of CME/workshop/seminar

- Multidisciplinary and one health approach for management of diseases.
- Regular clinico-micro grand rounds which can be online, having the syndromic approach planned with different clinical specialties.
- Periodic meetings with EC members of other clinical associations of surgeons, physicians, pediatricians, gynecologists.
- Periodic meetings/ CME with veterinarians, public health team, environment, wildlife, fisheries etc to work for Zoonotic diseases and AMR containment.
- Form research groups to study the profile of pathogens prevalent in the area using uniform methodology and come out with a diagnostic algorithm for the area. VRDL and NCDC network can be used for same.
- National body and different chapters of IAMM to be activated to do above activities.
- Regular meetings of national IAMM body and past presidents with state chapters to integrate all together and move ahead as a strong force.
- Public health awareness programs to be taken up by state chapters, national body can give guidance and incentive.
- Implementation of Antimicrobial Stewardship in hospital settings.
- Creating awareness of microbiology/ microbiologist in general public
- Promote research so that young professionals can understand the importance of microbiology in society and work for better future of microbiology which will help in public health only.
- Focus on PG Academics, encouraging them for various trainings, fellowships, courses for their career progress.

IAMM EC MEETING

An extraordinary meeting of the Executive Council was held on 4th April in online mode under the chairmanship of President, Dr Bharti Malhotra. The minutes of the meeting of the expert group were circulated and approved as given below.

Minutes of IAMM Executive council on 4th March in online mode to approve the expert group meeting held on 16th March 2024 in Jaipur

A meeting of the IAMM expert group as invited by president was held at Jaipur and the chairmanship of the IAMM president Dr Bharti Malhotra, the convener of the meeting. The meeting was attended by Dr Arunaloke Chakravarti, Dr V Ravi, Dr. Abhay Chaudhary, Dr. Pratibha Narang, Dr. Arti Kapil, Dr. Reba Kanungo, Dr Shobha Broor, Dr Pallab Ray, Dr. B., L. Sherwal, Dr Sonal Saxena, Dr. Chand Wattal and Dr. Yogesh Gupta. The meeting was convened to decide the future roadmap of IAMM.

The president welcomed all the members to the meeting and asked the secretary to start the proceedings. The agenda had been circulated Previously by mail. The printed copies of the updated Chapter guidelines and the infection control course curriculum were provided to all members of the committee.



1) Financial situation of IAMM: A lot of discussion was done regarding the financial input and it was decided that at least 85% of the yearly income should be used so that the income of IAMM is not taxable. All members felt that SOP, or guidelines should be made for the expenditure of this money. Dr V. Ravi suggested that one third of this amount should go for mentoring that included either Travel grant or the course or training that can be conducted. Some amount should also be spent on partnering with academic bodies by holding joint conferences or having meetings to formulate certain guidelines jointly. The remaining one third should be spent in outreach activities, and for extending the umbrella and the reach of IAMM.

This matter is approved by EC and will be submitted to GBM for finalization of committee to decide modalities of expenditure of the amount.

Dr Sheela Devi, Treasurer would discuss with CA and tax consultants whether IAMM income is taxable or not. This would be done after she gets all the documents from Dr Manoj and the account is transferred to Puducherry with change of signatory. She will require a letter a copy of minutes for the same from IAMM secretariat.

2) Fellowship of IAMM: It was suggested that IAMM should start a fellowship as named as a fellow of IAMM (FIAMM). Every year 10 such fellowships may be given to deserving candidates. These would be advertised in newsletter and on website. This would require formulation of guidelines. fellowship would be like a convocation where the fellow would be conferred in the annual conference. This fellow would be chosen from the CV and the eligibility criteria and modalities would be worked out by a 5 to 6-member committee.

This was approved by EC. The Secretary and President would find out if approval is required from any regulatory body. The fellowship would be given based on CV. Only life members with MD Microbiology would be eligible for applying for this fellowship. Initially 10 such fellowship would be given in the midcon/annual conference.

3) Mid-Microcon: All members felt that it would be a good idea to hold a MidCon in the month of January to May of each year. This would be a 2-3 days conference with a CME. The mid con would be organized either at the Secretary, or at the president's town and would be managed by the executive committee. The midcon would also hold an mid year EC meeting. Attempt should be made to hold multiple EC meetings in online mode so the work can be allotted and action points can be converted into deliverables.

This was approved by EC for ratification by GBM. The EC members would work out the final details and create guidelines. Following suggestions were forthcoming by EC. The meeting should be organized in both online and onsite modes. Involvement of all EC members will be required. It would be a 2 days program every year on any one sub-specialty of microbiology. The support from the President & Secretary of State Chapter will be mandatory.

4) To have President elect: All members felt that the tenure of the president being one year makes it difficult for the president to coordinate any outreach activities. Henceforth, it would be proposed in the coming GB and EC meet that, the president elect name would be announced a year before that way the

president will continue to work as the president elect then his term as a president and then as an ex official president matter. This was approved by EC for ratification by GBM.

5) Infection & Prevention & control certificate course: The infection control course curriculum was discussed in the expert group, suggestions were incorporated and a draft was made. The curriculum for the infection control course along with logistics was approved unanimously by expert group. Suggestions regarding involving multiple centers for contact sessions, making it more interactive and incorporating multiple assessments was emphasized. It was suggested that the document would be discussed with EC members and the modules would be developed. The EC members would be allotted the topics for module development. Dr Purva Mathur with her expertise and similar infection control experts would be invited to be part of meeting and finalization.

This was approved by EC for circulation. The curriculum has been sent to Dr Purva. As soon as her inputs are received, it would be shared with EC members. All EC members agreed to develop the modules as suggested by secretary. Each module would have an EC member and 2-3 faculty chosen from area of IPC

6) Revision of Chapter guidelines: Chapter guidelines have become very old and the revised document prepared by Secretary was placed before the members. The document was approved for discussion with EC members.

This was approved by EC for circulation to chapters. The Chapter guidelines were circulated by electronic mode due to paucity of time after the meeting. Multiple suggestions were given that were incorporated to keep it practical and implementable. It was suggested that no chapter may be required to change their names if they are already registered but all other points in guidelines would be applicable to them also. The members agreed that either 20% of savings or a pre-decided percent of registration for annual chapter be deposited with IAMM. All present Chapters (State & City based) will be regularized & included

In future, only one State Chapters will be allowed till further changes made. As a one-time consideration, Guwahati Chapter & Vidarbha Chapter will be regularized after approval in GBM in Microcon 2024 is the request is made by chapters.

7) Microcon Scientific program: Another matter pointed out, was the ambiguity and repetitiveness of the IAMM program. This leads to lot of disinterest amongst the members, and the attendance falls very short in the conference. Henceforth it was suggested in the GB that the parallel sessions should be kept to a minimum of two or three. This has been drafted in the conference guidelines as well. The IAMM organizing committee should make the program only in consultation with the IAMM President, Secretary, Executive Comtt. and the advisory committee of IAMM. This advisory Comtt would be constituted and the organizing secretary of MICROCON2024 informed by Dr Sonal, Secretary. This was approved by EC.

8) IAMM quiz: The members of the expert group felt that the quiz is not getting its due recognition. It was felt that it could be used to encourage the chapters to participate in the quiz for this purpose. It was decided that all chapters will send a 2 to 3 member team (that is the winners of their original rounds of quiz) to the final conference. There can be 3 steps, state rounds, zonal rounds and then final during MICROCON if



possible. The registration expense of these students would be borne by the organizer/ IAMM /Chapter for microcon but no other support would be provided. In addition, two teams would be selected at annual congress itself. If the participants are more than five teams, then the screening round would be held among these participants to select three teams of 2-3 students. An IAMM Quiz trophy/shield would be awarded to the chapter in addition to winners. This would be also acknowledging the contribution of the chapters during their chapter meet.

Lot of deliberations were done regarding selection of participants. State Chapter to send their winners for national congress and then selection will be done in preliminary rounds. The quiz would be held in both annual and mid-year conference. Finalist of quiz of Mid Con will be given direct chance to participate in Microcon.

9) Membership drive: IAMM needs to denote time and efforts to increase members. The suggestions for the same were to initiate a membership drive. For this all executive members and chapter secretaries would be approached to initiate a membership drive in their institutions. This would bring in new members from all the executive committee, and the places where they are working. An effort would be made to contact chapter secretaries so as to increase memberships. This can be done during chapter meets and activities of the state chapters. Fliers and advertisement ppts. would be shared with chapters and on IAMM website. IAMM fliers will inform about the advantages of becoming members such as access to IJMM.

The same need was also felt by EC members. All EC members would strive to increase members in their institutions and states. The members felt that the conversion of associate to life membership is not occurring. For this it was felt that anyone who has paid three years of associate membership (i.e. Rs 3,000), it would be given discounted life membership at Rs. 7000, instead of Rs. 10,000/-. This would be presented in GBM.

10) College of IAMM: Detailed deliberations were done on creating a college of IAMM. This college would be able to certify the certificate courses and trainings for our young budding microbiologist who are interested. It was mutually decided to create a 3 to 4 members committee headed by Dr Abhay Chaudhary, who volunteered to work out the modalities and legal framework. Initially the courses would work with the help of an academic subcommittee for a few years and would later be made into a college. The college would work as a trust similar to EQAS trust with separate account, secretarial staff etc.

This was approved by EC. Mail would be sent to Dr Abhay Chaudhary for coopting members for formulating guidelines. Dr Sanjay. Joint Secretary would liaison with him on this.

11) Chapter involvement: Dr Bharti Malhotra, the president felt that it was important to initiate the chapters involvement into the activities of IAMM. As a result, she felt that regular meetings should of at least two per year should be conducted, preferably in an online mode with all Chapter secretaries by the IAMM executive. This could generate ideas and allow exchange of ideas.

This was approved by EC. It was suggested that at least two online meeting would be held with chapter secretaries and presidents or a person nominated by them.

The guidelines would be circulated. Combined trainings, CME, workshops can be organized and would be encouraged in association with IAMM.

12) Online Webinar – Dr Bharti Malhotra expressed that there is need to have clinico- microbiological meetings involving clinicians from various national bodies and presentations can be done online for benefit of all.

Moreover there is also need to create awareness on One Health approach and involve not only clinicians but also other disciplines like veterinary, wildlife, environment etc.

This was approved by EC. An online webinar would be held on 1st or 2nd Friday of every month. The President Dr Bharti Malhotra would coordinate these webinars using the same platform as Zoom. The session would be for one hour with 2-3 talks of 20-30 minutes followed by discussion for 10-15 minutes. Wide publicity would be given to these via state chapters and social media.

13) Short term training programs: the members felt that MOU can be drafted with companies for establishing short term training programs of 3-5 days duration. Also, in the next newsletter a call for institutions willing to conduct these short term training courses of 3 to 5 days for a payment of 3000 to 5000 per candidate would be initiated. The training courses rate would be minimum for the students and later on they may be increased to for nonmembers. Dr Bharti, the president was willing to conduct the course on molecular diagnostics, which would be a hands-on course similar on the lines of PG assembly. A structured program would be made for these, and then it would be conducted.

This was approved by EC. Initially all EC members would be invited to submit any suggestions for hosting the program. Suggestions would be asked from other institutions later on. Dr Sonal, Secretary would make a flyer and circulate via newsletter, emails, social media and website.

14) IJMM

- It was felt that the students often fail to publish their thesis work. The suggestion was to create a student corner that would accept student articles. This was agreed in principle by the editor but the modalities would be worked out without compromising the quality of papers being published. The articles would be peer reviewed before publication.
- IJMM Reviewers: timely review of IJMM delays publication and effects timelines. The following Past Presidents have taken upon themselves to help IJMM find a reviewer if they at that point of time themselves are not inclined to review. These include Dr Pratibha Narang, Dr A Chakraborti, Dr Ravi Vasanthapuram, Dr Abhay Chaudhary, Dr B L Sherwal, Dr Shobha Broor, Dr Reba Kanungo, Dr Arti Kapil, Dr Pallab Ray and Dr Bharti Malhotra.

This was approved by EC.

15. The PG Assembly: The MOU with Biomerieux has to be renewed for another 5 years. The PG Assembly team will discuss and carry it forward. Dr Neeraj Goel may be allowed to continue on PG Assembly team. This was approved by EC also.



Activities of IAMM chapters

IAMM DELHI CHAPTER

The 15th annual meet of IAMM Delhi Chapter "MICRO-D-CON- 2023" was successfully conducted on 2-4th November 2023 at Hotel Holiday Inn, Mayur Vihar. The theme of the meet was "Microbiology in Amrit Kaal" Preconference CME on Recent advances in transplantation microbiology was attended by 100 delegates. Six preconference satellite workshops were held on i) Invasive fungal infections: Lab diagnosis, AFST & molecular methods, ii) Non culture based diagnosis of fungal infections, iii) Diagnostic techniques for autoimmune disorders, iv) Infection Prevention and Control and AMSP in Special Care Units, v) Dermatophytes : Dermascopy & immune responses and vi) NGS, Nanopore sequencing & metageomics at various institutions and were attended by 95 delegates. The conference was attended by 275 delegates. It included oral paper session for postgraduate students, VMMC oral paper, posters in various categories, MAMC quiz award. Key note address on 'Role of AI in infectious diseases– goals for Amrit Kaal' was delivered by . This was followed by panel discussion on 'Infectious diseases in digital age' and PG symposium on 'Drug Resistant Tuberculosis'. The conference ended with General body meeting in which new office bearers were announced.

IAMM RAJASTHAN

Rabies Prevention Awareness Campaign: On September 28, 2023, IAMM RC spearheaded a public awareness campaign and poster release event focused on Rabies prevention. Through informative posters and engaging discussions, we aimed to educate the public on the importance of vaccination and responsible pet ownership in preventing this deadly disease. Following the awareness campaign, IAMM RC organized a quiz on rabies on September 30, 2023. Participants put their knowledge to the test, deepening their understanding of rabies prevention and treatment while competing in a friendly and educational environment.

Second Raj MICROCON "MICROBE: INVISIBLE TO INVINCIBLE" : From October 7 to October 8, 2023, IAMM RC proudly hosted the second Raj MICROCON at National Institute of Medical Sciences, Jaipur. This prestigious event brought together experts and enthusiasts in the field of Microbiology. Pre-conference workshops covered a range of topics on sero diagnosis of fungal infections, Bacteriophage, WHONET utilization, syndromic approach to infectious disease diagnosis, and quality control in Microbiology.

World AMR Awareness Week: Combating Antimicrobial Resistance: During World Antimicrobial Resistance (AMR) Awareness Week, observed from November 18 to November 24, 2023, in association with Dept of Microbiology, SMS Medical College organized various activities to address this critical issue. These included a public awareness activity held at Central Park, Jaipur, a Continuing Medical Education (CME) session on November 20, 2023, focused on improving clinical outcomes through the optimization of antibiotic practices, and a rural public awareness activity on AMR conducted at Village Achrol, Distt Jaipur.

IAMM -TAMIL NADU

Madras Medical College & RGGGH in association with IAMM (Tamilnadu chapter) on 3rd and 4th of November 2023 organized as State level workshop on "phenotypic & genotypic detection methods for antimicrobial resistance". About 60 MD Microbiology postgraduates from various institutes from Govt. and private medical colleges participated in the workshop. The aim of the Workshop was to inspire all Postgraduates to become AMR champions and to contribute actively towards combatting AMR in their respective healthcare facility.

Workshop topics included Detection of Resistance Mechanism in Gram positive cocci, Enterobacterales, Enteric Pathogens, non-fermenters, Antifungal Susceptibility Testing for Yeast, Moulds and Automated AST. The participants were also trained on Molecular Methods for detection of AMR. Participants were divided into groups and hands on training was given to each of them. To aid learning and for ready reference, comprehensive Workshop manual was prepared by the Faculty Institute of Microbiology which was released at the Inaugural event. This workshop was accredited by Tamilnadu Medical Council and was awarded 4 credit hours.

IAMM BIHAR

Bihar MICROCON 2024, the Foundation Chapter, successfully unfolded from February 9th to 10th in the year 2024, after Jharkhand part separated out from Bihar-Jharkhand Chapter IAMM in December 2023. The conference was held under the chairmanship of Dr. Ranjan Kumar Srivastava PMCH, Patna. Dr. Priyanka Narain was the organising secretary. Renowned national speakers like Dr. Jagdish Chander, Dr. Subhash Chandra Parija, Dr. Sonal Saxena, and Dr. Binita Kashyap, along with many others, graced the event with their expertise. The chosen theme, "Clinical Microbiology at Crossroads: Emerging Challenges of Antimicrobial Resistance," resonated deeply, highlighting the critical need to address this growing concern. The prestigious conference was inaugurated by the esteemed Chief Guest, Shri Sanjay Kumar Singh, and honored by the presence of distinguished Guests of Honor, Padmashree Dr. Shanti Roy and Dr. Sahjanand Prasad Singh. The inauguration ceremony was further enriched by the participation of Dr. Vidyapati Chaudhari, Dr. Indra Shekhar Thakur, Dr. Y.K. Singh, and Dr. Namrata Kumari. Dr. Y.K. Singh, and Dr. Namrata Kumari had been the President and Secretary respectively for the last Bihar-Jharkhand Chapter IAMM.

Beyond exploring the latest advancements in medical microbiology through diverse sessions, the conference emphasized the crucial need to understand the future challenges posed by antimicrobial resistance. This emphasis served as a stark reminder of the collective responsibility we hold in tackling this multifaceted issue and ensuring effective patient care in the face of evolving drug resistance patterns.



IAMM UP-UK

The 19th annual conference of Uttar Pradesh and Uttarakhand UPUK-MICROCON2024 was organized on 9-10th February 2024 by Prof Ankur Goel Professor and Head Department of Microbiology and his team, at SN Medical College Agra. Total 6 workshops and CME were organized on 9th February. Renowned Dr VM Katoch and National President Dr Bharti Malhotra were guests of honor at the inauguration of the Conference. The prestigious UC Chaturvedi Oration Award was given to Prof Ujjala Ghoshal. Various awards like Prof A Ayyagari Junior Scientist Best Paper Award in the Field of Antimicrobial Resistance, Prof P C Sen Junior Scientist Best Paper Award and Best Poster awards in all branches of microbiology were given to residents and junior faculty of state. Around 450 delegates attended the conference.

IAMM - ODISHA

IAMM (Odisha Chapter) conducted its 14th Annual Conference, which was organized by Department of Microbiology, Saheed Laxman Nayak Medical College & Hospital, Koraput, Odisha on 29th September 2023 under the leadership of Dr Susanta Kumar Sahu as Organizing secretary. The theme of the conference was "Early Diagnosis- Road map to Infection Control". Dr Radhakanta Ratho, Head of the Department of Virology and Sub-Dean (Research), PGIMER, Chandigarh was chief speaker and was felicitated with the prestigious "Dr Bikram Das Oration" award. He delivered the oration on "Recent advances on Water-borne Viral Hepatitis and Challenges Ahead".

A national symposium with the theme "Early Diagnosis : Road map to Infection Control" was conducted and eminent speakers from the state and outside the state presented on "Rapid Diagnosis in Blood Stream Infection", "Early Diagnostic Avenues in Infections of the CNS", and "Early Diagnosis of Respiratory Infections". More than 250 participants including 122 microbiologists, 66 medical students and 20 faculties of other disciplines from this medical college participated in the event. The conference was graced by the Dean & Principal of SLN Medical College, the president of IAMM(OC) Dr Gitanjali Sarangi and secretary of IAMM(OC) Dr Suneeta Sahu. In the conference Dr Jagadananda Jena, retired professor was felicitated. The students of different medical colleges who topped in the 2nd professional MBBS examination in 2022-23 were presented with Omm award. A souvenir was released to mark the occasion. A total number of 18 scientific papers and 17 oral papers were presented by the Post graduate students. Also a quiz competition was conducted among the PG students. The conference concluded with a cultural event followed by gala dinner.

IAMM Odisha Chapter also organized a CME on 16th February 2024 on Multiplex PCR: Bench to bedside.

IAMM GUWAHATI

A 3 days workshop on 'Hospital Infection Control' was organised by in Indian Association of Medical Microbiologist- Guwahati chapter from 22nd January 2024 to 24th January 2024 in collaboration with Sri Sankaradeva Nethralaya, Guwahati and Dr. B. Barooah Cancer Institute (BBCI), Guwahati. The workshop was well attended by more than 30 delegates from various hospitals, both private

and government sectors of Guwahati. The main objective of organising this workshop, which was one of the first of its kind in North East India, was to bring awareness and train doctors, nurses, lab technicians and paramedical staff involved in Hospital infection control activities. The course coordinated by Dr. Krishna Gogoi, comprised of classroom training, hands on training, site visits and practical demonstrations of infection prevention and control practices and protocols in a health care setting.

IAMM PUDUCHERRY

The Department of Microbiology, Sri Lakshmi Narayana Institute of Medical Sciences (SLIMS) organized a National CME on "SUPERBUGS..ALERT..REACT..", on 17.2.2024 in association with IAMM -Puducherry Chapter, under the aegis of Medical Education Unit & IQAC, SLIMS. Nearly 110 delegates enthusiastically participated in the CME in

both online and offline modes. Prof. Reba Kanungo and Prof. Sheela Devi ,Secretary of IAMM(Puducherry chapter) took part in the CME.

In the view of this event, there were oral and poster presentations for UG/PG / Faculty. This CME was accredited by Tamil Nadu Medical Council with 1 credit hours.

The first annual conference of the Indian Association of Medical Microbiologists IAMM – Puducherry Chapter "PONDY-MICROCON" was held on 20-21st April 2024 at the JIPMER International School of Public Health with Prof. Rakesh Singh (President of the Association Chapter) as the Organizing Chairperson & Prof. Sheela Devi (Secretary of the Chapter), the organizing Secretary. The theme for the conference was "Exploring Frontiers in Clinical Microbiology: Innovations, Challenges and Best Practices". There were 282 participants who registered for the conference. Delegates hailed from Orissa, Madhya Pradesh, Kerala, Karnataka and Tamil Nadu, including a large number from the Union Territory of Pondicherry. The inauguration ceremony was attended by galaxy of microbiologists which included Prof. Bharti Malhotra, President of IAMM, Prof. Sonal Saxena, Secretary-IAMM, Prof. Shanmugham, Past president IAMM, Prof. Parija SC, Former Vice Chancellor of Sri Balaji Vidyapeeth and Prof. Reba Kanungo, Past president IAMM. The Scientific sessions started with guest lectures by Dr V Ravi, Head R& D, TATA MD on "Innovating for Impact: Best Practices in Translating Clinical Microbiology Advancements" followed by Dr Suresh Kumar Infectious Disease Specialist from Apollo Chennai on "Challenges in treating gram negative bacterial infection - Indian scenario". Panel discussion moderated by Dr Nandita Banaji, HoD Microbiology, IGM&RI, focused on "Latent TB Infection and Tuberculosis Preventive Therapy" by Dr. Noyal Maria Joseph, Microbiologist, JIPMER, Dr. Venkatesh. C STO, NTEP, Puducherry and Dr. Ramesh P.M Pulmonologist, Stanley Medical College, Chennai. Quiz on Microbiology and infectious diseases was conducted for postgraduates and undergraduates. Interesting clinical cases were discussed by invited Clinicians and Microbiologists. There was a good response for oral and poster presentations from the postgraduate and undergraduate students.



A total of 26 oral and 44 poster presentation were submitted by the delegates. The best three from each category was awarded a Medal and Certificate.

TNMC awarded 2 credit hours for the academic deliberations. The CME program on Diagnosis and management of sepsis was organized by the Department of microbiology, MGMCRI in Association with IAMM Puducherry chapter on the 6th October 2023 at MGMCRI College block. A total of 116 Participants which included post graduates and faculty from various disciplines across various medical Colleges.

The Department of Microbiology, Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), Puducherry organized "Third Advanced National Workshop on Medical Mycology" from 7-9th December 2023, under the auspices of IAMM Pondicherry chapter. The workshop covered diagnostic methods in medical mycology including molecular and automated diagnostic techniques.

It was attended by 26 participants and was accredited by the Tamilnadu Medical Council (TNMC) with six credit hours.

The Department of Microbiology under the auspices of IAMM, Puducherry chapter, organized a CME titled "Artificial Intelligence and Infectious Diseases" on 4th November 2023. The inaugural ceremony was graced by Dr. Rakesh Singh, President and Dr Sheela Devi, Secretary, IAMM, Puducherry chapter. The CME was a one day program and was awarded with 2 credit points by the TNMC. Around 175 participants at the national level participated through hybrid mode. The

A total of 15 oral presentations were done by faculty and Post graduates.

IAMM GUJRAT

IAMM Gujarat chapter has organized Two days State level Conference on 13th and 14th April 2024 at Ahmedabad under leadership of organizing president Dr. Bhavin Kapadiya and Dr. Kamlesh Patel as organizing secretary.

The event saw enthusiastic participation of M.D Microbiologist across the Gujarat state. Around 296 Microbiologists has participated in this scientific event. The dais of conference were honored by veteran Microbiologist Dr. Bhartiben Purohit as Chief guest along with Dr. Mahendra Vegad and Dr. Pranay Shay as Guest of Honor. The theme of event was "Clinical Microbiology, Automation and AMR". The scientific events had 7 Lectures by eminent speakers and 3 Panel discussion. The hot topics in panel discussion were "CBME – Competency based Medical education Advantage or Disadvantage to UG Medical student in Microbiology subject" moderated by Dr. Urvesh Shah and "Career Prospects in Microbiology" moderated by Dr. Sanjay Rathod. Around 36 Posters and 33 oral presentation from various institution were showcased by postgraduate students. Total 13 Exhibitors has participated in this event. 3 CME hours were granted to participant by Gujarat Medical Council.

IAMM CHATTISGARH

CAMM (CG chapter of IAMM) organised two academic events in 2024.

1. National CME and Workshop on Mycology, titled-

"Clinico-Mycological Update: Uncovering the unknown".

It was organised by the Department of Microbiology, AIIMS Raipur, under the aegis of Chhattisgarh Association of Medical Microbiologists (CAMM)-CG chapter of IAMM, on January 30 and 31, 2024. There were 150 participants for CME, while workshop participation had 38 entries, who were from not only Chhattisgarh, but also from other states like Punjab, Odisha, Madhya Pradesh and Maharashtra.. The workshop aimed to equip microbiologists in the region with the knowledge and skills to upgrade their respective labs for diagnosing fungal infections. This, in turn, would better equip physicians to manage patients suffering from these conditions.

In the hands-on sessions, participants learned the skills to identify yeast and molds, perform antifungal susceptibility testing, and conduct fungal serological tests. These sessions were facilitated by the Senior and Junior residents and technicians of the Department of Microbiology at AIIMS Raipur.

Workshop was followed by CME on January 31, 2024, which was studded with star academicians like Prof. Arunaloake Chakraborty, Director, Doodhadhari Burfani Hospital Bhupatwala, Haridwar & Ex. Prof & Head, Department of Medical Microbiology, PGIMER Chandigarh and an extremely renowned Mycologist of international repute, Dr Savitri Sharma, Ex Director LV Prasad eye Institute, Hyderabad and Dr. Shivprakash, in-charge of NCCPF & Mycology division PGIMER, Chandigarh.

In addition to the guest speakers, a distinguished faculty from various specialities of AIIMS Raipur also addressed various fungal infections, encompassing both their laboratory and clinical aspects. The CME & Workshop achieved its goal of comprehensively covering fungal infections. The event raised active participation and knowledge exchange between clinicians and microbiologists.

2. The second event was a CME on "Infection prevention and control: Break the chain and make the barriers", which was conducted by the Department of Microbiology, Government Medical College, Mahasamund, under the aegis of Chhattisgarh Association of Medical Microbiologist (CAMM) on 10th February 2024 at Sanskriti Bhawan, Kharora, Mahasamund (C.G.).

The guest speakers included Dr Manisha Biswal, Professor, Department of Microbiology, PGIMER, Chandigarh, who spoke on the National Guidelines on HAI Surveillance, Dr Anudita Bhargava, Professor and Head, Department of Microbiology, AIIMS, Raipur spoke about Outbreak Investigation in Hospital setting with examples from her experience and Dr Aruna Poojary, Laboratory Director, Breach Candy Hospital Trust, Mumbai, who highlighted the challenges and opportunities of HCAI Surveillance in Resource-limited health -care settings. A Poster presentation competition was also conducted; At the end of the CME a GBM of CAMM was conducted with two main agenda- Membership drive for CAMM and planning of the events for this academic calendar.



UPCOMING EVENTS

PG Assembly 2024

PG Assembly was an initiative of IAMM – Delhi Chapter that was later adopted by National body of IAMM. It was conducted with grand success in 2022 after a break of two years due to covid pandemic. The course shall be for 2 and a half days. The sessions will be a mix of theory and hands-on experience. For the year 2024, IAMM, National body has chosen the following institutes to conduct the national PG assembly.

- North Zone: SGPGI, Lucknow
- West Zone: AFMC, Pune
- Central Zone: AIIMS, Bhopal
- South Zone: KMC, Manipal
- East Zone: AIIMS, Bhubneshwar

The registrations will open soon for all post graduate students. Final year MD Microbiology students will be given preference to participate in the program. A nominal registration fees of Rs. 1500 has been fixed. The registration will be done centrally through IAMM. BioMerieux continue to be the exclusive industry partner in this initiative. All are requested to visit IAMM website (<http://www.myiamm.in>) for any further updates.

The 2nd quarterly meet of IAMM Delhi Chapter will be held on 10th August 2024 at Maulana Azad Medical College, New Delhi.



CALL FOR NOMINATIONS OF IAMM AWARDS & PRIZES 2024 (Last date of receipt of all nominations July 31, 2024)

Dr SC Agarwal Oration 2025: This award is supported from the interest incurred from a fund donated by Dr SC Agarwal, to be given to a senior member of the association for his /her outstanding contribution to the field of Medical Microbiology. Nominations for the award, duly proposed and seconded with consent of the nominee along with the consent of the nominee as a soft copy of his/her biodata should reach the IAMM Secretary's office on or before 31st July 2024. The award carries a citation and a gold medal. The awardee is to deliver an oration at the National IAMM Conference to be held in 2025. Nominations must come as a soft copy to be sent to Secretary IAMM by the last date.

2. Dr. H. I. Jhala Memorial award 2025: This award is given to a senior member of the association above the age of 50 years, who has made significant contribution to the development of Medical microbiology in India. This award is supported from the interest from the fixed deposit donated by the organizers of the IAMM congress held at Sholapur in 1983. Nominations for the award, duly proposed and seconded with the consent of the nominee along with consent of the nominee as a soft copy of his/her biodata should reach the IAMM Secretary's office on or before 31st July 2024. The award carries a citation and a gold medal. The award will be conferred at the National IAMM Conference held in 2024.

Nominations must come as a soft copy to be sent to Secretary IAMM by the last date.

3. IAMM Endowment lecture award 2025: This award is supported by the annual interest obtained from the fixed deposit, donated by the organizers of the IAMM congress held at Hyderabad in 1985. This award is given to an eminent Medical Microbiologist, over the age of 50 years from India and abroad for their outstanding work in the field of Medical Microbiology, Bacteriology, Virology, Mycology, Parasitology/Immunology/ Epidemiology and Microbiological techniques. Nominations for the award, duly proposed and seconded with the consent of the nominee along with consent of the nominee as a soft copy of his/her biodata, including a write up on the contribution of the nominee to Medical Microbiology should reach the IAMM Secretary's office on or before 31st July 2024. The award carries a citation and a gold medal. The awardee is to deliver an oration at the National IAMM Conference held in 2024. Nominations must come as a soft copy to be sent to Secretary IAMM by the last date.

4. Dr KB Sharma Memorial Junior Best paper award 2024: Nominations are invited for the Best paper award competition to be held at National Conference of the IAMM at Lucknow in November 2023. This award is supported by

the annual interest obtained from the fixed deposit, donated by the Dr. Urmil Sharma W/o Dr. K.B. Sharma. The contestant should be a member of Iamm, less than 35 years of age as on Aug 31, 2023 (certificate showing the proof of age should be attached) and be the principle author of the paper. The same paper should not have received any other award or be published in any other award or be published in any journal and should be so certified, as a signed declaration by the contestant. The above mentioned declarations as a soft copy of the full paper complete with tables, figures, etc. (prepared according to the format of the IJMM) should reach the Iamm Secretary's office on or before 31st July 2024. The award carries a citation and a gold medal. The selected candidate will receive the citation and a gold medal at the valedictory function of the Iamm Conference Bhubaneswar in November 2024. Nominations must come as a soft copy to be sent to Secretary Iamm by the last date.

5. Prof AN Chakrabarthi memorial Prize for the best published paper in Mycobacteriology 2024 : Any member, who has published a paper in the field of Mycobacteriology during the preceding year i.e. 2023, in any National/ International journal will be eligible to submit paper for the award. The paper should not have received any other award and a declaration to that effect should be submitted while applying for the award. The above mentioned declarations and soft copies of the full paper should reach the Iamm Secretary's office on or before 31st July 2024. The award carries a citation and a gold medal. The awardee will receive the award at the valedictory function of the Iamm Conference in November 2024.

6. Prizes for the best papers during the Iamm Conference 2024 (total seven categories listed below): The following six prizes are given during the National Conference of the Iamm in Various categories:

1. NAWOPIA Dr. Pankajlaxmi V Venugopal Prize for the Best paper in Mycology.
 2. Dr. SR Sengupta- Dr. AM Saoji memorial prize for the best paper in Immunology.
 3. Dr. SS Kelkar Memorial prize for the best poster (any subject in Medical Microbiology).
 4. Iamm silver Jubilee Prize for Best Paper in Parasitology.
 5. Mumbai-Belgaum Prize for the best poster in Medical Mycobacteriology.
 6. Belgaum-Mumbai Prize for the best paper in Bacteriology
 7. I. D. Aggarwal-Broor Prize for the Best paper in Virology
- Nominations are invited for the above said prizes. Any Iamm member is eligible to contest for these awards. Abstracts for the award papers from interested members must be submitted to the Iamm Secretary's office in a soft copy and also to the Organising Secretary. These will be subjected to peer review and only selected abstracts will be allowed to be presented as a paper at the respective oral/ poster sessions. The best paper amongst those will be adjudged the best paper by the panel of judges. The authors of an abstract must express their interest in a particular category while submitting the abstract. All the awards will be presented at the valedictory function of the Iamm Conference MICROCON 2024 to be held in November 2024. The Top Ten papers received for

MICROCON 2024 will also be included for the Awards in the above mentioned subjects.

7. Iamm Mérieux Award 2024: Antimicrobial resistance (AMR) is a major public health issue worldwide. In order to provide an incentive for promising young investigators working in the field of AMR, Institut Merieux has decided to institute a special Mérieux Award in partnership with Iamm in announcing, selecting and giving the Award at Iamm annual conference. The value of the award is approximately Euro 10,000, paid in equivalent Indian Rupees.

Selection criteria for the Mérieux Award is: Investigators identified through Iamm and serving in a hospital or in a relevant research institution on a full time basis as infectious diseases clinician, clinical or molecular microbiologist or epidemiologist, with less than 10 years of either clinical practice experience or < 10 year of working experience in microbiology after their M.D / Ph.D. and who are involved and have made significant contribution in AMR research and/or patient management with a national impact. The applications received for the said award will be assessed by the jury and 2 or 3 suitable applications will be forwarded to the scientific board of the Institut Merieux with their recommendations for the selection of the laureate.

Institut Merieux will notify the association the name of the laureate, then the association will organize an award ceremony during its annual congress. In order to receive the award money, the institution (university, hospital...) hosting the laureate should engage an agreement with Institut Merieux. The award money will be transferred only to the hosting institution of the laureate, and the institution will hold responsibility for proper utilization of the fund for research by the laureate.

All interested applications must be submitted with an undertaking from the institute regarding acceptance of grant. All applications must reach the Iamm Secretary's Office in hard and soft copies both on or before 31st July 2024.





EQAS 2023 NORTH & NORTH EAST CENTER - NEW DELHI (UNDER THE AUSPICES OF IAMM) PERFORMANCE OF LABORATORIES

Tier-1: Microbiology EQAS

Analysis of QC Distribution: 32, 33, 34 (March 2023 – November 2023) Performance of Laboratories

IAMM EQAS NEW DELHI is accredited as NABL PT provider since October, 2018

Total no. of Participants in Microbiology EQAS: 760

QC No. 32 (March, 2023)	Description (Smear)	CONTENTS	Lab (%) Giving No. Correct Result
(1.1)	Stool Sample– Kinyoun stain (n=619)	Few acid fast Oocysts resembling <i>Cystoisospora</i> seen. Suggestive of <i>Cystoisospora</i> infection.	Correct-66.40% Partially Correct-31.34% Not Correct-2.26%
(1.2)	Pus Aspirate– Gram Stain (n=660)	Many PMN cells seen. Many gram positive budding yeast cells seen. Infection due to <i>Candida</i> species.	Correct-56.67% Partially Correct-43.03% Not Correct-0.15%
(1.3)	Pus Aspirate – Gram Stain (n=660)	Many PMN cells seen. Many GPC in pairs & clusters seen. Suggestive of <i>Staphylococcal</i> infection.	Correct-64.09% Partially Correct-35.76% Not Correct-0.00%
QC No. 33 (July, 2023)	Description (Smear)	CONTENTS	Lab (%) Giving No. Correct Result
(1.1)	Sputum sample – Gram Stain (n=680)	Few PMN cells & many squamous epithelial cells seen. Upper respiratory flora consisting of many GPC, GNC, GPB, GNB & Budding Yeast Cells with pseudohyphae seen. Poor quality specimen.	Correct-66.18% Partially Correct-28.09% Not Correct-5.73%
(1.2)	Pus Aspirate– Modified Kinyoun stain (n=649)	Few acid fast, slender, branching, filamentous bacteria seen. Brain abscess due to <i>Nocardia</i> spp.	Correct-91.99% Partially Correct-4.93% Not Correct-3.08%
(1.3)	Pus Aspirate – Gram Stain (n=680)	Many PMN cells seen. Many GNB seen. Infection caused by Gram Negative bacilli.	Correct-84.86% Partially Correct-14.85% Not Correct-0.29%
QC No. 34 (Nov, 2023)	Description (Smear)	CONTENTS	Lab (%) Giving No. Correct Result
(1.1)	Urine Sample – Gram Stain (n=687)	Many PMN cells and many GNB (>1/OIF) seen. UTI caused by Gram negative bacilli.	Correct-75.40% Partially Correct-24.31% Not Correct-0.29%
(1.2)	Pus Aspirate – Gram Stain (n=687)	Many PMN cells seen. Many Gram positive cocci in pairs resembling <i>Enterococcus</i> species in morphology seen. Peritonitis due to <i>Enterococcus</i> species.	Correct-79.91% Partially Correct-20.09% Not Correct-0.00%



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QC No - 32nd (MARCH-2023)

Q2: Culture Identification (n=653)

Various methods used by the participants for Identification:

Identification Method	2.1 <i>Shigella flexneri</i>	2.2 <i>Pseudomonas aeruginosa</i>	2.3 <i>Enterococcus faecium</i>
Total Response	641	644	643
Correct Response/Total Response (%)			
1- Manual Method	175/302 (57.95%)	265/280 (94.65%)	198/270 (73.33%)
2-Automated Method	217/339 (64.01%)	361/364 (99.18%)	360/373 (96.52%)
(i) VITEK-2	193/305 (63.28%)	310/313 (99.04%)	308/320 (96.25%)
(ii) Microscan	7/12 (58.33%)	15/15 (100%)	17/17 (100%)
(iii) BD Phoenix	15/20 (75%)	21/21 (100%)	21/21 (100%)
(iv) MALDITOF	-----	12/12 (100%)	12/12 (100%)
(v) DL-96	2/3 (66.67%)	3/3 (100%)	2/3 (66.67%)

Exercise 2.1 – (AST)

Total Response (n=641)	Automated Method (MIC)	Manual Method (Disc Diffusion)	Not attempted n (%)	Very Major Error n (%)	Major Error n (%)	Minor Error n (%)
(2.1) <i>Shigella flexneri</i> (n= 627)*	Correct Response/Total Response (%)	Correct Response/Total Response (%)				
Ampicillin (R)	161/173 (93.06%)	447/454 (98.46%)	9 (1.44%)	9 (1.44%)	-	1 (0.16%)
Azithromycin (S)	----	549/582 (94.33%)	28 (4.47%)	-	34 (5.42%)	3 (0.48%)
Ceftriaxone (R)	310/318 (97.48%)	292/309 (94.50%)	5 (0.80%)	15 (2.39%)	-	5 (0.80%)
Co- trimoxazole (S)	329/333 (98.80%)	290/294 (98.64%)	3 (0.48%)	-	-	5 (0.80%)
Meropenem (S)	325/331 (98.19%)	289/296 (97.64%)	5 (0.80%)	-	-	8 (1.28%)
*14 Participants identified the genus as well as species incorrectly so were not included.						

Exercise 2.2 – (AST)

Total Response (n=644)	Automated Method (MIC)	Manual Method (Disc Diffusion)	Not attempted n (%)	Very Major Error n (%)	Major Error n (%)	Minor Error n (%)
(2.2) <i>Pseudomonas aeruginosa</i> (n=640)*	Correct Response/Total Response (%)	Correct Response/Total Response (%)				
Amikacin (S)	This Antibiotic (Amikacin) was withdrawn from evaluation.					
Aztreonam (S)	214/238 (89.92%)	355/378 (93.91%)	6 (0.94%)	-	16 (2.5%)	25 (3.91%)
Ciprofloxacin (S)	352/356 (98.88%)	281/284 (98.94%)	-	-	3 (0.47%)	4 (0.63%)
Ceftazidime (S)	341/349 (97.71%)	267/291 (91.75%)	2 (0.31%)	-	25 (3.91%)	5 (0.78%)
Pipracillin/ Tazobactam (S)	346/357 (96.92%)	270/283 (95.41%)	3 (0.47%)	-	15 (2.34%)	6 (0.94%)
* 04 Participants identified the genus as well as species incorrectly.						

Exercise 2.3 – (AST)

Total Response (n= 643)	Automated Method (MIC)	Manual Method (Disc Diffusion)	Not attempted n (%)	Very Major Error n (%)	Major Error n (%)	Minor Error n (%)
(2.3) <i>Enterococcus faecium</i> (n= 633)*	Correct Response/Total Response (%)	Correct Response/Total Response (%)				
Benzylpenicillin/Ampicillin (R)	356/362 (98.34%)	270/271 (99.63%)	6 (0.95%)	1 (0.16%)	-	-
Nitrofurantoin (R)	356/361 (98.61%)	241/272 (88.60%)	2 (0.32%)	30 (4.74%)	-	4 (0.63%)
Ciprofloxacin(R)	351/353 (99.43%)	273/280 (97.5%)	1 (0.16%)	6 (0.95%)	-	2 (0.32%)
Vancomycin (R)	360/365 (98.63%)	256/268 (95.52%)	3 (0.47%)	12 (1.90%)	-	2 (0.32%)
Linezolid (S)	355/362 (98.07%)	267/271 (98.52%)	1 (0.16%)	-	5 (0.79%)	1 (0.16%)
* 10 Participants identified the genus and species incorrectly.						

QC No – 33rd (JULY-2023)**Q2: Culture Identification (n=653)****Various methods used by the participants for Identification:**

Identification Details	Method	2.1 <i>Escherichia coli</i>	2.2 <i>Streptococcus pyogenes</i>	2.3 <i>Acinetobacter baumannii</i>
Total Response		664	664	664
Correct Response/Total Response (%)				
1- Manual Method		286/292 (97.95%)	287/323 (88.85%)	263/283 (92.93%)
2-Automated Method		372/372 (100%)	332/341 (97.36%)	380/381 (99.74%)
(i) VITEK-2		324/324 (100%)	287/296 (96.96%)	327/328 (99.70%)
(ii) MICROSCAN		14/14 (100%)	10/10 (100%)	15/15 (100%)
(iii) BD PHOENIX		20/20 (100%)	20/20 (100%)	23/23 (100%)
(iv) MALDITOP		12/12 (100%)	12/12 (100%)	12/12 (100%)
(v) DL-96		2/2 (100%)	3/3 (100%)	3/3 (100%)

*Numbers small for % interpretation

Exercise 2.1 – (AST)

Total Response (n= 664)	Not attempted n (%)	Automated Method (MIC)	Manual Method (Disc Diffusion)	Minor Error n (%)	Major Error n (%)	Very Major Error n (%)
(2.1) <i>Escherichia coli</i> (n= 658)		Correct Response/Total Response (%)	Correct Response/Total Response (%)			
Amoxicillin/ Clavulanic Acid	3 (0.45%)	349/356 (98.03%)	245/299 (81.94%)	11 (1.67%)	50 (7.59%)	-
Ceftriaxone	1 (0.15%)	349/353 (98.87%)	300/304 (98.68%)	3 (0.45%)	-	5 (0.76%)
Ertapenem	13 (1.96%)	347/354 (98.02%)	284/291 (97.59%)	2 (0.30%)	12 (1.82%)	-
CoTrimoxazole	1 (0.15%)	354/362 (97.79%)	286/295 (96.95%)	-	-	17 (2.58%)
Nitrofurantoin	5 (0.76%)	238/238 (100%)	391/415 (94.22%)	13 (1.97%)	11 (1.67%)	-

* 6 Participants gave incorrect identification (genus and species) so the results were



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Exercise 2.2 – (AST)

Total Response (n-664)	Not attempted n (%)	Automated Method (MIC)	Manual Method (Disc Diffusion)	Minor Error n (%)	Major Error n (%)	Very Major Error n (%)
(2.2) <i>Streptococcus pyogenes</i> (n- 642)*		Correct Response/ Total Response (%)	Correct Response/ Total Response (%)			
Penicillin (S)	9 (1.40%)	242/250 (96.8%)	357/383 (93.21%)	1 (0.16%)	33 (5.14%)	–
Levofloxacin(S)	5 (0.78%)	246/253 (97.23%)	370/384 (96.35%)	14 (2.18%)	7 (1.09%)	–
Erythromycin (S)	4 (0.62%)	236/250 (94.4%)	375/388 (96.65%)	6 (0.94%)	21 (3.27%)	–
Clindamycin (S)	5 (0.78%)	241/248 (97.18%)	384/389 (98.71%)	5 (0.78%)	7 (1.09%)	–
* 22 Participants gave incorrect identification (genus and species) & so the results were not included in evaluation for AST.						

Exercise 2.3 – (AST)

Total Response (n= 664)	Not attempted n (%)	Automated Method (MIC)	Manual Method (Disc Diffusion)	Minor Error n (%)	Major Error n (%)	Very Major Error n (%)
(2.3) <i>Acinetobacter baumannii</i> (n – 659)*		Correct Response/ Total Response (%)	Correct Response/ Total Response (%)			
Pipracillin/ Tazobactam (R)	1 (0.15%)	367/369 (99.46%)	286/289 (98.96%)	1 (0.15%)	–	4 (0.61%)
Ceftazidime (R)	2 (0.30%)	352/352 (100%)	301/305 (98.69%)	–	–	4 (0.61%)
Meropenem (R)	2 (0.30%)	371/374 (99.20%)	278/283 (98.23%)	–	–	8 (1.21%)
Ciprofloxacin (R)	–	371/373 (99.46%)	283/286 (98.95%)	1 (0.15%)	–	4 (0.61%)
Co- Trimoxazole (R)	1 (0.15%)	372/372 (100%)	281/286 (98.25%)	–	–	5 (0.76%)
* 05 Participants gave incorrect identification (genus and species) so the results were not included in evaluation for AST.						

**QC No. - 34th (NOVEMBER-2023)****Q2: Culture Identification & Sensitivity (n=707)**

Various methods used by the participants for Identification:

Identification Details	Method	2.1 <i>Staphylococcus aureus</i>	2.2 <i>Proteus mirabilis</i>	2.3 <i>Burkholderia cenocepacia</i>
Total Response		667	667	667
Correct Response/ Total Response (%)				
1- Manual Method		281/284 (98.94%)	284/285 (99.64%)	228/261 (87.35%)
2-Automated Method		383/383 (100%)	381/382 (99.73%)	400/406 (98.52%)
(i) VITEK-2		334/334 (100%)	333/333 (100%)	344/348 (98.85%)
(ii) Microscan		14/14 (100%)	14/14 (100%)	14/14 (100%)
(iii) BD Phoenix		19/19 (100%)	18/19 (94.73%)	23/24 (95.83%)
(iv) MALDITOF		14/14 (100%)	14/14 (100%)	17/17 (100%)
(v) DL-96		2/2 (100%)	2/2 (100%)	2/3 (66.66%)

Exercise 2.1 – (AST)

Total Response (n=667)	Automated Method (MIC)	Manual Method (Disc Diffusion / E test/BMD)	Not attempted n (%)	Very Major Error n (%)	Major Error n (%)	Minor Error n (%)
(2.1) <i>Staphylococcus aureus</i> (n=664)*	Correct Response/Total Response (%)	Correct Response/Total Response (%)	-	-	-	-
Cefoxitin (S)	251/276 (90.94%)	350/383 (91.38%)	5 (0.75%)	-	57 (8.88%)	1 (0.15%)
Vancomycin (S)**	389/392 (99.23%)	146/147*** (99.32%)	24 (3.61%)	-	4 (0.60%)	-
Clindamycin (S)	375/378 (99.21%)	273/285 (95.79%)	1 (0.15%)	-	12 (1.81%)	3 (0.45%)
Tetracycline(S)	375/375 (100%)	285/285 (100%)	4 (0.60%)	-	-	-
Co- trimoxazole(S)	377/378 (99.74%)	281/285 (98.59%)	1 (0.15%)	-	3 (0.45%)	2 (0.30%)

* 3 Participants identified the genus as well as species incorrectly.

**248 participants participated in the AST by manual method, but 101 participants reported Vancomycin by Disc Diffusion which is not recommended as per CLSI guidelines and were excluded.

***147 Participants used Etest or BMD for reporting Vancomycin sensitivity.

Exercise 2.2 – (AST)

Total Response (n=667)	Automated Method (MIC)	Manual Method (Disc Diffusion / E test/BMD)	Not attempted n (%)	Very Major Error n (%)	Major Error n (%)	Minor Error n (%)
(2.2) <i>Proteus mirabilis</i> (n=665)*	Correct Response/ Total Response (%)	Correct Response/ Total Response (%)	-	-	-	-
Pipracillin/ Tazobactam (S)	376/376 (100%)	280/287 (97.56%)	2 (0.3%)	-	2 (0.30%)	5 (0.75%)



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Cefuroxime (S)	349/352 (99.15%)	296/308 (96.10%)	5 (0.75%)	-	12 (1.80%)	3 (0.45%)
Ertapenem (S)	354/361 (98.06%)	272/292 (93.15%)	12 (1.81%)	-	12 (1.80%)	15 (2.25%)
Amikacin (S)	373/376 (99.20%)	274/288 (95.14%)	1 (0.15%)	-	7 (1.05%)	10 (1.50%)
Co- trimoxazole (R)	371/375 (98.93%)	273/289 (94.46%)	1 (0.15%)	19 (2.86%)	-	1 (0.15%)
* 2 Participants identified the genus as well as species incorrectly.						

Exercise 2.3 – (AST)

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Total Response (n=667)	Automated Method (MIC)	Manual Method (Disc Diffusion /E test/BMD)	Not attempted n (%)	Very Major Error n (%)	Major Error n (%)	Minor Error n (%)
(2.3) <i>Burkholderia cenocepacia</i> (n=628)*	Correct Response/ Total Response (%)	Correct Response/ Total Response (%)	-	-	-	-
Ceftazidime (S)	360/367 (98.09%)	222/261 (85.05%)	-	-	42 (6.68%)	4 (0.63%)
Meropenem (S)	360/364 (98.90%)	261/263 (99.23%)	1 (0.15%)	-	5 (0.79%)	1 (0.15%)
Co- trimoxazole(S)	348/369 (94.30%)	250/259 (96.52%)	-	-	29 (4.61%)	1 (0.15%)
Levofloxacin(R)**	368/375 (98.13%)	40/50 *** (80%)	44 (7.00%)	13 (2.07%)	-	4 (0.63%)

* 39 Participants identified the genus and species incorrectly.

**159 Participants reported Levofloxacin by Disc Diffusion which is not an acceptable method as per CLSI guideline

***50 Participants used Etest or BMD for reporting Levofloxacin Resistant.

QC No. 32 (March, 2023)	Description Serology & BBV	Total Responses	Lab (%) Giving No. Correct Re
(3.1.1)	CRP	Positive	Correct 98.87% Not Correct 1.13%
(3.1.2)	Dengue (IgM)	Negative	Correct 99.00% Not Correct 1.00%
(3.2.1)	HBsAg HCV HIV	NEGATIVE POSITIVE NEGATIVE	Correct 99.24% Not Correct 0.76%
(3.2.2)	HBsAg HCV HIV	NEGATIVE NEGATIVE NEGATIVE	Correct 99.8% Not Correct 0.2%
(3.2.3)	HBsAg HCV HIV	POSITIVE NEGATIVE NEGATIVE	Correct 99.39% Not Correct 0.61%
(3.2.4)	HBsAg HCV HIV	NEGATIVE NEGATIVE POSITIVE	Correct 99.44% Not Correct 0.56%
QC No. 33 (July, 2023)	Description Serology & BBV	Total Responses	Lab (%) Giving No. Correct Re
(3.1.1)	CMV IgG	Positive	Correct 92.79% Not Correct 7.21%
(3.1.2)	ASO	Negative	Correct 95.26% Not Correct 4.74%



(3.2.1)	HBsAg HCV HIV	POSITIVE NEGATIVE NEGATIVE	Correct-99.48% Not Correct 0.52%
(3.2.2)	HBsAg HCV HIV	NEGATIVE POSITIVE NEGATIVE	Correct 99.29% Not Correct 0.71%
(3.2.3)	HBsAg HCV HIV	NEGATIVE POSITIVE NEGATIVE	Correct 99.15% Not Correct 0.85%
(3.2.4)	HBsAg HCV HIV	POSITIVE NEGATIVE NEGATIVE	Correct 99.57% Not Correct 0.43%
QC No.34 (November, 2023)	Description (Serology&BBV)	CONTENTS	Lab (%) Giving No. Correct Result
(3.1.1)	Anti HBe	POSITIVE	Correct 62.37% Not Correct 37.63%
(3.1.2)	RA Factor	NEGATIVE	Correct 99.01% Not Correct 0.99%
(3.2.1)	HBsAg HCV HIV	NEGATIVE NEGATIVE NEGATIVE	Correct-99.05% Not Correct 0.95%
(3.2.2)	HBsAg HCV HIV	NEGATIVE NEGATIVE NEGATIVE	Correct 99.57% Not Correct 0.43%
(3.2.3)	HBsAg HCV HIV	POSITIVE NEGATIVE NEGATIVE	Correct 99.28% Not Correct 0.72%
(3.2.4)	HBsAg HCV HIV	NEGATIVE NEGATIVE POSITIVE	Correct 99.19% Not Correct 0.81%

Tier-2 Molecular Microbiology EQAS

Analysis of QC Distribution: 1st and 2nd QC

We are delighted to announce that the biannual Molecular Microbiology EQAS program started from the year 2023 has successfully completed two rounds, setting new benchmarks in Molecular Microbiology excellence. It entails five molecular parameters:

- ✓ Quantitative CMV
- ✓ Quantitative HBV
- ✓ Quantitative HCV
- ✓ Quantitative HIV-1
- ✓ Qualitative MTB complex

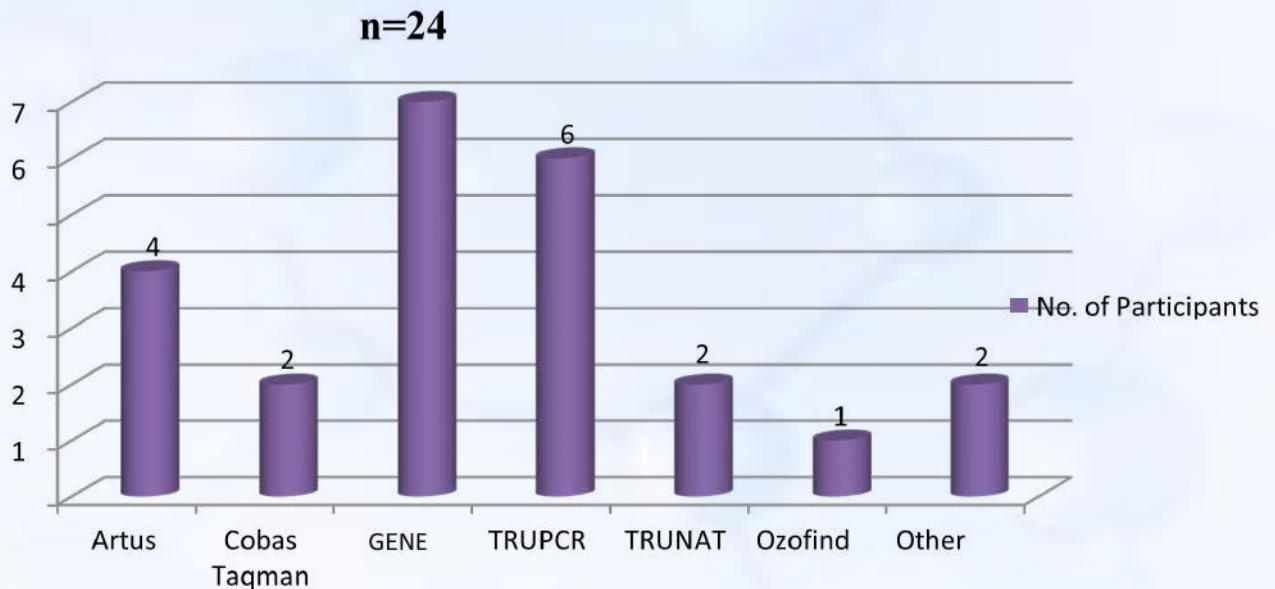
We are also pleased to announce a significant increase in participation for the Molecular Microbiology EQAS. We started with 36 participants in June 2023 for the 1st QC and our participant count has more than doubled, reaching 85 by May 2024.

QC No. - 1 (June-2023)

HCV Quantitative

Total Participants in HCV Quantitative (n= 24)

Participants Score Indices (n=24)			
HCV Quantitative	Score (%)	Specimen(1.1) (No. of Participants)	Specimen(1.2) (No. of Participants)
Within 0.5 log copies/mL	2 (100%)	12	12
Within 0.5 - 1 log copies/mL	1 (50%)	8	5
Above 1 log copies/mL	0 (0%)	4	7

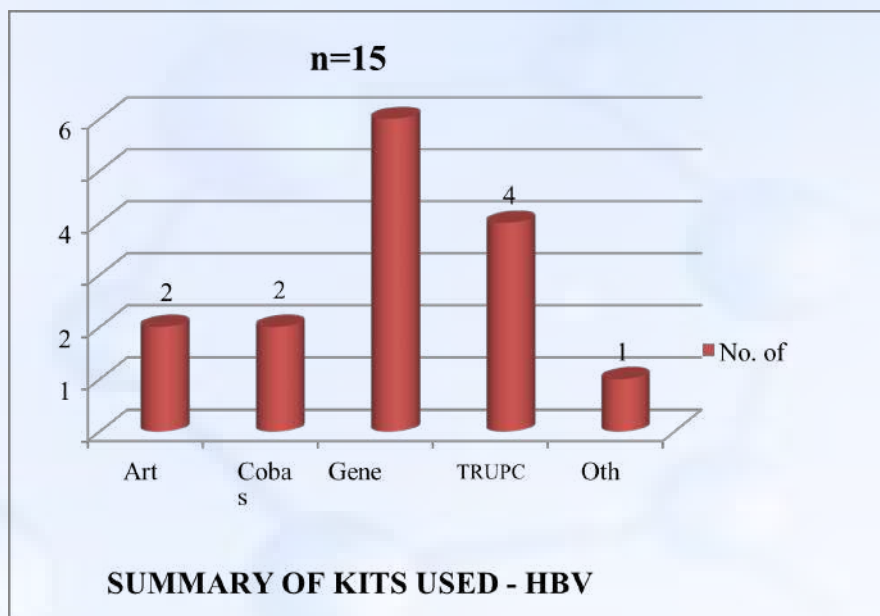


Summary of Kits Used- HCV Quantitative

HBV Quantitative

Total Participants in HBV Quantitative (n= 15)

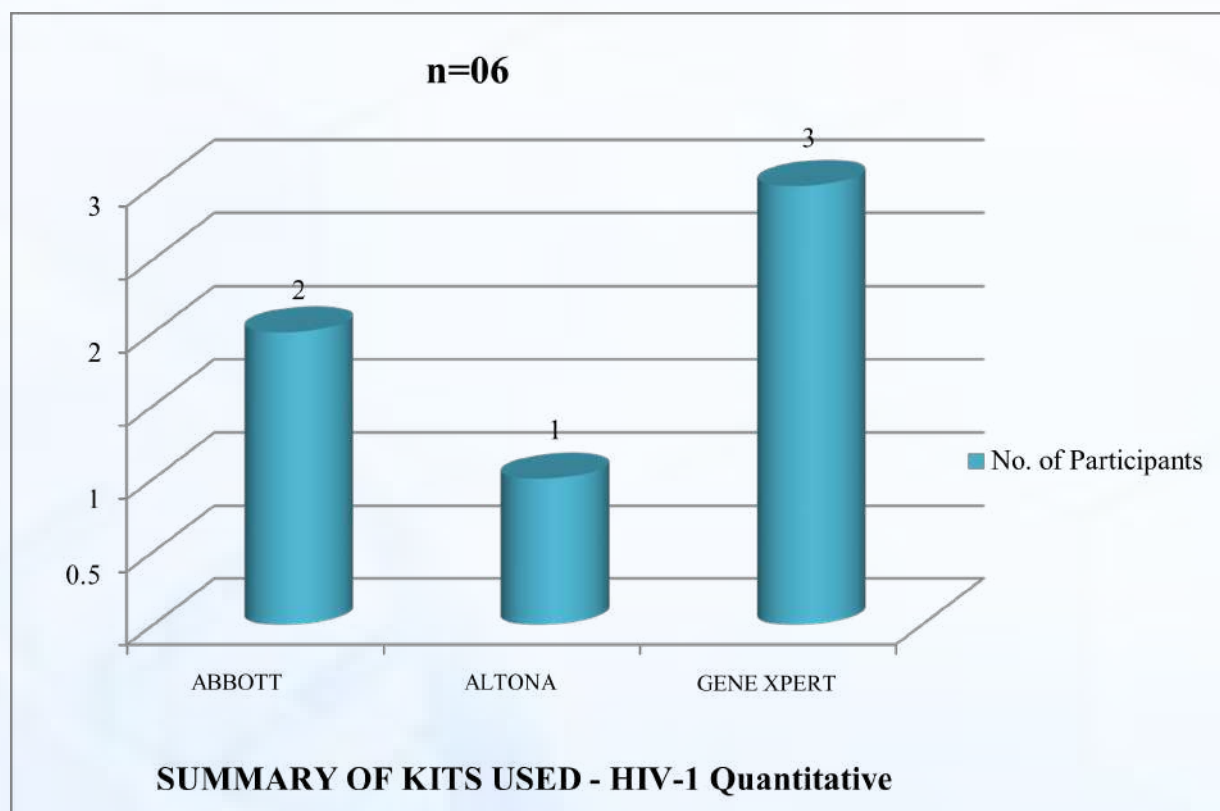
ParticipantsScore Indices (n=15)			
HBV Quantitative	Score (%)	Specimen(2.1) (No. of Participants)	Specimen(2.2) (No. of Participants)
Within0.5 log copies/mL	2 (100%)	10	7
Within0.5 - 1 log copies/mL	1 (50%)	2	1
Above1 log copies/mL	0 (0%)	3	7



HIV-1 RNA Quantitative

Total Participants in HIV Quantitative (n= 06)

ParticipantScoreIndices (n=06)			
HIV-1 RNAQuantitative	Score(%)	Specimen(3.1) (No.ofParticipants)	Specimen(3.2) (No.ofParticipants)
Within0.5logcopies/mL	2 (100%)	6	6
Within0.5 - 1 log copies/mL	1 (50%)	-	-
Above1 logcopies/mL	0 (0%)	-	-

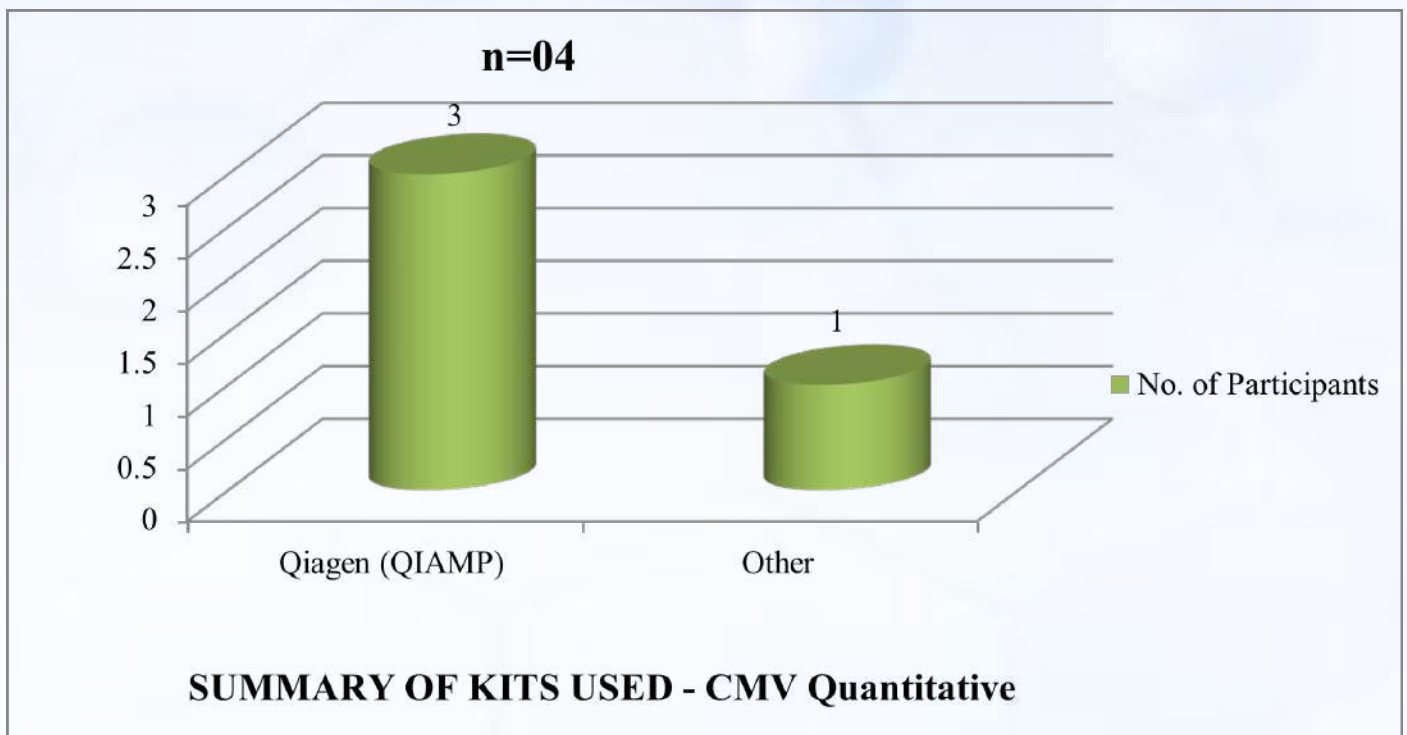


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CMV Quantitative

Total Participants in CMV Quantitative (n= 04)

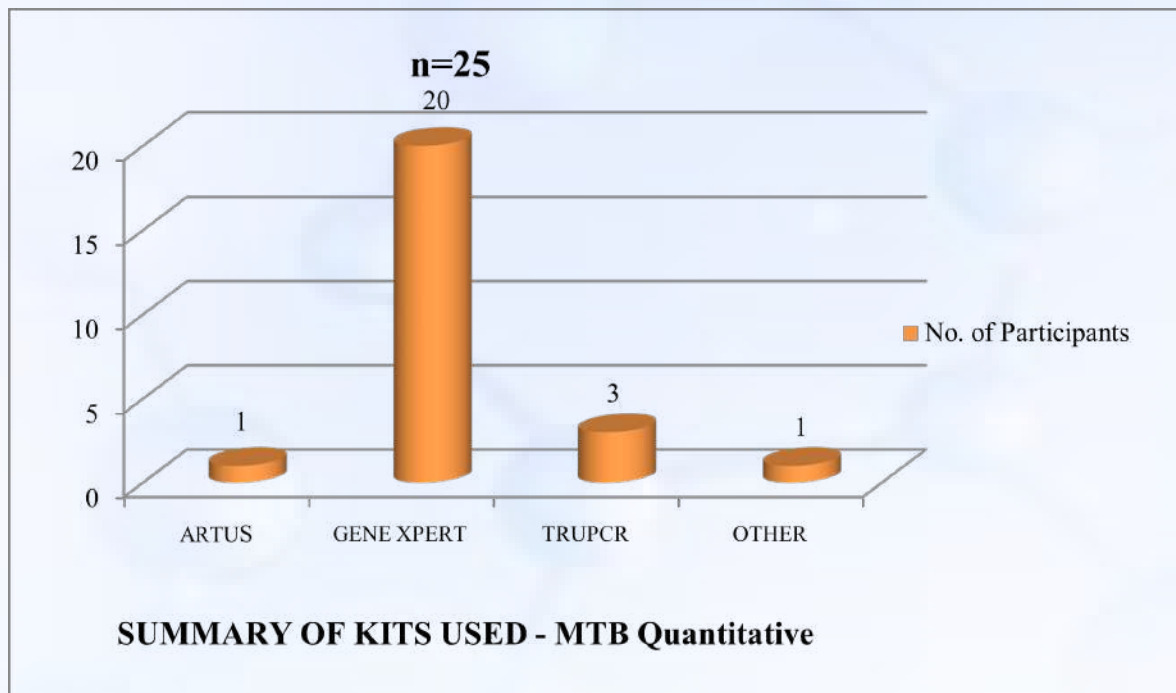
ParticipantScoreIndices (n=04)			
CMVQuantitative	Score(%)	Specimer(4.1) (No.ofParticipants)	Specimer(4.2) (No.ofParticipants)
Within0.5logcopies/mL	2 (100%)	4	3
Within0.5 - 1 log copies/mL	1 (50%)	-	0
Above1 logcopies/mL	0 (0%)	-	1



MTB Qualitative

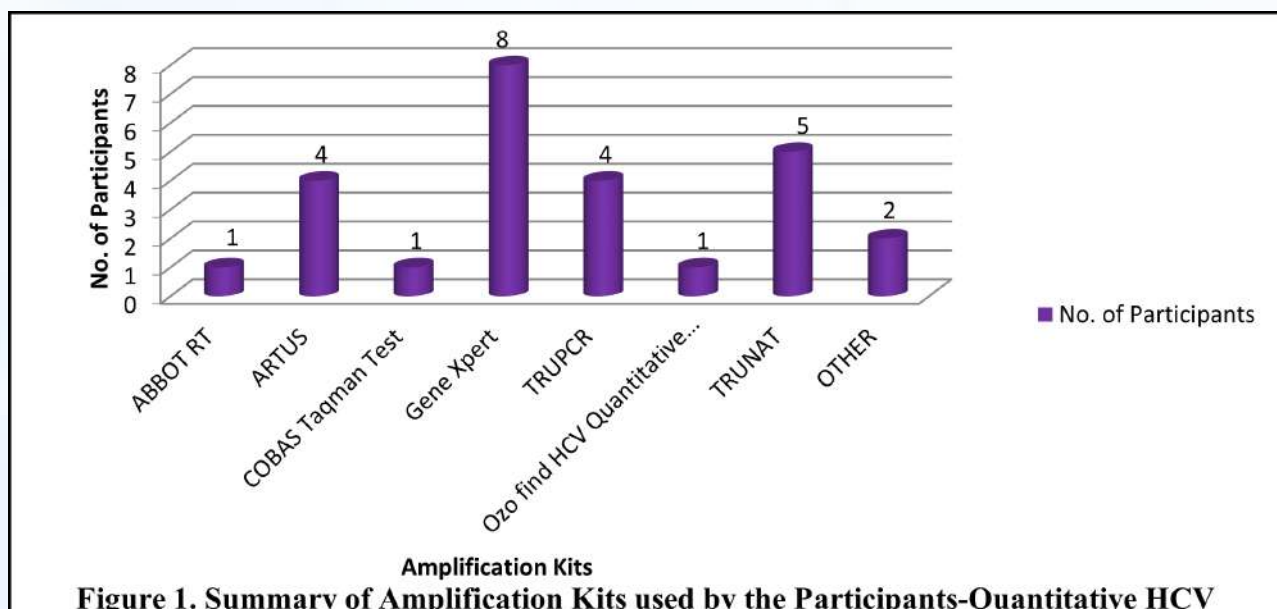
Total Participants in CMV Quantitative (n= 25)

ParticipantScoreIndices (n=25)			
QualitativMTB Complex	Score(%)	Specimer(5.1) (No.ofParticipants)	Specimer(5.2) (No.ofParticipants)
Correct	2 (100%)	25	18
NotCorrect	0 (0%)	-	7

QC No – 2nd (December-2023)HCV QuantitativeTotal Participants in HCV Quantitative (n = 26)

Participants Score Indices (n = 26)			
HCV Quantitative	Score and Percentage (%)	Specimen (1.1)	Specimen (1.2)
Within 0.5 log copies/mL	2 (100%)	13	13
Within 0.5 - 1 log copies/mL	1 (50%)	7	9
Above 1 log copies/mL*	0 (0%)	6	4

TRUPCR-1, TRUNAT-2, Gene Expert-1, Artus-2



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HBV Quantitative

Total Participants in HBV Quantitative (n = 18)

Participants Score Indices (n = 18)			
HBV Quantitative	Score and Percentage (%)	Specimen (2.1)	Specimen (2.2)
Within 0.5 log copies/mL	2 (100%)	17	16
Within 0.5 - 1 log copies/mL	1 (50%)	0	2
Above 1 log copies/mL*	0 (0%)	1	0

Used: Altona-1

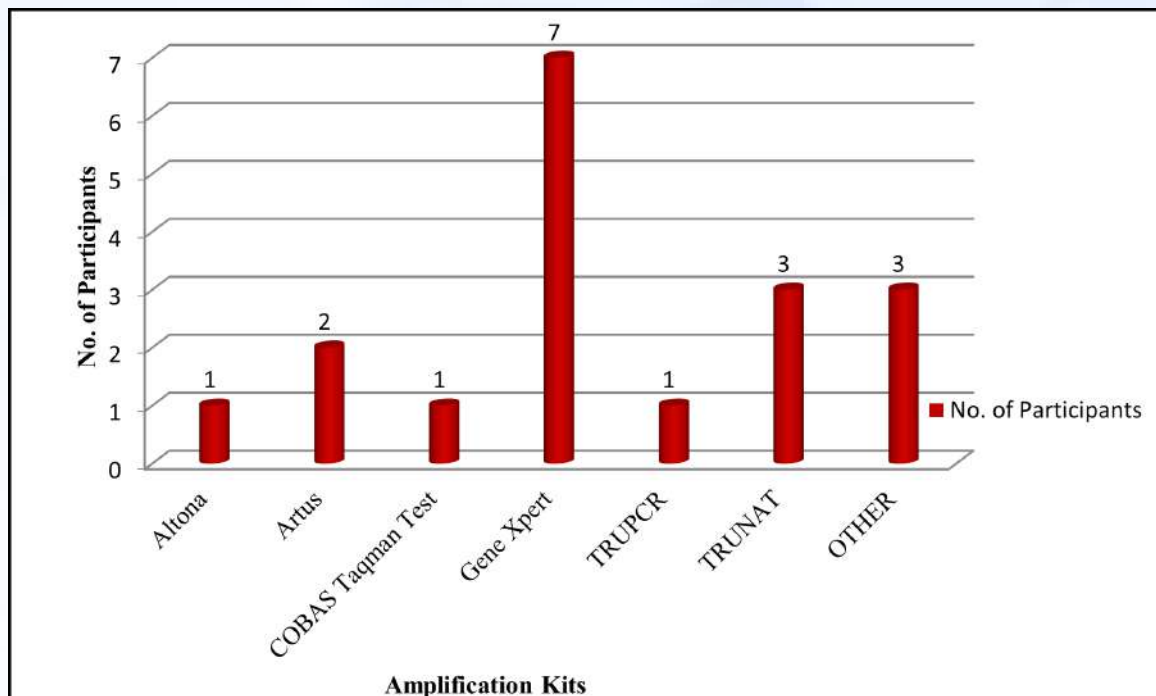
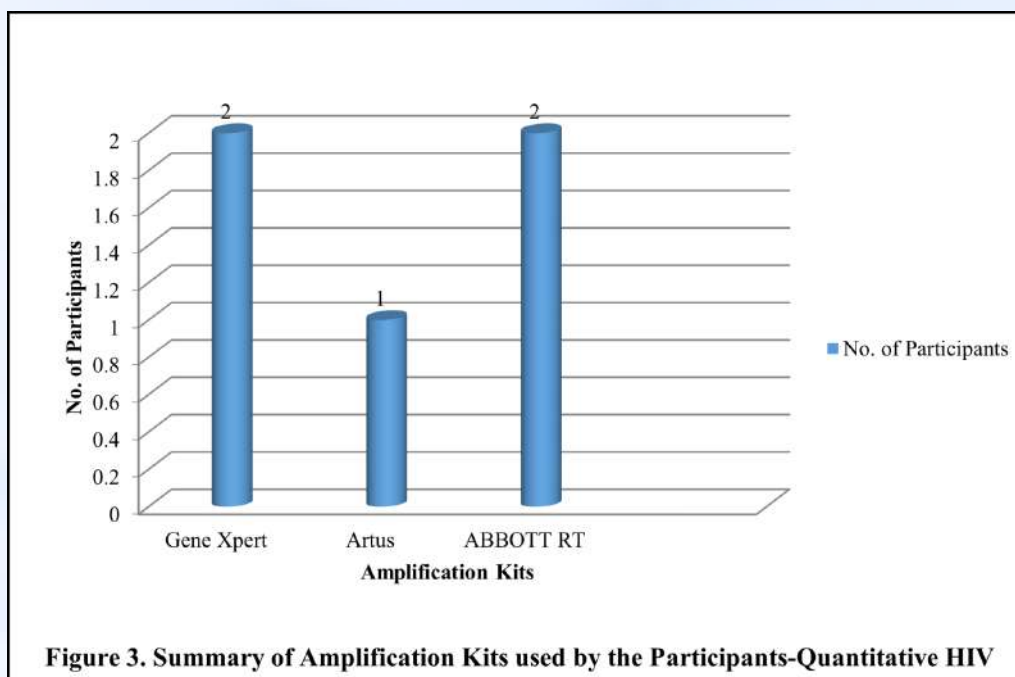


Figure 2. Summary of Amplification Kits used by the Participants-Quantitative HBV

HIV-1 RNA Quantitative

Total Participants in HIV Quantitative (n = 05)

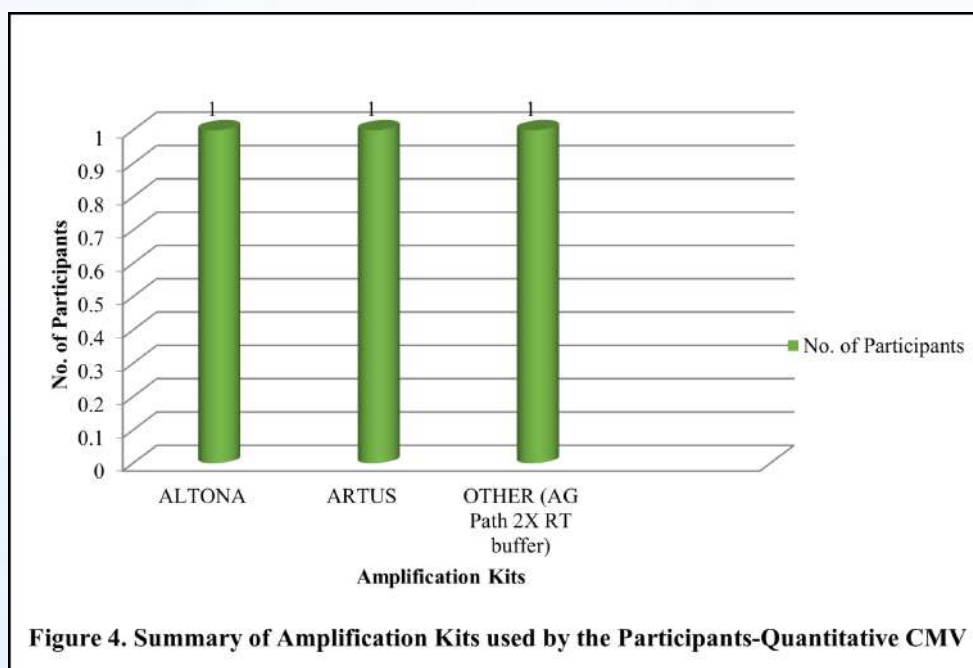
Participants Score Indices (n = 05)			
HIV-1 RNA Quantitative	Score and Percentage (%)	Specimen (3.1)	Specimen (3.2)
Within 0.5 log copies/mL	2 (100%)	5	5
Within 0.5 - 1 log copies/mL	1 (50%)	-	-
Above 1 log copies/mL	0 (0%)	-	-



CMV Quantitative

Total Participants in CMV Quantitative (n= 03)

Participants Score Indices (n=03)			
CMV Quantitative	Score and Percentage (%)	Specimen (4.1)	Specimen (4.2)
Within 0.5 log copies/mL	2 (100%)	3	3
Within 0.5 - 1 log copies/mL	1 (50%)	-	-
Above 1 log copies/mL	0 (0%)	-	-

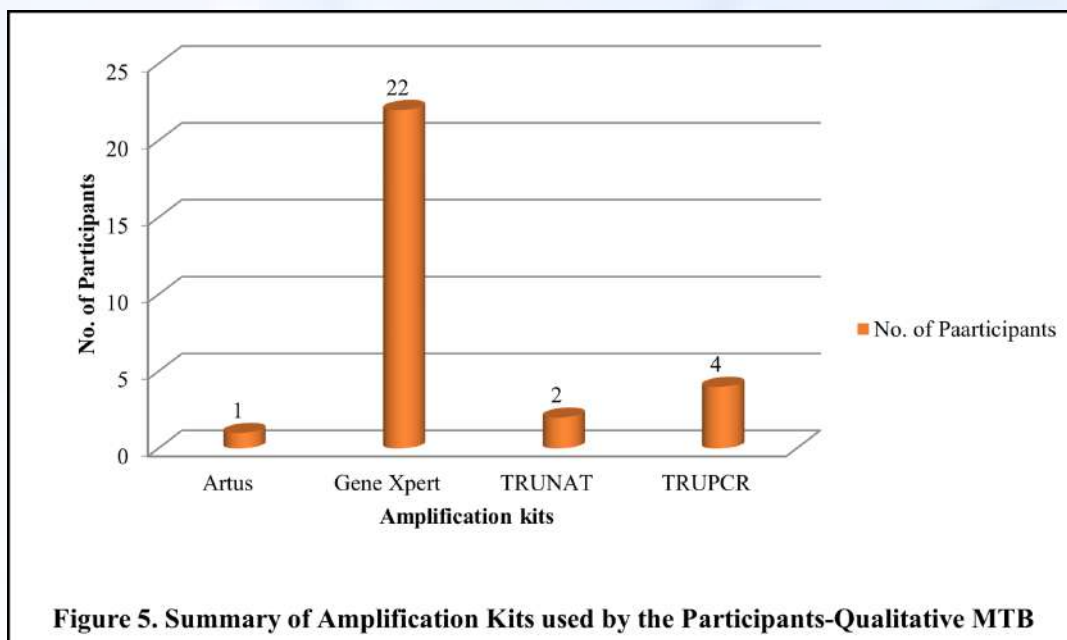


MTB Qualitative

Total Participants in MTB Qualitative (n = 29)

Participants Score Indices (n = 29)			
Qualitative MTB Complex	Score and Percentage (%)	Specimen (5.1)	Specimen (5.2)
Correct	2 (100%)	28	29
Not Correct*	0 (0%)	1	0

*Kits Used: Gene Xpert-1



Concluding Remarks and Future Objectives

Enhancing Services in Microbiology and Expanding into Molecular EQAS

IAMM EQAS New Delhi commenced its operations in 2014 and currently serves more than 750 microbiology laboratories. With the introduction of second tier of IAMM EQAS, namely Molecular Microbiology EQAS in 2023, we have expanded our services to include molecular diagnostics. **Our aim remains to enhance our offerings in microbiology while simultaneously broadening our reach in molecular diagnostics.** Here are some potential future plans for molecular EQAS:

- **Achieving NABL Accreditation:** Our focus is on attaining NABL accreditation, demonstrating our commitment to quality and excellence in laboratory practices.
- **Scaling Up Participation:** Through targeted outreach and enhanced support, we aim to expand the network of participating laboratories, fostering a diverse community dedicated to excellence in diagnostics.
- **Continuous evaluation and feedback:** Regularly evaluate the effectiveness of molecular EQAS programs through participant surveys, performance metrics, and use feedback to drive continuous improvement and ensure relevance to evolving diagnostic practices and challenges

By adhering to stringent standards and continuous improvement processes, we aim to establish ourselves as a benchmark for reliability and proficiency in diagnostic services.



ELECTIONS TO THE EXECUTIVE COUNCIL OF IAMM 2024

No. of Vacancies to the Executive Council- Two (2)

Details of Candidates for Election to IAMM Executive Council is placed below. Please note that canvassing of any kind will initiate disqualification of candidature.

<p>Dr Dr. Bansidhar Tarai, LM-2587</p> 	<p>Education: MD Microbiology PGIMER, Chandigarh Experience: 16 years Current Affiliation: Associate Director –Microbiology, Molecular Diagnostics, and Infection Control with Co-chairman – Central Infection Control Committee, Max Healthcare Publications: 42, Citations – 1250, Guest lectures: 50 Honors & Distinctions:</p> <ul style="list-style-type: none"> • Max healthcare “Real Hero “appreciation certificate for Covid Pandemic in 2021 • FICCI Excellence Awards 2020 for Covid 19 Testing • Max healthcare Susruta Award 2018 towards academic & publications • Certificate appreciation for project in reduction in HAI 2018 • 6th International Patient Safety Congress award on Patient Safety in 2016 • ABP news award on patient safety in 2016. • Healing hands award 2015: towards clinical excellence in Max Healthcare • Certificate of appreciation in recognition of outstanding contribution to the successful JCI accreditation of Max Super specialty hospital, Saket 2017 <p>Technical NABL Assessor from 2011 & Lead Assessor from 2017 in NABL-QCI Govt. of India, Assessor for NABH entry level, NABH-QCI Govt. of India from 2018.</p>
<p>Dr Kairavi J Desai LM-1397</p> 	<p>Education: MD Microbiology (1998), M P Shah Medical College, Jamnagar, Gujarat. Experience: 27 years. Current Affiliation: Professor & Head, Department of Microbiology, Govt Medical College, Bhavnagar, Gujarat. Honors & Distinctions:</p> <ul style="list-style-type: none"> • Received “Bhavnagar Gaurav award” received 08/03/2018 on women's day • Received Four National Awards for Membership drive, Best Social Activities, best Women Doctors Wing Activities during president ship of IMA Bhavnagar. • Received IMA Presidential Appreciation National Award at NETCON 2021 Patna, & NETCON 2022 Prayagraj as appreciation of work as west zone coordinator during PAN INDIA online singing competition conducted by IMA National Cultural Committee 21-22. • Master of ceremony for AANANDOTSAV 2022 organized on 12th November 2022 at IMA Headquarter, New Delhi. • Received Corona Warrior Award by Collector & Commissioner Bhavnagar. • Received 2 awards from IMA Gujarat State branch for best social activities and Membership drive during IMA Presidentship. • Recipient of Best Project Chairperson award, west Zone Inner wheel club for Khadi Fashion Show”
<p>Dr V S Randhawa LM: 489/1993</p> 	<p>Education: MBBS & MD Microbiology, MAMC, New Delhi, Experience: 35 years Current Affiliation: Director Professor, Department of Microbiology, Lady Hardinge Medical College, New Delhi Honors & Distinctions:</p> <ul style="list-style-type: none"> • Publications: 42; citations:666; h-index:15 Author: 3 books, Guest lectures: 60 • Subject expert ICMR,UPSC,NBE, Faculty of Medicine, Kuwait and BPKHIS, Dharan • PI (ICMR project)–Study of Genotypic diversity of S. Typhi by introduction of PFGE • Member PG courses committee, Assessor of NMC • Appraiser for NBE, Technical assessor with NABL & NAAC • Rashtriya Gaurav award-2016 • WHO fellowship in Biotechnology (2002-3) & Outbreak investigation and epidemic preparedness (2011) • IMSA fellowship - 2009 • Dr GB Malik prize in allergy and Immunology-2005 • Country focused HIV/AIDS plan at Osaka University-1998 <p>Gold medal for best thesis-Delhi University-1990</p>



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IAMM Executive Council Elections 2024 BALLOT PAPER (Last date of receipt of all votes is July 15, 2024)

1. Only Founder/ Life/ Annual Members are eligible to vote.
2. Please indicate “√” mark within the box against the name of a maximum of two candidates only. The vote will be considered invalid if more than two (2) names are marked on the ballot paper.
3. The vote will be considered invalid if Membership No., Name and signature is not placed at the appropriate space provided.
4. Kindly direct your envelopes marked as “Ballot Paper IAMM 2024” to the Secretary IAMM at the following address:

Dr. Sonal Saxena
Secretary, IAMM &
Director Professor & Head , Dept. of Microbiology,
Room no 19, Pathology Block
Maulana Azad Medical College, New Delhi 110002

5. The last date of receipt of ballot papers is July 15, 2024.
6. Faxed copies or those sent by E-mail as attachments **will not be accepted**.
7. The Ballot paper must be sent individually, more than one Ballot paper in a single envelope will render votes invalid.
8. Please note that canvassing of any kind by will initiate disqualification of candidature

The names of the Candidates are as follows:

S. No.	Name of the candidate	Mark [√] any two
1.	Dr Bansidhar Tarai	<input type="checkbox"/>
2.	Dr V S Randhawa	<input type="checkbox"/>
3.	Dr Kairavi J Desai	<input type="checkbox"/>

IAMM Membership No:FM.....LM.....AM..... (Tick as applicable)

Name:

Signature:

Published by
Dr. Sonal Saxena
Secretary IAMM

From,
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Secretary, IAMM,
Director Professor & HOD Maulana Azad Medical College
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BOOK-POST

To,
Dr. _____

