

Prepared by

Mdm Chuo Peck Kam
MACB Secretary

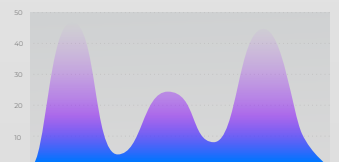
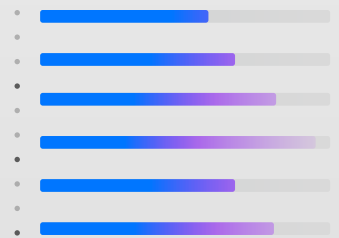
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MACB ANNUAL REPORT





MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS

(Persatuan Ahli Biokimia Klinikal Malaysia)

No 17-07, Tingkat 17, Menara ArinaUniti,

No 97, Jalan Raja Muda Abd Aziz, Kampong Baru, 50300 Kuala Lumpur

Tel: 03-2202 7353 E-mail: macb_secretary@yahoo.com

Date : 31th OCT 2023

Ref : MACB.CONF.23(1)

Dear Members,

Notification of 33rd Annual General Meeting and Agenda

Notice is hereby given that the **33rd Annual General Meeting (AGM)** of the Malaysian Association of Clinical Biochemists (MACB) will be held physically at **TRIUNE 10 Hall, BO1-A-09-1, Menara 2, KL Eco City, 3 Jalan Bangsar, Kuala Lumpur 59200 KL** on the **25th Nov 2023 at 11.00 am**.

2.0 AGENDA

1. Opening and President's address.
2. Confirmation of the minute of the 32nd AGM held virtually via Microsoft Team on the 24th Sept 2022.
3. Adoption of the Annual Report for the year 2022/2023 by the MACB Secretary.
4. Adoption of the Audited Accounts for the year ending 31st December 2022 by MACB Treasurer.
5. Appointment of the auditors for the current financial year (2023)
6. Proposal for resolution / amendments to Constitution.
7. Any other matters

Thank you and see you soon.

Thank You

Yours Sincerely

CHUO PECK HAM

Secretary

MACB Council 2022/2024



MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS

(Persatuan Ahli Biokimia Klinikal Malaysia)

Division of Biochemistry, Institute for Medical Research

Jalan Pahang, 50588 Kuala Lumpur, Malaysia.

Tel : (GL) 603 - 2698 6003 ext. 395 (DL) 603 - 4040 2395 Fax : 603 - 2693 8210

Minutes of the 32nd Annual General Meeting (AGM) of Malaysian Association of Clinical Biochemists (MACB) held virtually on the 24th September 2022 via Microsoft Team.

PRESENT:

- 1 FIRDAUS AZIZ
- 2 SHARIFAH KHAIRUL ATIKAH
- 3 NABIHAH NORDIN
- 4 DR MOHD JOKHA YAHYA
- 5 NOOR ALICEZAH MOHD KASIM
- 6 GOH MUN HON
- 7 RUSLI BIN IBRAHIM
- 8 BEH WEI PING
- 9 ROZIELA ABU BAKAR
- 10 DR PAVAI STHANESHWAR
- 11 AZUAN MUHAFIZ BIN ABDUL KARIM
- 12 VANI A/P MUNUSAMY
- 13 CHUO PECK HAM
- 14 MUNIRAH MD MANSOR
- 15 NOOR HIDAYAH KUSHAIRI
- 16 NOOR HIDAYAT HUSSAIN
- 17 JOAN YEOH
- 18 DR NORLIDA HARUN
- 19 NOORNATISHA SALLEH
- 20 LAU KIM BEE
- 21 CHEW YEE YEAN
- 22 LESLIE CHARLES LAI CHIN LOY
- 23 TUNKU MARINAH
- 24 ARLIZAN BAIZURA ARIFFIN
- 25 CHEW LI PING
- 26 ROSMANI ISMAIL
- 27 DR. RAJA ELINA BINTI RAJA AZIDDIN
- 28 ROHAIYU BINTI ISMAIL
- 29 YUSNIZA MAMAT
- 30 CHAN RU SIN
- 31 SIVASAGKARI SUPREMANIAM
- 32 WENNA NALLANCE LIM
- 33 NURULAMIN BIN ABU BAKAR
- 34 LIM KEE KEE
- 35 NOORAZRIN
- 36 LINA WATI BINTI DURANI
- 37 WONG SIEW SIEW
- 38 KAMISAH KARIM
- 39 AINUL LIZA
- 40 CHEN BEE CHIN

1.0 Opening of Meeting and President’s Address

The Chairman, Y.M Raja Dr Elina binti Raja Aziddin, President of MACB, called the meeting to order at 11.05 am as the requisite quorum was present. The Chairman extended her warm welcome to all members present and thanked them for attending the meeting virtually. She went on to remind members on their membership subscription and briefly described the various benefits of active members. The Chairman also gave a short presentation on the current and future plans of the MACB.

2.0 Adoption and Confirmation of the 31ST AGM Minutes

The minutes of the 31ST MACB AGM, which was held virtually on the Microsoft Team platform on 26TH October 2021, were presented and adopted.

Proposer : Mdm Lau Kim Bee
Seconder: Dr Pavai Sthaneshwar

3.0 Adoption of the Annual Report 2021/2022

The annual report was presented by the Secretary and the Chairman of each subcommittee. The Annual Report was adopted.

Proposer : Dr Nurulamin bin Abu Bakar
Seconder: Dr Munirah Md Mansor

4.0 Adoption of Audited Accounts for the Year Ending 31st December 2021

The audited account for 2021 was presented by Treasurer. The Chairman then invited members to comment or ask for any clarification on the annual accounts of the association. The Chairman put the motion to adopt the account. The account was adopted unanimously.

Proposer : Mr Firdaus Aziz
Seconder : Ms Vani Munusamy

5.0 Election of Council Members for Year 2022/2024 Session

The MACB Council was successfully re-elected for the 2022–2024 term. One of the MACB Council Member, Dr Badrul Amini is not standing for the upcoming election. All nominations were submitted to MACB by 31st August 2022.

The following outgoing Council Members are uncontested.

President	Y.M. Raja Dr. Elina binti Raja Aziddin
Vice-President	Y.M. Tunku Datin Marinah Ashraf binti Tunku Abdullah
Secretary	Chuo Peck Ham
Assistant Secretary	Sivasangkari a/p Supremaniam
Treasurer	Chen Bee Chin

Five candidates contested for the four (4) council member posts. Voting was conducted by MS Team at the 32nd Annual General Meeting (AGM) of the Malaysian Association of Clinical Biochemists (MACB). All members who attended the meeting were invited to cast their votes using the e-voting facility provided. The candidates in the contest were as follows:

1. Chew Yee Yean
2. Vani a/p Munusamy
3. Roziela binti Abu Bakar
4. Dr Nurulamin Abu Bakar
5. Dr Norlida Harun

The new MACB Council was elected via e-Voting and announced on the 32nd MACB Annual General Meeting (AGM) which was held virtually on 24th Sept 2022. The new Council is as follows:

President	Y.M. Raja Dr. Elina binti Raja Aziddin
Vice President	Y.M. Tunku Datin Marinah Ashraf binti Tunku Abdullah
Secretary	Chuo Peck Ham
Assistant Secretary	Sivasangkari a/p Supremaniam
Treasurer	Chen Bee Chin
Council Member	Vani a/p Munusamy
	Roziela binti Abu Bakar
	Chew Yee Yean
	Dr Nurulamin bin Abu Bakar

6.0 Appointment of Auditors for the Current Financial Year 2022

The meeting appointed the following two (2) internal auditors for the current financial year:

1. Dr Pavai Sthaneshwar (University Malaya of Medical Centre)
2. Dr Munirah Md Mansor (Hospital Canselor Tuanku Muhriz UKM)

The Chairman then took up the consideration regarding the re-appointment of a registered auditor, SYS Koh and Co as statutory auditor of the association from the conclusion of this AGM.

7.0 Resolution of Constitution Amendments

The Vice President, Tunku Marinah raised some resolution for amendments to clauses 1.2, 4.2, 4.3, 6.3, 9.2, 9.4 and 10.1 and additions to clauses 6.12 and 10.3 and communicated these points to all members. Here are some of the new points to take note

- a) Amendment to the MACB office address
- b) Annual subscription shall be payable by 15th of Feb of each calendar year
- c) After 15th of Feb, member shall be denied their membership privilege
- d) AGM is allowed to be held virtually
- e) All notices, agenda, minutes, reports, audited accounts, nominations and balloting may be sent or received by mail or electronic media
- f) Increment of petty cash to RM1500. Any excess of this amount shall deposited in a

- bank approved by the Council within seven days
- g) Expenditure exceeding RM5,000 at one time with Council's approval.
 - h) Expenditure exceeding RM50,000 at one time with General Meeting approval.
 - i) The President, Secretary or Treasurer can incur any expenditure less than RM5,000.
 - j) Two persons or more (not MACB Council) shall be appointed as Honorary Auditors for the current year account during MACB AGM. They shall not be reappointed the next subsequent year.

The vice president of the MACB further informed all members that

- a) No Life Membership admission since 1.1.2016
- b) Members with outstanding fees of more than 2 years shall cease to be a MACB member and the Council may take legal action against them, provided that they have received the outstanding notice.

Please refer to **Appendix 1** for more details.

8.0 Any other Matters

The Chairman thanked the members for attending the AGM and for their active involvement. After all the items of the agenda being transacted with some new issues raised, the 32ND AGM was adjourned at 1.30 pm.

Prepared by:



CHUO PECK HAM
Secretary
MACB Council 2022/2024

Certified Correct by:



RAJA DR ELINA RAJA AZIDDIN
President
MACB Council 2022/2024

MACB CONSTITUTION AMENDMENTS 2022**A. RESOLUTION****Clause 1**

1.2 Its registered place of business shall be Division of Biochemistry, Institute for Medical Research, Jalan Pahang, 50588 Kuala Lumpur or at such other place or places as may from time to time be decided on by the Council. The registered place of business of the Association shall not be changed without the prior approval of the Registrar of Societies.

Amendment

Its registered place of business shall be MACB Office at No 17-07, Tingkat 17, Menara Arina Uniti, No 97, Jalan Raja Muda Abd Aziz, Kampong Baru, 50300 Kuala Lumpur or at such other place or places as may from time to time be decided on by the Council. The registered place of business of the Association shall not be changed without the prior approval of the Registrar of Societies.

Clause 4

4.2 Each member shall, upon admission pay the admission fee and the full year's subscription (if required), and thereafter the same annual subscription shall be payable to the Treasurer in advance before the 15th of January.

Amendment

Each member shall, upon admission pay the admission fee and the full year's subscription (if required), and thereafter the same annual subscription shall be payable to the Treasurer in advance before the 15th of February.

4.3 Any member who allows his arrears to exceed one calendar year's subscription shall receive a written notification signed by or on behalf of the Secretary, and shall be denied the privileges of membership until he settles his account.

Amendment

Any member who allows his arrears to exceed 15th February of each year shall receive a written notification signed by or on behalf of the Secretary by mail or electronic mail, and shall be denied the privileges of membership until he settles his account.

Clause 6

6.3 An Annual General Meeting of the Association shall be held as soon as possible after the close of each financial year but not later than 31st March on a date and at a time and place to be decided by the Council. The business of the Annual General Meeting shall be: -

Amendment

An Annual General Meeting of the Association shall be convened by the Council once a year as soon as practicable after the close of the financial year on a date and at a time and place to be decided by the Council. The Annual General Meeting may be held virtually if decided so by the Council.

To add

6.12 All notices, agenda, minutes, reports, audited accounts, nominations and balloting may be sent or received by mail or electronic media. If given by electronic media, it shall be deemed to be delivered when it is tagged sent by the software.

Clause 9

9.2 The Treasurer may hold a petty cash advance not exceeding one thousand ringgit at any one time. All money in excess of this sum shall within seven days of receipt be deposited in a bank approved by the Council. The bank account shall be in the name of the Association.

Amendment

The Treasurer may hold a petty cash advance not exceeding one thousand and five hundred ringgit at any one time. All money in excess of this sum shall within seven days of receipt be deposited in a bank approved by the Council. The bank account shall be in the name of the Association.

9.4 No expenditure exceeding five thousand ringgit at any one time shall be incurred without the prior sanction of the Council and no expenditure exceeding fifty thousand ringgit in any one month shall be incurred without the prior sanction of a general meeting. Expenditure less than five thousand ringgit may be incurred by the President together with the Secretary or the Treasurer.

Amendment

No expenditure exceeding five thousand ringgit at any one time shall be incurred without the prior sanction of the Council and no expenditure exceeding fifty thousand ringgit in 14 days in any one month shall be incurred without the prior sanction of a general meeting. Expenditure less than five thousand ringgit may be incurred by the President together with the Secretary or the Treasurer.

Clause 10

10.1 One person or more, who shall not be office bearers of the Association shall be appointed by the annual general meeting as Honorary Auditors. He/they shall hold office for one year only and shall not be reappointed the next subsequent year.

Amendment

Two persons or more, who shall not be office bearers of the Association shall be appointed by the annual general meeting as Honorary Auditors. He/they shall hold office for one year only and shall not be reappointed the next subsequent year.

To add

10.3 External certified/licensed auditors may be appointed by the council.

Others

Language: to change to English (in ROS system)

B. REMINDER

Clause 3

3.2 There shall be the following classes of membership of the Association, namely:

- Fellow
- Ordinary Member
- Associate Member
- Honorary Fellow
- Corporate Member
- Life Member (not available from 1.1.2016)
- Retired Member

3.2.6 “Life Member” shall be such person as comply with the requirement of paragraph 3.1 hereof, who has been an “Ordinary Member” for a minimum of five years and has applied for life membership by submitting the required subscription fee, subject to approval by the Council.

The admission of new “Life Members” will cease with effect from 1.1.2016. However, existing “Life Members” will continue to be entitled to all benefits and privileges of membership as before.

3.3 A Fellow, Ordinary Member, Associate Member or Life Member who ceases to be wholly or mainly occupied in the practice of clinical biochemistry shall not by reason thereof cease to be a Life Fellow, Ordinary Member, Associate Member or Life Member unless the Council so decides.

3.6 Upon the admission of a person as a Fellow, an Ordinary Member, a Life Member or a Retired Member, he shall become entitled to all the benefits and privileges of membership of the Association and subject to all the obligations thereof and shall be bound by the provisions of this Constitution.

Clause 4

4.4 Any member who allows his arrears to exceed two calendar year’s subscription shall automatically cease to be a member of the Association, and the Council may direct that legal action be taken against him, provided that they are satisfied that he has received due notice of his debts.

4.7 Paragraphs 4.3, 4.4 and 4.5 shall not apply to Life, Honorary Fellow or Retired Members.



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**MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS
ANNUAL REPORT 2022/2023**

MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS

(Persatuan Ahli Biokimia Klinikal Malaysia)

No 17-07, Tingkat 17,

Menara ArinaUniti,

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Kampong Baru, 50300 Kuala Lumpur

Prepared and Compiled by Chuo Peck Ham

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1.0 COUNCIL REPORT

1.1 MACB Council (2022-2024)

The new MACB Council was elected via e-Voting and announced on the 32nd MACB Annual General Meeting (AGM) which was held virtually on 24th Sept 2022. The new Council is as follows:

President	Y.M. Raja Dr. Elina binti Raja Aziddin
Vice President	Y.M. Tunku Datin Marinah Ashraf binti Tunku Abdullah
Secretary	Chuo Peck Ham
Assistant Secretary	Sivasangkari a/p Supremaniam
Treasurer	Chen Bee Chin
Council Member	Vani a/p Munusamy
	Roziela binti Abu Bakar
	Chew Yee Yean
	Dr Nurulamin bin Abu Bakar

1.2 Councils Activities

MACB Council Meetings:

The Council met 6 times during 2022/23 with attendance records as follows:

	Attendance
Y.M. Raja Dr. Elina binti Raja Aziddin	6
Y.M. Tunku Marinah Ashraf binti Tunku Abdullah	5
Chuo Peck Ham	5
Sivasangkari a/p Supremaniam	4
Chen Bee Chin	6
Vani a/p Munusamy	5
Roziela binti Abu Bakar	6
Chew Yee Yean	2
Dr Nurulamin bin Abu Bakar	6
Subcommittee	
Mohd Firdaus bin Abdul Aziz	5

The MACB council meetings were conducted through video conferencing and physical attendance.

1.3 Registrar of Societies (ROS)

Registrar of Societies (ROS) is a regulatory department under the Ministry of Home Affairs that primarily governs the registration, control, supervision and maintenance of records pertaining to registered non-governmental organisations. MACB is compiling 2022 documents in order to keep ROS updated on the current status of the MACB.

1.4 MACB Subcommittees

a. Scientific Subcommittee

Chairman : Y.M. Raja Dr Elina binti Raja Aziddin
Members : Y.M. Tunku Marinah Ashraf binti Tunku Abdullah
Dr Pavai Sthaneswar
Mohd Hareef bin Muhammed

Duties: a) To plan yearly scientific programs such as conferences, focused seminars, symposia and workshops for MACB.
b) To set up expert panels with the objective of creating and developing relevant guidelines and,
c) To co-ordinate multi-centre and international research collaborations.

b. Education Subcommittee

Chairman : Y.M. Tunku Marina Ashraf binti Tunku Abdullah
Secretariat : Adam Hathsey Bronson
Members : Dr. Mohd Jokha bin Yahya
Mohd Hareef bin Muhammed
Kala Devi a/p Nadarajan
Chen Bee Chin

Duties: To plan and organize training programs for all members and the industry.

c. Communication and Publicity Subcommittee

Chairman : Mohd Firdaus bin Abd Aziz
Members : Mohd Hafiz Rahim

Duties :
a) **To promote MACB activities and Membership drive** : Actively promote the association and engage in efforts to increase expand MACB's membership base by creating and disseminating awareness on about MACB's activities, including conferences, seminars, workshops, and educational events.
b) **To coordinate publication of Newsletters and Publicity Materials:** Ensure the timely release of newsletters and other promotional materials to inform members and the public about MACB's activities and achievements.
c) **To manage and maintain the MACB Website (www.macb.org.my):** Oversee and update MACB website with the latest information, events and resources pertaining to clinical biochemistry.

d. Corporate Affairs Subcommittee

Chairman : Sivasangkari a/p Supremaniam
 Secretary : Shen Wai San (Roche Diagnostics (M) Sdn Bhd)
 Treasurer : Adam Hathshey Bronson (Pantai Premier Pathology Sdn Bhd)
 Members :

Corporate member

1. BECTON DICKINSON
2. ABBOTT LABORATORIES (M) SDN BHD
3. UTAS MAJU SDN BHD
4. ROCHE DIAGNOSTICS (M) SDN BHD
5. RADIOMETER SDN BHD
6. MEDINICS (M) SDN BHD
7. SIEMENS HEALTHCARE SDN BHD
8. ACUTEST SYSTEMS(M) SDN BHD
9. AXISBIO DIAGNOSTICS SDN BHD
10. PANTAI PREMIER PATHOLOGY
11. INNOQUEST PATHOLOGY SDN BHD
(GRIBBLES PATHOLOGY (M) SDN.BHD)
12. CHEMOPHARM SDN BHD
13. PERKIN ELMER SDN BHD
14. MERCK SDN BHD

Representatives

1. Ms. Judy Yap
2. Ms. Ong May Fong
1. Mr. Daniel Lee
2. Ms Felisiana Maya
1. En. Khusyairi b. Zubir
2. Muhd Aiman b. Abdul Halim
1. Ms.Wua Ming Sheng
2. Ms. Shen Wai San
1. Mr.Naveen Jayakumar
2. Mr. Matthew Chan Chin Meng
1. Dr. Ravindran Raman
2. Ms. Nurul Afiqah
1. Mr. Gan Hui Hong
2. Ms. Leong Lai Cheng
1. Ms. Chew Shel Ling
2. Ms. Cindy Ting Jieh Ing
1. Ms. Farrah Zuall Cobley
2. Mr. Nor Hilal Abu Hanipah
1. Mr. Adam Hathsey
2. Ms Haslina Yaakub
1. Mr. Sivasooriar Sivaneson
2. Mr. Gobhy Ramaloo
1. Ms. Wei Suh Chan
2. Ms. Wong Yoke Yien
1. Ms. June Tan
2. Ms. Noorulaini Sulaiman
1. Ms. Cristina Columna
2. Mr Marcus Yeong

Duties : To communicate, plan and engage with the industry players to Support MACB activities

e. Journal and Scientific Publication

Chairman	:	Dr. Nurulamin Abu Bakar
Editor-in Chief	:	Dr. Abdah Md Akim (Universiti Putra Malaysia)
Assistant Editor-in Chief	:	Dr. Mohd Izani Othman (Universiti Teknologi Mara)
Managing Editor	:	Dr. Nurulamin Abu Bakar (Hospital Selayang)
Editors	:	Dr. Hani Ajrina Zulkeflee (Hospital Ampang & Universiti Sains Islam Malaysia) Dr. Farah Wahida Ibrahim (Universiti Kebangsaan Malaysia) Dr. Chan Mooi Kwai (H. Pulau Pinang) Dr. Lina Wati Durani (H. Tunku Azizah KL) Ms. Visalini Vejanan (H. Batu Gajah)
Advisory Board Members	:	Dr. Raja Elina Raja Aziddin (MACB President) Dr. Leslie Charles Lai Chin Loy (Gleneagles KL) Dr. Pavai Sthaneshwar (Universiti Malaya Medical Centre)
Web Manager	:	Mr. Firdaus Abdul Aziz (Institut Kanser Negara)
Duties	:	a) To manage the editorial direction of the MACB Journal consulted by the Editor and the MACB Council b) To monitor the quality of the Journals published and reviewed.

The subcommittee will work with the Editor to establish a panel of peer reviewers based to each expertise and will also participate in the review process. They may provide advice on other strategic and ongoing issues relating to the Journal as requested by the MACB Council.

f. MACB Awards Subcommittee

Chairman	:	Chuo Peck Ham
Members	:	Kamisah binti Karim Shajaratul Dura bt Mat Ali Rohaznida Baharuddin

Duties	:	To establish the process of acknowledging and recognising prominent scientists and laboratory professionals who have contributed to the advancement of clinical biochemistry field in Malaysia and across the region.
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g. IFCC and APFCB National Representatives

Y.M. Raja Dr Elina binti Raja Aziddin is the Malaysian representative in the IFCC and APFCB.

The MACB also nominated its members to sit in the IFCC and APFCB committee. Based on these nominations, Dr. Mohd Jamsani Mat Salleh has been chosen to represent the MACB in the APFCB Laboratory Management Committee and Dr. Nada Syazana Zulkufli, in the APFCB Education Committee.

Dr Hanisah Hamid is the corresponding member of the IFCC POCT committee.

1.5 MEMBERSHIP

For the year 2022/2023 MACB successfully recruited 21 new ordinary and 9 associate members, with a total increase of 4.5 % in the membership list. MACB Membership Secretariat is actively driving sustainability of MACB membership and provision of benefits and privileges to members.

Membership	2020/2021	2021/2022	2022/2023
Fellow	1	1	1
Life	9	9	9
Ordinary	383	409	430
Associate	229	239	248
Corporate	20	21	21
Retired members	6	5	5
Total	648	684	714

*updated as on 23 Oct 2023

2.0 SCIENTIFIC SUBCOMMITTEE REPORT

(by Y.M. Raja Dr Elina Aziddin, Chairman of Scientific Subcommittee)

2.1 SNIBE-MACB IMMUNOASSAY CONFERENCE

An International Conference on Immunoassay was held on 2nd March, 2023, at the Aloft Hotel, Kuala Lumpur Sentral, jointly organized by the Malaysian Association of Clinical Biochemists (MACB), the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), and SNIBE. The conference was attended by more than 300 delegates from Malaysia and other Southeast Asian countries, namely Indonesia, Philippines, Thailand, Myanmar and Vietnam.



Picture 1: International Immunoassay Conference organised by MACB, IFCC and SNIBE at the Aloft Hotel, Kuala Lumpur Sentral on 2nd March 2023.

The conference covered a broad range of topics related to immunoassay. Among the topics presented were “Free Testosterone: A Laboratory Test with Several Clinical Implications” that was delivered by renowned international speaker Prof. Maurizio Ferrari, “The Use of ANA/dsDNA in Clinical Practice” by Prof. Aw Tar Choon, “Clinical Application of PCT, hs-CRP and IL-6 in Inflammation Monitoring” by Prof. Anderson Amirthanathan, and “Autoantibodies for Type 1 Diabetes” by Dr. Saraswathy Apparow.

The conference was a resounding success, with participants expressing satisfaction with the quality of the lectures and the organization of the event. The venue, Aloft Hotel, Kuala Lumpur Sentral, provided an ideal setting for the conference, with spacious halls and modern amenities. The conference also received support from **Biomed Global**.

In conjunction with the conference, MACB signed a Memorandum of Understanding (MOU) with SNIBE. The MOU sets the terms and understanding between MACB and SNIBE to enhance mutual cooperation in promoting learning and research in clinical biochemistry in Malaysia.

2.2 WORKSHOP ON CALIBRATION & CHECKING OF MEASURING EQUIPMENT

Malaysian Association of Clinical Biochemists organized a workshop on “Calibration & Checking Of Measuring Equipment” on 21st -2nd March 2023. The event was a collaboration with the National University of Malaysia and was held at the Faculty of Health Science, UKM, Kuala Lumpur.



Picture 2: MACB Workshop on Calibration & Checking of Measuring Equipment in UKM, Kuala Lumpur on 21st -22nd March 2023.

The workshop provided training on calibration and checking of measuring equipment, namely, thermometers, timers, balances, pipettes and pH meters, in line with MS ISO 15189: 2014 Technical Requirement on Calibration & Checking of Measurement Equipment. Approximately 80 participants, largely from the private laboratories, attended the workshop.

The training was conducted by experienced speakers and medical lab personnel who were well-versed in the subject matter. Participants received hands-on training on calibration and checking of measuring equipment commonly used in their respective labs. Facilitators also provided guidance on troubleshooting equipment-related problems that can occur in clinical biochemistry laboratories. Overall, the workshop received positive feedback.

2.3 IFCC PRESIDENT VISITING LECTURE PROGRAM

Malaysian Association of Clinical Biochemists hosted the IFCC President, Prof Khosrow Adeli's travelling lecture program to Kuala Lumpur Malaysia from 26th -28th March, 2023. In conjunction with Professor Dr. Khosrow Adeli's visit, MACB held a series of scientific programmes which included a Paediatric Pathology Symposium, a laboratory visit to Hospital Tuanku Azizah and 2 roundtable discussions.

a) Paediatric Pathology Symposium

Malaysian Association of Clinical Biochemists (MACB) and the Pathology Department of Hospital Tunku Azizah jointly organized a Paediatric Pathology Symposium with the theme "Metabolic Syndrome in Children: Current Scenario & Challenges" at the Auditorium Perdana, Hospital Tunku Azizah on 27th March 2023.



Picture 3: MACB Paediatric Pathology Symposium on 27th March 2023 in conjunction with IFCC President's visit to Malaysia

The symposium provided latest updates on metabolic syndrome in children and covered a range of relevant topics pertaining to paediatric pathology. Prof. Dr. Khosrow Adeli presented 2 lectures:

- 1) Pathophysiology of Paediatric Obesity and Metabolic Syndrome, and
- 2) Clinical Application of Cardiac Markers in Paediatrics.

Other topics include “Obesity in Children – Malaysian Scenario, The Changing Face of Paediatric Diabetes and Testing in Malaysia -Laboratory Perspective and Experience” presented by local experts, Prof. Dr. Muhammad Yazid Bin Jalaludin, a Senior Consultant Paediatrician and Consultant Paediatric Endocrinologist at the University Malaya Medical Centre (UMMC), Dr. Nalini M Selveindran, a Paediatric Endocrinologist from Hospital Putrajaya (HPJ) and Dr. Saraswathy Apparow, Chemical Pathologist from Institute for Medical Research (IMR).

The event was attended by approximately 200 healthcare professionals which include clinicians, medical lab scientists, pathologists, paediatricians-and nurses.

b) Laboratory Visit

After the symposium ended, Prof. Dr. Khosrow Adeli visited the Pathology Laboratory at Hospital Tunku Azizah to have further discussion with paediatricians, pathologists and medical lab scientists. Among discussed subject matter/issues were related to laboratory techniques used in diagnosing and monitoring metabolic syndrome and its associated conditions, such as diabetes and cardiovascular disorders.



Picture 4: Discussions during the IFCC President’s laboratory visit to Paediatrics Hospital (Hospital Tunku Azizah), Kuala Lumpur on 27th March 2023

The hospital presented the Malaysian newborn screening programme to Prof. Adeli who, in turn shared his expertise on the latest research and developments in the field of metabolic syndrome and discussed potential collaborations between the hospital and his institution. These discussions were valuable for healthcare professionals to improve their understanding and management of metabolic syndrome in children.

c) Roundtable Discussions

In conjunction with the visit by IFCC President to Malaysia, MACB organised a roundtable discussion on “Training Needs and Research Opportunities for Medical Lab Scientists” at the Faculty of Health Sciences, Universiti Kebangsaan Malaysia, Jln Raja Laut, Kuala Lumpur on 28th March 2023. The roundtable discussion was attended by 30 participants comprising of lecturers, researchers, medical lab scientists, graduate and post graduate students.



Picture 5: Roundtable discussion with Prof. Khosrow Adeli “Training Needs and Research Opportunities for Medical Lab Scientists” at Faculty of Health Sciences, National University of Malaysia (UKM) on 28th March, 2023.

The discussion focused ~~was~~ on the current and future training needs for Medical Laboratory Scientists in Malaysia. Prof Adeli’s views and opinions will be useful in developing learning modules for biomedical science graduates and postgraduate students in line with the recent technological advancements in laboratory medicine field. Potential research opportunities and international expert collaborations were also discussed.

Later in the afternoon MACB held another roundtable discussion on “Reference Interval and the CALIPER Initiative” at Melati Room, Hotel Impiana, Kuala Lumpur.



Picture 6: A roundtable discussion with Prof. Khosrow Adeli on “Reference Interval and the CALIPER Initiative” at Melati Room, Hotel Impiana, Kuala Lumpur on 28th March, 2023

This discussion, which was attended by thirty participants comprising of clinicians, paediatricians, researchers and medical lab scientists also included a proposal to initiate a study on paediatric reference interval in Malaysian children. It was a fruitful discussion that generated ideas for potential collaboration opportunities in the near future.

2.4 NATIONAL ABG SYMPOSIUM: Updates on Latest ISO 15189 and iQM

The National ABG Symposium: Updates on Latest ISO 15189 and iQM was held at Royale Chulan Hotel, Kuala Lumpur on 12th July, 2023. The symposium under the auspices of Malaysian Association of Clinical Biochemists (MACB) was jointly organized with Straits Scientific and Werfen. Over 70 people attended the Symposium comprising of a virtual session, a number of lectures and interactive discussions with Blood Gas equipment users.



Picture 7: Participants at the National ABG Symposium at Hotel Royale Chulan, Kuala Lumpur on 12th July, 2023.

The objectives of this symposium were to provide a continuous learning platform for ABG users in line with the requirements of the new edition of ISO 15189:2022, as well as to provide updates on blood gas technology and its intelligent Quality Management (iQM). Speakers included Professor Emeritus Sharon S. Ehrmeyer from University Wisconsin-Madison and Davide Columbo, a Global Acute Care expert with 35 years experience in Blood Gas testing and equipments.

2.5 33RD MACB ANNUAL SCIENTIFIC CONFERENCE 2023

The 33rd MACB Annual Scientific Conference 2023 was held at Pullman Hotel, Bangsar, Kuala Lumpur from 5th – 6th September, 2023. In conjunction with the conference, an IFCC-CCLM-MACB Pre-Conference Workshop on ‘Benchmarking Quality Performance in the Clinical Laboratory’ was held on 4th September, 2023. The pre-conference workshop was supported by the IFCC Abbott Visiting Lecture Programme. The 3 IFCC speakers were Assistant Professor Dr Prasenjit Mitra, India (IFCC) who spoke on ‘Analytical Quality Goal Specification’, Assistant Professor Dr Mahesheema Ali, USA (IFCC) on ‘Moving Averages: Impact of Implementing Patient-Based Quality Control’ and Dr Merve Sibel Güngören, Turkey (IFCC) on ‘Concept and Framework of Auto Verification’. Three local speakers also shared their individual lab experiences on various topics. Around 80 participants who took part in the pre-conference workshop found the lectures and interactive sessions very beneficial and applicable.



Lecture by A/P Dr Prasenjit



Lecture by A/P Dr Mahesheema Ali



Lecture by Dr Merve



Question and Answer session

The 33rd MACB Annual Scientific Conference was organised by UMMC team and chaired by Ms Chew Yew Yean. The conference was officiated by Dr Tengku Norita Tengku Yazid, Head of National Pathology Services, Ministry of Health Malaysia. In the opening ceremony, a long-service award was presented to Dr Badrul Amini Abd Rashid, a former MACB council, who served the MACB council for 33 years since its establishment in 1990.



33rd MACB Conference 2023 Opening Ceremony



Participants at the 33rd MACB Conference 2023



33rd MACB Conference – participants at the exhibition booth area



33rd MACB Conference poster presentations



MACB Council with the 33rd Conference organising committee at the closing ceremony

The conference scientific programme included 7 plenary lectures and 14 lectures under 5 symposium topics of current interest which included IFCC C-CLM Symposium on Innovative Solutions in Laboratory Medicine, Chronic Kidney Disease, Liver Disease, Updates on Troponin I and Updates on Endocrinology. Lectures were presented by 10 international experts from US, Turkey, Australia, Japan, France, India, Singapore and 9 local speakers. Three international speakers presented their lectures virtually. In addition to the plenary and symposium lectures, there were 4 oral presenters and 38 poster presenters. This year MACB granted 2 Young Scientist Award winners, one from India and the other from Malaysia who also presented their papers at the conference. The 33rd MACB Conference received strong support from the IVD industry, with 5 exhibitors and 2 platinum sponsors. The conference was hugely attended by 254 participants.

2.6 HYBRID HbA1c USER MEETING ON 19th SEPTEMBER 2023

Everlife-Chemopharm Group organized a-hybrid HbA1c User Meeting at Vida Bukit Ceylon, Level 22, KL on 19th September 2023 under MACB auspices.

The meeting featured lectures from three esteemed speakers: Dr. Marco Flamini, Bio-Rad Global Product Manager; Dr. Adlin Zafrulan Bin Zakaria, Senior Chemical Pathologist at Hospital Raja Perempuan Zainab II; and Associate Professor Dr. Busadee, Clinical Pathologist at Mahidol University in Thailand.

In the meeting, Dr Marco Flamini shared on “Diabetes and Hemoglobinopathy Testing, A Synergic Strategy for A Common Goal: A Healthier Community.”; Dr Adlin on “Streamlining Laboratory Reporting: Overcoming Challenges with Bio-Rad HPLC Method”; and Dr Busadee Protumvinit on “Update on Diabetes Situation in Thailand & Potential Effect of Analytic and Clinical Factors of HbA1c”. The meeting ended after Dr Hanisah Abdul Hamid’s topic on “Correlation of HbA1c value between Variant II Turbo HbA1c Analyzer and D100 HbA1c Analyzer among patients with P3 > 5%”



Event flyer



Opening remarks by MACB President



Lecture and Q&A session with Dr Marco Flemini



Participants at HbA1C User Meeting

Overall, it was a fruitful meeting with 33 physical attendees and 134 virtual attendees who joined on Microsoft Teams. Feedbacks received were on average of 4.5 out of 5.

2.7 THE 7th CONGRESS OF ASIA ASSOCIATION OF MEDICAL LABORATORY SCIENTISTS (AAMLS 2023)

Malaysian Association of Clinical Biochemists (MACB) signed a Memorandum of Understanding with Malaysian Institute of Medical Laboratory Sciences (MIMLS) to support the Asia Association of Medical Laboratory Scientists (AAMLS) Congress which was hosted by MIMLS at World Trade Centre Kuala Lumpur from 9th to 12th October 2023. The aim of this collaboration between MIMLS and MACB was to showcase the best of Malaysia medical laboratory industry to delegates from across Asia, fostering a sense of hope and appreciation for the advancements in medical laboratory sciences in the country. The MACB supported the congress in 2 programmes:

Pre-Congress Workshops (Day 1):

MACB conducted pre-congress workshop on 9th October from 1.30pm to 5.30pm on “Impact Of Iso 15189:2022 On Laboratory Quality Management”. A lecture on ‘Introduction to ISO 15189:2002: Requirements for Quality and Competence’ was given by Ms Fariza Wan Abdullah Department of Standards Malaysia, Ministry of International Trade and Industry Malaysia, ‘Risk Based Approach in ISO 15189:2022’ by Dr Raja Elina Raja Aziddin, President of MACB and ‘Managing Quality in the Context of ISO 15189:2022’ by Ms Rozita Abdullah, Clinical Biochemist, Hospital Sungai Buloh.

Symposium 12 – Immunology and Clinical Chemistry (Day 2)

MACB assisted MIMLS in inviting 2 speakers for this symposium. The lecture on ‘Vitamin D & Endocrine Disorders’ was delivered by Dr Sharifah Faradila Wan Muhammad Hatta, Consultant Internal Medicine Physician and Endocrinologist, KPJ Damansara Specialist Hospital 2 and ‘Interference in Immunoassays’ by Ms Joanne Lee Mee Yin, Senior Manager, Quality Assurance and Technical Excellence, Parkway Laboratories, IHH Singapore.

2.8 OTHER ACTIVITIES

a) **ROUNDTABLE DISCUSSION FOR "STAND AGAINST PREDIABETES"**

The president represented MACB in a roundtable discussion on the inclusion of prediabetes values in laboratory test results which was organized by the Malaysian Endocrine and Metabolic Society (MEMS) and Chapter of Chemical Pathology and Metabolic Medicine, College of Pathologists, Academy of Medicine of Malaysia (CPathAMM) on 13th January, 2023 at Le Meridien Hotel, Kuala Lumpur.

b) **17th APFCB COUNCIL MEETING**

The 17th APFCB Council meeting was held virtually on 15th April 2023. MACB was represented by YM Tunku Marinah, Vice President of MACB. The MACB president also attended as the chair of the APFCB Communications and Publications Committee.

c) **WORLDLAB - EUROMEDLAB CONGRESS 2023 IN ROME, ITALY FROM 21st-25th MAY 2023**

MACB received support from SNIBE for 10 Travel Grants to attend the Worldlab/Euromedlab Congress 2023 In Rome, Italy.

The MACB-SNIBE Travel Grant was awarded to the following members:

- 1) Mohd Hareeff Muhammed, Chief Executive Officer, Pantai Premier Pathology
- 2) Dr. Nur Shafini Binti Che Rahim, Chemical Pathologist and Head of Special Chemistry Lab, Hospital Kuala Lumpur
- 3) Roziela Abu Bakar, Medical Laboratory Scientist BioMedical Research Core Facility, IMR
- 4) Dr Hafizah Abdullah, Chemical Pathologist and Head of Special Chemistry Lab, Hospital Tunku Azizah (Women and Child Hospital), Kuala Lumpur
- 5) Rozita Abdullah, Senior Medical Lab Scientist, Hospital Sungai Buloh
- 6) Rohaiyu Binti Ismail, Medical Laboratory Scientist and Head of Pathology Department, Rehabilitation Hospital, Cheras, KL
- 7) Dr Ting Huong Yew, Chemical Pathologist, Miri General Hospital, Sarawak
- 8) Mohd Firdaus Abdul Aziz, Medical Lab Scientist, National Cancer Institute, Putrajaya
- 9) Dr Dian Nasriana Binti Nasuruddin, Chemical Pathologist and Senior Lecturer, National University Of Malaysia Medical Centre
- 10) Sivasangkari Supremaniam, Medical Laboratory Scientist, Hospital Tunku Azizah (Women and Child Hospital), Kuala Lumpur

The MACB president also attended the Congress in her capacity as a member of the IFCC Clinical Lab Management Committee and was supported by the IFCC.



d) MALAYSIA BUSINESS EVENTS WEEK (MBEW) ON 22nd & 23rd AUGUST 2023

The MBEW was organised by Malaysia Convention & Exhibition Bureau (MyCEB) on 22nd-23rd August, 2023 at Kuala Lumpur Convention Centre. The program, themed “Riding the Waves” aims to create a series of ripples and impact towards financial and socio-economy for the country through Business Events. The event showcased knowledge sharing and case studies with a focus on sustainability and resilience. This event was attended by more than 300 local and international delegates consisting of business event industry players, association executives and students. MACB was represented by the President.

e) SNIBE INTERNATIONAL SYMPOSIUM ON IMMUNOASSAY

MACB received 9 travel grants from SNIBE for its members to attend an International Immunoassay Symposium in Shenzhen China from 24th-28th August 2023. The following members successfully attended the symposium:

- 1) Yeoh Ai Chin, Scientific Officer, University Malaya Medical Centre
- 2) Chen Bee Chin, Clinical Biochemist and Treasurer, Malaysian Association of Clinical Biochemists
- 3) Mohd Hairi Bin A Hamid, Senior Medical Lab Scientist, National Heart Institute (IJN)
- 4) Nur Hidayah Bt Ismail, Medical Lab Scientist, Hospital Labuan
- 5) Low Yoke Lee, Biochemist & Senior Lab Manager, Premier Integrated Labs Sdn. Bhd.
- 6) Dr Noor Alicezah Mohd Kasim, Chemical Pathologist / Lecturer, Clinical Diagnostic Laboratories, Hospital Al Sultan Abdullah, UiTM
- 7) Dr Subashini Chellappah Thambiah, Consultant Chemical Pathologist (Metabolic Medicine), Department of Pathology, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
- 8) Assoc. Prof. Dr Tuan Salwani Tuan Ismail, Medical Lecturer, Lab Director of Endocrine Lab HUSM, Hospital Universiti Sains Malaysia
- 9) Assoc Prof Dr Asmah Hamid, Lecturer / Researcher, Faculty of Health Sciences, Universiti Kebangsaan Malaysia

3.0 EDUCATION SUBCOMMITTEE REPORT

(by Y.M. Tunku Marinah, Chairman of Education Subcommittee)

Conjoined activities with Scientific subcommittee

4.0 CORPORATE AFFAIR SUBCOMMITTEE REPORT

(by Sivasangkari a/p Supremanium, Chairman of Corporate Affairs Subcommittee)

The subcommittee is headed by Mrs. Sivasangkari Supremanium, Ms Wai San Shen (Roche Diagnostics) as secretary and Mr. Adam Hathsey Brosnan (Pantai Premier Pathology) as the treasurer.

Corporate sub-committee was formed to facilitate scientific and educational collaboration between MACB and the diagnostic industry players. Its members consist of MACB members and company representatives in the industry.

We also help to identify collaboration opportunities within the industry, facilitate discussions on collaborative activities between the association and the industry and to provide a platform for industry players to give their input on the practice of clinical biochemistry with the advancements in science and technology.

The 25th International Congress of Clinical Chemistry and Laboratory Medicine (IFCC) WorldLab, 25th European Congress of Clinical Chemistry and Laboratory Medicine (EFLM) EuroMedLab, 55th Annual Congress of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC) all organized by MZ Events took place from **21st – 25th May, 2023** in Rome Convention Centre (The Cloud), Rome, Italy. Our corporate member, SNIBE, sponsored 10 places to attend this conference.

We hope to organize more CSR projects and other collaborative events in near future. We also welcome more members from the diagnostic industry to join us and be our partner in taking our speciality to greater heights.

5.0 MACB AWARDS SUBCOMMITTEE REPORT

(by Chuo Peck Ham, Chairman of MACB Awards Subcommittee)

MACB Awards Subcommittee first launched the MACB Young Scientist Awards (YSA) in 2022. The Awards subcommittee's mission statement is to recognize the achievements of scientists under the age of 40, who have demonstrated to be the leading experts in the field of Clinical Biochemistry by conferring them MACB Young Scientist Awards (YSA).

Two (2) distinguished scientists under the age of 40 years old have been selected as the MACB YSA 2023 winners.

These MACB YSA 2023 recipients are entitled to a complimentary conference registration for the 33rd MACB Conference 2023, which took place at Pullman Kuala Lumpur in Bangsar, Malaysia. The award also covers up to RM2,000 for travel and a two-night stay accommodation during the conference.

Prior to receiving the prize, the winners shall

- a) participate in the 2023 MACB Young Scientist Awards (oral presentation session)
- b) submit a full paper in the MACB Journal of Clinical Biochemists (MJCBC).

These are the two recipients with their winning titles:

- 1 Dr Saswati Das
Assistant Professor
Department of Biochemistry
ABVIMS & Ram Manohar Lohia Hospital,
New Delhi, India.



Title: Sigma Metric Evaluation of Pre Analytical and Post Analytical Errors in a Clinical Chemistry Laboratory

- 2 Iman Nabilah Abd Rahim
Graduate Research Assistant (GRA)
Institute of Pathology, Laboratory and Forensic Medicine (I-PPerForM),
Faculty of Medicine,
UiTM Sungai Buloh Campus,
Jalan Hospital, 47000 Sungai Buloh, Selangor, Malaysia.



Title : Comparison Of Directly Measured Ldl-Cholesterol With Calculated Ldl-Cholesterol Using Friedewald, De Cordova, Ahmadi And Vujovic Formulas

6.0 COMMUNICATION AND PUBLICITY (C&P) SUBCOMMITTEE REPORT

(by Firdaus, Chairman of Communication and Publicity Subcommittee)

One of the significant achievements of the C&P Subcommittee is the acquisition of new assets to enhance our conference and event experiences. We have purchased video cameras and video editing tools, enabling us to offer hybrid events that combine in-person and virtual participation. This investment will elevate the quality of our conferences and broaden our reach to a wider audience. The purchase of recording and hybrid equipment's incurred a cost of approximately RM 20,000. With the acquisition of these video equipments, we managed to anticipate virtual presentation as well as hybrid sessions with the presenters and participants. Other achievements as below :

A) Website Development

The C&P Subcommittee is pleased to report the successful development of a new MACB website that includes a members' database. The website offers the following features:

- **Membership Management:** Members can now check their membership numbers, update their personal details, purchase tickets for MACB events, and make payments for their membership

subscriptions through the website.

- **Cost:** The development of the website incurred a cost of approximately RM10,000.
- **Future Plans:** We plan to provide a more academic content that is exclusively available for MACB members in the future.

B) Online Presence

Currently, the C&P Subcommittee manages multiple online platforms, which are instrumental in promoting MACB:

1. **MACB Main Website:** www.macb.org.my
2. **Malaysian Journal of Clinical Biochemistry:** <https://journal.macb.org.my/index.php/home>
3. **Social Media Accounts:**
 - **Facebook:** www.facebook.com/macbpage
 - **Instagram:** www.instagram.com/macb_moments
 - **YouTube Channel:** www.youtube.com/channel/UccOj_T_t-JfKpWL7FttFIWw (Note: URL to be updated after the channel reaches 100 subscribers)
 - **Flickr Account:** www.flickr.com/photos/macbphotogallery/albums
 - **Telegram Info Channel:** t.me/macbinfo
 - **MACB WhatsApp Number:** [Wa.me/60193744779](https://wa.me/60193744779)
 - **LinkedIn Page:** <https://www.linkedin.com/company/macbmalaysia/>

C) Future Plans

The C&P Subcommittee is committed to further enhancing MACB's visibility and value to its members. Our future plans include:

1. **Ongoing Website Development:** We will continue to develop the website, adding more academic content exclusively for MACB members.
2. **Expanded Social Media Presence:** We aim to increase engagement on our social media platforms, striving to gain more subscribers on our YouTube channel and extend our reach on other social media networks.
3. **Streamlining Communication:** We plan to streamline communication within the association, ensuring members are well-informed about MACB's activities and developments.

In conclusion, the C&P Subcommittee remains dedicated to the promotion of MACB and its clinical biochemistry initiatives. Our recent accomplishments and future plans are aligned with our mission to educate and engage the community about the organization's work and attract new volunteers and members.

7.0 JOURNAL SUBCOMMITTEE REPORT

(By Dr. Nurulamin Bin Abu Bakar, Chairman of Journal Subcommittee)

The Malaysian Journal of Clinical Biochemists (MJCB) is getting a new Open Journal System (OJS) Theme to further improve its website in preparation for the e-journal implementation in next edition. Besides having more attractive and professional-looking website to attract more readers, authors and reviewers, the new OJS theme will improve the e-journal management system (e.g., drag and drop functionality, easy content editing, etc.), the journal's visibility in search engine result, and the security of user data and confidential manuscript submission.

The MJCB has re-structured and reformed with new Editorial Board Members consisting of biochemists, pathologists and academicians from various institutions.

The Editorial Team aims to officially launch the new MJCB website in November 2023 and is optimistic to release its first e-journal volume in April 2024.

8.0 ANNUAL GENERAL MEETING 2022

The 32nd MACB AGM was held virtually on 24th September 2022. Please refer to the 32nd AGM minutes for details.

9.0 NEXT ANNUAL CONFERENCE 2024

34th MACB Annual Conference 2024

The 34th MACB Annual Conference will be held physically in 2024. The confirmed venue and date will be posted on the MACB website soon.

10.0 OTHER ACTIVITIES

10.1 Hosting of APFCB Webinar

On 4th October 2023, the MACB hosted the APFCB Webinar on “All you ever wanted to know about Patient Based Real Time Quality Control”. The purpose of this webinar is to registrant the opportunity to ask any questions they may have about this form of QC.

APFCB WEBINAR
*“All you ever wanted to know about
Patient Based Real Time Quality Control”*
4th October, 2023 | 4.00 – 5.00 pm (Singapore Time)

Dr. Tony Badrick
Australia

Dr. Loh Tze Ping
Singapore

Dr. Xincen “Luke” Duan
China

10.2 EFLM Academy

MACB functions as the affiliated national association for with the EFLM Academy, and has established a block enrolment for its active members since 2021. EFLM Academy Members are given a free access privilege to Clinical Laboratory Standards Institute (CLSI) documents under the agreement terms between EFLM and MACB.

To date, MACB has received excellent feedbacks from its participants with 76 new EFLM Academy enrolments in-2023. Renewal will routinely start in November of the current year, while for new enrolment application begins in the following year.

Kindly check out MACB website for more updates.

10.3 Recruitment to MACB Subcommittees

MACB Subcommittee recruitment is consistently ongoing to encourage involvement of MACB members in various subcommittees. This is in support of achieving MACB's objectives and to give MACB members the opportunities to play a more active and engaging role in the association. The selected applicants will take office for a term of 2 years from the date of appointment. MACB has always welcome all interested members to apply to support the association's initiatives and efforts in spearheading more activities through its subcommittees for the betterment of laboratory medicine industry in the country.

Prepared by:



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Chuo Peck Ham
Secretary 2022/2024

Certified Correct by:



.....
Y.M. Raja Dr Elina binti Raja Aziddin
President 2022/2024

MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS
 (PPM0051410031990)
 (Registered in Malaysia)

SCHEDULE OF EXPENSES
FOR THE YEAR ENDED 31 DECEMBER 2022

	2022	2021
	RM	RM
ADMINISTRATIVE EXPENSES		
Council meeting	10,200	4,700
Depreciation expenses	3,076	3,076
Food and messing	1,151	65
Gift and donation	5,940	2,000
License fees	200	-
Maintenance charges	3,313	3,313
Membership subscription	14,892	12,776
Petrol, parking and toll	140	119
Postage, printing and stationery	2,437	329
Penalty	498	200
Quit rent and assessment	135	409
Salary and wages	16,800	16,800
Sponsorship	-	1,000
Services tax expenses	442	411
Subscription fees	3,169	-
Telephone charges	4,440	4,813
Travelling expenses	9,514	917
Upkeep of office equipment	-	58
Upkeep of premises	79	30
Upkeep of website	15,940	8,312
Water and electricity	532	487
	<u>92,898</u>	<u>59,815</u>
OTHER OPERATING EXPENSES		
Auditor's remuneration	1,350	1,200
Accounting fees	4,500	5,000
Bank charges	830	206
Tax agent fees	1,260	1,400
	<u>7,940</u>	<u>7,806</u>

The detailed income statement do not form part of the Financial Statements of the Association.

MALAYSIAN ASSOCIATION OF CLINICAL BIOCHEMISTS
 (PPM0051410031990)
 (Registered in Malaysia)

**DETAILED INCOME STATEMENT AND EXPENDITURE
 FOR THE YEAR ENDED 31 DECEMBER 2022**

	2022	2021
	RM	RM
REVENUE		
Annual subscription fees	15,890	32,148
Conference and entrance fees - MACB	80,899	74,417
Conference and entrance fees - ACBRLM	-	74,872
Membership entrance fees	4,190	4,420
Membership EFLM fees	7,230	6,370
Training workshop and seminar fees	36,770	3,500
	144,979	195,727
LESS: COST OF REVENUE		
Conference expenditure - MACB	(19,155)	(10,700)
Conference expenditure - ACBRLM	-	(48,542)
Training workshop and seminar expenses	(20,705)	-
	(39,860)	(59,242)
GROSS PROFIT	105,119	136,485
ADD: OTHER INCOME		
Interest on fixed deposit	14,378	13,622
	14,378	13,622
LESS: OPERATING EXPENSES		
Administration expenses	(92,898)	(59,815)
Other operating expenses	(7,940)	(7,806)
	(100,838)	(67,621)
PROFIT BEFORE TAXATION	18,659	82,486

The detailed income statement do not form part of the Financial Statements of the Association.