



## **Minutes of 20th Meeting of the Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM20)**

**The 20th Meeting of the Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM20)** was organized by one of the ACM members, Research Organization for Life Sciences and Environment, National Research and Innovation Agency of Republic of Indonesia (BRIN).

The ACM20 Meeting was held simultaneously in the form of a Join Conference with The 13th International Symposium of Indonesian Society for Microbiology (ISISM-13) and The 10th International Symposium of Innovative Bioproduction Indonesia on Biotechnology and Bioengineering (ISIBio-10). The topic of Join Conference is "Precision Microbiology and Omics Technology for fostering Multisectoral Recovery and Accelerating Sustainable Bioeconomy".

### **Date:**

Monday-Wednesday, 27-29 November 2023

### **Venue of the meeting:**

Sahira Hotel, Bogor, West Java

Jl. A. Yani No.17-23, RT.02/RW.02, Tanah Sereal, Kec. Tanah Sereal, Kota Bogor, Jawa Barat 16161 • (0251) 7552181

<https://www.sahirahotels.com/hotels/the-sahira-hotel>

### **Participants:**

Total of 86 attendees, 19 organizations from 8 countries and region participated in ACM20 Meeting as follows:

1. Bioresource Collection and Research Center (BCRC)
2. Biological Resource Center, National Institute of Technology and Evaluation (NBRC)
3. Bioresource Research Center, Phenikaa University (PU-BRC)
4. Indonesian Centre for Extremophile Bioresources and Biotechnology (ICEBB)
5. Institute of Microbiology and Biotechnology (IMBT), Vietnam National University, Hanoi
6. Institute of Microbiology, Chinese Academy of Sciences (IMCAS)
7. Korean Agricultural Culture Collection (KACC), National Academy of Agricultural Science
8. Korean Collection for Type Cultures/BRC (KCTC), Korea Research Institute of Bioscience and Biotechnology (KRIBB)
9. Malaysian Agricultural Research and Development Institute (MARDI)
10. Microbial Culture Collection (MCC), National Institute for Environmental Studies (NIES)
11. Microbial Culture Collection Unit, Universiti Putra Malaysia (UNiCC)
12. Microbiological Research and Services Laboratory, Natural Sciences Research Institute (NSRI), University of the Philippines, Diliman (UPD)
13. Philippine National Collection of Microorganisms (PNCM), National Institute of Molecular Biology and Biotechnology (BIOTECH), University of the Philippines Los Baños
14. Research Organization for Life Sciences and Environment, National Research and Innovation Agency of Indonesia (BRIN)
15. Universitas Negeri Jakarta Culture Collection (UNJCC)
16. University of Santo Tomas Collection of Microbial Strains (USTCMS), Thomas Aquinas Research Complex
17. National Institute of Infectious Diseases and Vaccinology, National Health Research Institutes (Observer)
18. National Quality Control Laboratory of Drug and Food (NQCLDF) (Observer)



19. Universitas Indonesia Culture Collection (UICC), Center of Excellence for Indigenous Biological Resources Genome Studies (CoE IBR-GS), Faculty of Mathematics and Natural Sciences, Universitas Indonesia (Applicant)

**Program Summary:**

Monday, 27 November 2023	
08.30-12.00	Opening Remarks Keynote Session Plenary Session
13.00-16.30	ACM Discussion
16.30-18.00	Free Discussion (MoU, LOA, Collaboration, etc), Business Matching, etc.
18.30-22.00	Gala dinner
Tuesday, 28 November 2023	
08.30-12.15	ACM20 Meeting: Opening Remarks of ACM20 Meeting General Assembly Member Reports Task force Presentations Closing Remarks of ACM20 Meeting
13.00-17.00	Keynote Session Plenary Session Closing remarks

**Minutes of Meeting:**

- Opening Remarks of the Join Conference (Monday, 27 November 2023, AM)**

The conference was opened by a welcoming speech from Chairman of Indonesia Society of Microorganisms (Dr. Ir. Iman Rusmana M.Si.), remarks speech from Chairman of ACM (Mr. Hayakawa Takuro), and opening remarks from Head of Research Organization of Life Sciences BRIN (Iman Hidayat, Ph. D.).
- ACM Discussion (Monday, 27 November 2023, PM)**

In the Joint Conference, ACM Discussion was facilitated. Seven speakers from ACM and BRIN shared their knowledges and experiences.

  1. Rie Funabiki (NITE Biological Resource Center, Japan), “Digital Sequence Information (DSI) on Genetic Resources”
  2. Dr. Takahide Ishida (National Institute for Environmental Studies, Japan), “Biodiversity Beyond National Jurisdiction (BBNJ), a New Agreement for Conservation and ABS in the High Sea”
  3. Dr. Bayu Adjie (BRIN, Indonesia), “Biodiversity Research in National Research dan Innovation Agency – BRIN”
  4. Mr. Rafael B. Eugenio (University of the Philippines Diliman, Philippines), “Genetic and Genomic Resources: Challenges and Opportunities in the Utilization and Maintenance of the Philippines Culture Collections”
  5. Tri Sundari, S.Si, Apt., M.HS (Director of Management for Research Permit and Innovation Scientific Authorities, Indonesia), “New procedure international research permission of Indonesia”
  6. Prof. Dr. Song-gun Kim (Korean Collection for Type Cultures, Korea), “Report of the World Federation of Culture Collections (ICCC) 15 (with new idea about inter-collection collaboration)”
  7. Dr. Juncai Ma – Institute of Microbiology, Chinese Academy of Sciences (IMCAS) China / WDCM), “TDS – ABS on WDCM”
- Opening Remarks of ACM20 Meeting (Tuesday, 28 November 2023, AM)**



The ACM20 Meeting was opened with the opening remarks by Dr. Bayu ADJIE, M. Sc., Head of Research Center for Biosystematics and Evolution BRIN, Indonesia.

- **General Assembly (Tuesday, 28 November 2023, AM)**

The Chair of this section was Dr. Bayu ADJIE, M. Sc. from BRIN, Indonesia and the facilitator was Ms. Rie FUNABIKI from ACM Secretariat, NBRC, Japan. In the General Assembly, discussion was made regarding the following agenda: 1) Adoption of 19th ACM Minutes, 2) New Membership Applicant, 3) Expiration of the Term -ACM Secretariat- 4) Host for the ACM21, 2024 & ACM 22, 2025, and 5) Commemoration of Two Decades of ACM, and 6) AOB.

**Agenda 1: Adoption of 19th ACM Minutes**

The minutes of ACM19 online meeting hosted by CGMCC, Institute of Microbiology, Chinese Academy of Sciences, China on Tuesday 18 October 2022, was sent to all members by the Secretariat for amendment before the General Assembly. All members agreed on the contents and adopted the minutes.

**Agenda 2: New Membership Applicants**

The following organization applied for a new membership and presented the outline of their organization.

- 1) Universitas Indonesia Culture Collection (UICC), Center of Excellence for Indigenous Biological Resources Genome Studies (CoE IBR-GS), Faculty of Mathematics and Natural Sciences, Universitas Indonesia

All members accepted UICC to be a new member. Therefore, the General Assembly accepted their membership application and granted membership to UICC.

**Agenda 3: Expiration of the Term - ACM Secretariat -**

The 3-year term of the ACM Secretariat would end at ACM21 in 2024. The ACM Secretariat is looking for an organization that would like to take on the role of the Secretariat. If the organization is willing to take on the role, please contact the Secretariat. [acm\\_desk@nite.go.jp](mailto:acm_desk@nite.go.jp).

**Agenda 4: Host for the ACM21 (2024) & ACM22 (2025)**

Biodiversity-Based Economy Development Office (BEDO) of Thailand will host ACM21 in 2024. Details to be shared soon.

KACC will host ACM22 in 2025 in Korea.

**Agenda 5. Commemoration of Two Decades of ACM**

The Secretariat showed commemorative photos of 2 decades of ACM, and all ACM members had a reminiscent moment to commemorate the journey of ACM.

**Agenda 6: AOB**

There was a suggestion that the member reports need not be annual on the grounds that the contents are not updated, but since there was little support for this idea, it wasn't adopted. Many emphasized the importance of human resource development, such as creating opportunities for young people to present their work, which is a common issue to all organizations.

- **Member Reports (Tuesday, 28 November 2023, AM)**

Member reports were presented on annual activities and their achievements from 16 member organizations by poster presentation. The presenters were listed as follows:

1. Bioresource Collection and Research Center (BCRC)
2. Biological Resource Center, National Institute of Technology and Evaluation (NBRC)



3. Bioresource Research Center, Phenikaa University (PU-BRC)
4. Indonesian Centre for Extremophile Bioresources and Biotechnology (ICEBB)
5. Institute of Microbiology and Biotechnology (IMBT), Vietnam National University, Hanoi
6. Institute of Microbiology, Chinese Academy of Sciences (IMCAS)
7. Korean Agricultural Culture Collection (KACC), National Academy of Agricultural Science
8. Korean Collection for Type Cultures/BRC (KCTC), Korea Research Institute of Bioscience and Biotechnology (KRIBB)
9. Malaysian Agricultural Research and Development Institute (MARDI)
10. Microbial Culture Collection (MCC), National Institute for Environmental Studies (NIES)
11. Microbial Culture Collection Unit, Universiti Putra Malaysia (UNiCC)
12. Microbiological Research and Services Laboratory, Natural Sciences Research Institute (NSRI), University of the Philippines, Diliman (UPD)
13. Philippine National Collection of Microorganisms (PNCM), National Institute of Molecular Biology and Biotechnology (BIOTECH), University of the Philippines Los Baños
14. Research Organization for Life Sciences and Environment, National Research and Innovation Agency of Indonesia (BRIN)
15. Universitas Negeri Jakarta Culture Collection (UNJCC)
16. University of Santo Tomas Collection of Microbial Strains (USTCMS), Thomas Aquinas Research Complex

- **Taskforce Presentation (Tuesday, 28 November 2023, AM)**

The Chair of each taskforce presented the annual activity as follows:

1. **Asian BRC Network (ABRCN)**

Dr. Juncai MA reported on the short summary of the highlighted achievements of ACM Catalogue of Strains and WDCM 10 K Type Strain Sequencing Project.

2. **BRC Standardization (BRCS)**

Dr. Hiroko Kawasaki reported on the activities, expected outputs, and schedule of the BRCS-TF.

3. **Human Resource Development (HRD)**

Dr. Kim Song Gun reported on the HRD activities in 2022.

4. **Management of Material Transfer (MMT)**

Dr. Lee Jung Sook summarized the international ABS workshop and activity about the Access and Benefit-sharing (ABS) based on the Nagoya Protocol.

5. **Mutual Aid Association (MAA)**

Dr. Ishida Takahide reported on a new bilateral agreement between mBRCs.

- **Closing Remarks**

ACM20 ended with the closing remarks by Dr. Bayu ADJIE, M. Sc., Head of Research Organization of Life Sciences BRIN/Head of Research Center Biosystematics and Evolution BRIN, Indonesia.

- **APPENDIX 1. Program of ACM20**

<b>SCIENTIFIC PROGRAM SCHEDULE</b>
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**Day 1 - November 27, 2023 (GMT+7) Time in Jakarta, Indonesia**

**Main Room (Diamond, Sapphire, & Ruby room)**

Time (WIB)	Programme
07.30 - 08.30	Registration
08.30 - 08.35	Opening and National Anthem - Indonesia Raya
08.35 - 08.40	Welcoming Speech from Chairman of PERMI (Dr. Ir. Iman Rusmana M.Si.)
08.40 - 08.45	Remarks Speech from Chairman of ACM (Mr. Hayakawa Takuro)



08.45 - 08.50	Opening Remarks from Chairman of National Research and Innovation Agency - BRIN
08.50 - 09.00	<b>Photo session</b>
09.00 - 09.10	<b>Break and poster session</b>
<b>Keynote speaker</b> (Moderator: Harimurti Nuradji, Ph.D.)	
09.10 - 09.40 (30 min)	Prof. Dr. Haruo Watanabe (Japan Agency of Medical Research and Development) "Global health prospective for future pandemics and its role of SATREPS program"
09.40 - 10.10 (30 min)	Prof. dr. Dante Saksono Harbuwono, Sp.PD-KEMD, Ph.D, (Vice Minister of Health Republic of Indonesia) "Strategies and Policies for Recovery in the Post-Pandemic Era from a Health Perspective"
<b>Plenary Session</b> (Moderator: Harimurti Nuradji, Ph.D.)	
10.10 - 10.30 (20 min)	Dr. Shotaro Yamaguchi (Research & Development Director Amano Enzyme, Japan) "Production and Development Microbial Enzymes for Accelerating Sustainable Bioeconomy"
10.30 - 10.50 (20 min)	Dr. Nathan Tirtana (Director, Ethana Biotec Indonesia) "Improving Human Health with Synthetic Biology"
10.50 - 11.10 (20 min)	Frank Y.K. Wong, BSc. Ph. D. (Senior Scientist, ACDP CSIRO, Australia) "Agriculture and Food"
11.10 - 11.40	<b>Q n A</b>
11.40 - 11.50	Sharing session sponsorship (Esco)
11.50 - 12.00	Sharing session sponsorship (PANDU - Illumina)
12.00 - 13.00	<b>Break and poster session</b>
13.00 - 17.30	<b>ACM-20 Discussion, SATREPS-JICA &amp; Parallel Session</b>

**Day 1 – November 27, 2023 (GMT+7) Time in Jakarta, Indonesia**

**Moon stone & Blood stone Room**

**The Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM) Session**

(Moderator: Sugiyono Saputra, Ph. D.)

<b>Time (WIB)</b>	<b>Programme</b>
13.00 - 13.20	Rie Funabiki (NITE Biological Resource Center, Japan) "Digital Sequence Information (DSI) on Genetic Resources"
13.20 - 13.40	Dr. Takahide Ishida (National Institute for Environmental Studies, Japan) "Biodiversity Beyond National Jurisdiction (BBNJ), a New Agreement for Conservation and ABS in the High Sea"
13.40 - 14.00	Dr. Bayu Adjie (BRIN, Indonesia) "Biodiversity Research in National Research dan Innovation Agency – BRIN"
14.00 - 14.20	Mr. Rafael B. Eugenio (University of the Philippines Diliman, Philippines) "Genetic and Genomic Resources: Challenges and Opportunities in the Utilization and Maintenance of the Philippines Culture Collections"
14.20 - 14.30	<b>Break</b>
14.30 - 14.50	Tri Sundari, S.Si, Apt., M.HS (Director of Management for Research Permit and Innovation Scientific Authorities, Indonesia) "New procedure international research permission of Indonesia"
14.50 - 15.10	Dr. Yogesh Sauche (National Center for Cell Science-NCCS , Microbial Culture Collection-MCC, India) "Access and Benefit Sharing of India"
15.10 - 15.30	Prof. Dr. Song-gun Kim (Korean Collection for Type Cultures, Korea) "Report of the World Federation of Culture Collections (ICCC) 15 (with new idea about inter-collection collaboration)"
15.30 - 15.50	Dr. Juncai Ma – Institute of Microbiology, Chinese Academy of Sciences (IMCAS) China / WDCM) "TDS – ABS on WDCM"
15.50 - 16.20	<b>General Discussion</b>
16.20 - 16.30	<b>Break</b>
16.30 - 18.30	Free Discussion (MoU, LOA, Collaboration,etc), Business Matching, etc.
18.30 - 22.00	Gala Dinner



**Day 2 - November 28, 2023 (GMT+7) Time in Jakarta, Indonesia  
Main Room (Diamond, Sapphire, & Ruby room)**

Time (WIB)	Programme
07.30 - 08.30	Registration
08.30 - 12.00	<b>ACM-20 Meeting &amp; Parallel Session</b>
12.00 - 13.00	<b>Break and poster session</b>
<b>Keynote speaker</b> (Moderator: Prof. Dr. I Made Sudiana)	
13.00 - 13.30	Dr. Hiroko Kawasaki (NBRC) (Senior Director of NITE Biological Resource Center, Japan) "Biobank Management System"
13.30 - 14.00	Prof. Dr. Satyawan Pudyatmoko (The Directorate General of Nature Resources and Ecosystem Conservation, Ministry of Environment and Forestry of the Republic of Indonesia) "Natural Resources and Ecosystem Conservation in Accelerating Sustainable Bioeconomy"
<b>Plenary Session</b> (Moderator: Prof. Dr. I Made Sudiana)	
14.00 - 14.20	Prof. Dr. Jean-Luc Mouget (Le Mans Universite, France) "Bioresources and biodiversity"
14.20 - 14.40	Assoc. Prof. Dr. Mohd Rafein Zakaria (Institute of Plant Science, UPM Malaysia) "The Role of Biomethane in Pathway to Net Zero"
14.40 - 15.00	Prof. Dr. Chiaki Ogino (Kobe University, Japan) "Bio Circular Economy"
15.00 - 15.20	Prof. Fenny Martha Dwivany, Ph.D. School of Life Sciences and Technology, Institut Teknologi Bandung) "Application of Multi Omics for Banana Postharvest"
15.20 - 15.40	Dr. Ghulam Jeelani (Graduate School of Medicine, The University of Tokyo) "Metabolomic of parasite infectious Diseases for identification potential drug target"
15.40 - 16.10	<b>Q&amp;A</b>
16.10 - 16.20	Sharing Session Sponsorship (PTPN 3)
16.20 - 16.30	Sharing Session Sponsorship (Esco)
16.30 - 16.35	Sharing Session Sponsorship (Antam)•
16.35 - 16.40	Sharing Session Sponsorship (Sharp)•
16:40	Awards for best poster and oral presenter Closing Ceremony

**Day 2 - November 28, 2023 (GMT+7) Time in Jakarta, Indonesia  
Main Room (Diamond, Sapphire, & Ruby room)**

**The Asian Consortium for the Conservation and Sustainable Use of Microbial Resources  
(ACM) Session**

Time (WIB)	Programme	Chair
08.30 - 09.30	General Assembly for ACM-20 1. Opening Remark 2. Adoption of ACM-19 Minutes 3. New Membership Applicant 4 Expiration of the Term -ACM Secretariat- 5. Host for the ACM21 in 2024 and ACM 22 in 2025 6. Commemoration of Two Decades of ACM. 7. Any Other Business (AOB)	Dr. Bayu Adjie, M. Sc.*
09.30 - 11.00	Member Reports 1. Biological Resource Center, National Institute of Technology and Evaluation (NBRC) Japan 2. Bioresource Collection and Research Center (BCRC) Chinese Taipei 3. Bioresource Research Center, Phenikaa University (PU-BRC) Vietnam 4. Indonesian Centre for Extremophile Bioresources and Biotechnology (ICEBB) Indonesia 5. Institute of Microbiology and Biotechnology (IMBT), Vietnam National University, Hanoi Vietnam	Prof. Dr. Puspita Lisdiyanti, M. Agr. Chem.

	6. Institute of Microbiology, Chinese Academy of Sciences (IMCAS) China 7. Korean Agricultural Culture Collection (KACC), National Academy of Agricultural Science Korea 8. Korean Collection for Type Cultures/BRC (KCTC), Korea Research Institute of Bioscience and Biotechnology (KRIBB) Korea 9. Malaysian Agricultural Research and Development Institute (MARDI) Malaysia 10. Microbial Culture Collection (MCC), National Institute for Environmental Studies (NIES) Japan 11. Microbial Culture Collection Unit, Universiti Putra Malaysia (UNiCC) Malaysia 12. Microbiological Research and Services Laboratory, Natural Sciences Research Institute (NSRI), University of the Philippines, Diliman (UPD) Philippines 13. Philippine National Collection of Microorganisms (PNCM), National Institute of Molecular Biology and Biotechnology (BIOTECH), University of the Philippines Los Baños Philippines 14. Research Organization for Life Sciences and Environment, National Research and Innovation Agency of Indonesia (BRIN) Indonesia 15. Universitas Negeri Jakarta Culture Collection (UNJCC) Indonesia 16. University of Santo Tomas Collection of Microbial Strains (USTCMS), Thomas Aquinas Research Complex Philippines	
11.00 - 12.15	Task force Presentations (15 minutes each with discussion) 1. Asian BRC Network (Dr. Juncai MA) 2. BRC Standardization (Dr. Hiroko Kawasaki) 3. Human Resource Development (Dr. Song-Gun Kim) 4. Management of Material Transfer (Dr. Lee Jung Sook) 5. Mutual Aid Association (Dr. Takahide Ishida)	
12.15-12.20	Closing remark	Dr. Bayu Adjie, M. Sc.*
12.20 - 13.00	<b>Break</b>	

**Day 3 - November 29, 2023 (GMT+7) Time in Jakarta, Indonesia**  
**The Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM) Session**

Time (WIB)	Programme	PI
08.00	Departure from Lobby Sahira Hotel using Bus	Tika, Dimas and Aini
08.00-10.30	Visit Bogor Botanical Garden	Tika
10.30-11.00	Departure to Cibinong	Dimas and Aini
11.00-12.30	Lunch and Praying in Resto Kampung Kecil	Dimas and Aini
12.30-13.00	Departure to Science Techno Park Soekarno	Dimas and Aini
13.00-15.00	Visit Genomic Laboratory	Ario
15.00-16.30	Visit Scientific Collection	Dr. Ratih Damayanti

**• APPENDIX 2. List of Participants of**

**1. List of VIP and Speakers in whole conference**

No.	Name	Institution
2	Dr. Iman Hidayat	Chairman of Research Organization for Life Science and Environment, BRIN
5	Dr. Bayu Adjie	Head of Reseach Center for Biosystematics and Evolution, BRIN
6	Dr. Ahmad Fathoni	Head of Reseach Center for Applied Microbiology, BRIN
7	Dr. Ratih Asmana Ningrum	Head of Reseach Center for Genetics Engineering, BRIN
8	Dr. Ratih Damayanti	Director of Scientific Collection Management, BRIN

9	Dr. Harimurti Nuradji	Head of Reseach Center for Veteriner, BRIN
12	Dr. Iman Rusmana	Head of The Indonesian Society for Microbiology (PERMI)
13	Mr. Jules Irrmann	Director of IFI and Counsellor of Cooperation Embassy of France in Indonesia
14	Mr. Thierry Goubier,	Attaché for Scientific and Technological Cooperation Embassy of France in Indonesia
15	Ms. Stefany Claudia	Deputy Attaché for Scientific and Technological Cooperation Embassy of France in Indonesia
16	Prof. Haruo Watanabe	Japan Agency of Medical Research and Development, Japan
17	Prof. dr. Dante Saksono Harbuwono, Sp.PD-KEMD, Ph.D	Vice Minister of Health Republic of Indonesia
18	Dr. Hiroko Kawasaki	Senior Director of NITE Biological Resource Center, Japan
19	Prof. Dr. Satyawan Pudyatmoko	Director General of Nature Resources and Ecosystem Conservation, Ministry of Environment and Forestry of the Republic of Indonesia
20	Dr. Shotaro Yamaguchi	CTO, Managing Director of Innovation, Amano Enzyme Inc, Japan
21	Dr. Nathan Tirtana	Ethana Biotechnologies Indonesia
22	Dr. Frank Wong	Senior Scientist, ACDP CSIRO, Australia
23	Prof. Dr. Chiaki Ogino	Kobe University, Japan
24	Assoc. Prof. Dr. Mohd Rafein Zakaria	Institute of Plant Science, UPM Malaysia
25	Prof. Dr. Jean-Luc Mougeot	Le Mans Universite, France
26	Prof. Fenny Martha Dwivany	School of Life Sciences and Technology, Institut Teknologi Bandung, Indonesia
27	Dr. Ghulam Jeelani	Graduate School of Medicine, The University of Tokyo, Japan
28	Tri Sundari, S.Si., Apt., M.HS	Acting Director of Management for Research Permit and Innovation Scientific Authorities BRIN, Indonesia
29	Rie Funabiki	NITE Biological Resource Center, Japan
30	Dr. Takahide Ishida	National Institute for Environmental Studies, Japan
31	Prof. Dr. Song-Gun Kim	Korean Culture Collection for Type Cultures, Korea
32	Rafael B. Eugenio	National University of Philippines Culture Collection – UPCC, Philippines
33	Dr. Juncai Ma	nstitute of Microbiology, Chinese Academy of Sciences (IMCAS), China / WDCM
34	Prof. Dr. Andria Agusta	Research Organization for Health, National Research and Innovation Agency (BRIN), Indonesia
35	Prof. Dr. Ikuo Kojima	Akita University, Japan
36	Prof. Sohkichichi Matsumoto	Niigata University, Chair of Japanese Mycobacterial Disease Panel, Japan
37	Assoc. Prof. Dr. Daniel Ken Inaoka	Institute of Tropical Medicine, Nagasaki University, Japan
38	Assoc. Prof. Dr. Yuta Tsunematsu	Graduate School of Bioagricultural Sciences, Nagoya University, Japan
39	Andriansjah, S.Si., M.Biomed., Ph.D.	University of Indonesia, Indonesia
40	Assoc. Prof. Dr. Yeun-Mun Choo	University of Malaya, Malaysia
41	Prof. Chm. Dr. Zurina Shaameri	Centre of Chemical Synthesis and Polymer Technology, Institute of Science, Universiti Teknologi Mara, Malaysia
42	Prof. Nozaki Tomoyoshi	The University of Tokyo
43	Dr. Mori Mihoko	The University of Tokyo
44	Dr. Dobashi Kazuyuki	The University of Tokyo
45	Prof. Shibata Norio	The University of Tokyo
46	Dr. Sumii Yuji	The University of Tokyo
47	Mr. Okamura Kenji	JICA Indonesia Office
48	Ms. Ito Yuko	JICA SATREPS ADD
49	Dr. Rozana Othman	UM, Malaysia
50	Ms.Ruwaida bt Shamsujunaidi	UiTM, Malaysia
51	Mr. Tan Ke Han	UM, Malaysia
52	Ms. Nur Aina Najiha binti Amin Hapis	UM, Malaysia
53	Ms. Nik Nur Solehah Fitri binti Nik Mohd Azam	UM, Malaysia
54	Dr. Huda Shalahudin Darusman	IPB Univ
55	Dr. Uus Saepuloh	IPB Univ

## 2. List of participants in ACM Discussion and ACM Meeting



No	Country	Name	Affiliation
1	China	Juncai Ma	China General Microbiological Culture Collection Center, Institute of Microbiology, Chinese Academy of Sciences
2	China	Man Cai	China General Microbiological Culture Collection Center, Institute of Microbiology, Chinese Academy of Sciences
3	China	Zhiyong Ruan	The Institute of Agricultural Resources and Regional Planning of the Chinese Academy of Agricultural Sciences
5	Indonesia	Ali Budhi Kusuma	Indonesian Centre for Extremophile Bioresources and Biotechnology (ICEBB), Faculty of Life Sciences and Technology, Sumbawa University of Technology
6	Indonesia	Dalia Sukmawati	UNJCC (Universitas Negeri Jakarta Culture Collection)
7	Japan	Takahide Ishida	NIES
8	Japan	Yoshiko ITO	Biological Resource Center, National Institute of Technology and Evaluation (NBRC)
9	Japan	Hiroko KAWASAKI	Biological Resource Center, National Institute of Technology and Evaluation (NBRC)
10	Japan	Chise MORIYA	Biological Resource Center, National Institute of Technology and Evaluation (NBRC)
11	Japan	Hiroshi KINOSHITA	Biological Resource Center, National Institute of Technology and Evaluation (NBRC)
12	Japan	Rie FUNABIKI	Biological Resource Center, National Institute of Technology and Evaluation (NBRC)
13	Japan	Takuro HAYAKAWA	Biological Resource Center, National Institute of Technology and Evaluation (NBRC)
14	Korea	Jung-Sook Lee	Korea Research Institute of Bioscience and Biotechnology (KRIBB)
15	Korea	Song Gun Kim	Korea Research Institute of Bioscience and Biotechnology (KRIBB)
16	Malaysia	Zunita Zakaria	Universiti Putra Malaysia
17	Malaysia	Jeffrey Lim Seng Heng	MARDI
18	Phillipine	Armi Creencia	Philippine National Collection of Microorganisms
19	Phillipina	Nik Shawn C. Tabao	Philippine National Collection of Microorganisms
20	Phillipine	Gina R. Dedeles	University of Santo Tomas Collection of Microbial Strains
21	Phillipine	Mark Kevin P. Devanadera	University of Santo Tomas Collection of Microbial Strains
22	Phillipine	Dr. Rafael B. Eugenio	Natural Sciences Research Institute, University of the Philippines Diliman
23	Taiwan	Sung-Yuan, Hsieh	Bioresources Collection and Research Center, Food Industry Research and Development Institute
24	Taiwan	Li-Ting Wang	Bioresource Collection and Research Center (BCRC), Address: 331, Shih-Pin Rd., Hsinchu 300193, Taiwan
25	Taiwan	Fu-Ling Chan	Bioresource Collection and Research Center (BCRC), Address: 331, Shih-Pin Rd., Hsinchu 300193, Taiwan
26	Taiwan	Chia-Yi Yu	National Institute of Infectious Diseases and Vaccinology, National Health Research Institutes
27	Taiwan	Hsiu-Jung Lo	National Institute of Infectious Diseases and Vaccinology, National Health Research Institutes
28	Vietnam	Nguyen Hong Minh	Phenikaa University
29	Vietnam	Nguyen Viet Ha	Vietnam Type Culture Collection, Institute of Microbiology and Biotechnology, Vietnam National University
30	Vietnam	Trinh Thanh Trung	Vietnam Type Culture Collection, Institute of Microbiology and Biotechnology, Vietnam National University
31	Vietnam	Dr. Hoang Thi Lan Anh,	Head of Vietnam Type Culture Collection, Institute of Microbiology and Biotechnology, Vietnam National University, Hanoi.
32	Korea	Seung-Beom Hong	National Institute of Agricultural Science

#### Observer

No.	Name	Affiliation
1	Dr.rer.nat. Bodhi Dharma, S.Si., M.Si	Depertemen Biologi, Fakultas Matematika dan Ilmu Pengetahuan Alam (FMIPA), Universitas Mulawarman
2	Wellyzar Sjamsuridzal M.Sc, Ph.D.	Universitas Indonesia
3	Dr. Ni'matuzahroh	Universitas Airlangga
4	Prof. Dr. Nining Betawati Prihantini, M.Sc.	Universitas Indonesia
5	Indra Maulana, S.Si	IPB Culture Collection
6	Kemala S. Nagur, S.Si, M.Si	Badan POM
7	Prof.Dr.Ir. Endang Sutriswati Rahayu MS	Universitas Gadjah Mada

8	Prof. Ir. I Nengah Sujaya, M.Agr.Sc., Ph.D.	Universitas Udayana
9	Yan Evan, S.Pi. M.Si.	Balai Pengujian Kesehatan Ikan dan Lingkungan (BPKIL) Serang
10	Ir Elizabeth Caroline Situmorang MSi	PT SMART Tbk, Sinarmas Group
11	Salmah Shahab S.P.	Indonesian Center for Biodiversity and Biotechnology (ICBB)
12	Drh Ika Kartika Syarifah, M.Si	Balai Pengujian Mutu dan Sertifikasi Produk Hewan Bogor
13	Dr. Miftahul Iلمي, M.Si.	Fakultas Biologi UGM
14	Umi Nuraeni	SNSU MRB BSN
15	Dini Apriori, M.ENvSci	Badan Standardisasi Nasional
16	Dr. Shanti Ratnakomala	PRBE BRIN
17	Dr. Ainissya Fitri	Pusat Riset Zoologi Terapan BRIN
18	Dr. Ki Ageng Sarwono, S.Pt., M.Sc., M.IL.	Pusat Riset Zoologi Terapan BRIN
19	Prof. Dr. Yantyati Widyastuti	Pusat Riset Zoologi Terapan BRIN
20	Prof. Dr. I Made Sudiana	BRIN
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