



## **Minutes of the 11th Meeting of the Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM)**

**Date:** October 29(Wed) ~31(Fri), 2014

**Meeting Venue:** Hotel Prima and KINTEX, Seoul, Korea

**Meeting Homepage:** <http://acm11.knrrc.or.kr>

**Participants:** 39 persons of 18 organizations from 12 countries

Members: Total of 17 organizations from 11 countries participated.

(Listed in an alphabetical order)

1. Biological Resource Center, National Institute of Technology and Evaluation (NBRC), Japan
2. Indonesian Institute of Sciences (LIPI), Indonesia
3. Institute of Biology, Mongolian Academy of Sciences (IB-MAS), Mongolia
4. Institute of Microbiology and Biotechnology, Vietnam National University, Hanoi (VNUH), Vietnam
5. China General Microbiological Culture Collection Center(CGMCC), Institute of Microbiology, Chinese Academy of Sciences (IMCAS), China
6. Japan Collection of Microorganisms (JCM), RIKEN BioResource Center (RIKEN BRC), Japan
7. Korean Agricultural Culture Collection (KACC), National Academy of Agricultural Science, Korea
8. Korean Collection for Type Cultures/BRC, Korea Research Institute of Bioscience and Biotechnology (KCTC), Korea
9. Korea National Research Resource Center (KNRRC), Korea  
\*Host organization
10. Malaysian Agricultural Research and Development Institute (MARDI), Malaysia
11. Microbial Type Culture Collection and Gene Bank (MTCC), Institute of Microbial Technology (IMTECH), Council of Scientific and Industrial Research (CSIR), India
12. Microbiological Resource Center (MIRCEN), Thailand Institute of Scientific and Technological Research (TISTR), Thailand
13. National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency (NSTDA), Thailand
14. National Steering Committee for Biosafety, Ministry of Environment (MOE), Cambodia
15. Microbial Culture Collection at the National Institute for Environmental Studies (MCC-NIES), Japan
16. Philippine National Collection of Microorganisms (PNCM), National Institute of Molecular Biology and Biotechnology (BIOTECH), University of the Philippines Los Baños, Philippines
17. University of Santo Tomas Collection of Microbial Strains (USTCMS), Thomas Aquinas Research Complex, Philippines



Observers: 1 organization from Taipei participated

1. Bioresource Collection and Research Center (BCRC), Food Industry R&D Institute, Chinese Taipei

**Program summary (Detailed schedule is in Appendix 1):**

1. Welcome Reception
2. ACM Symposium 1. Exploiting the Microbial Resources
3. ACM Symposium2. Member Reports
4. Task Force Meetings
5. General Assembly
6. Tour

**1. Welcome Reception [Oct. 29(Wed), Hotel Prima]**

Chairperson of 11<sup>th</sup> ACM Meeting, Prof. Yeonhee Lee, Director-General, KNRRRC, welcomed the members to Korea and to the 11<sup>th</sup> Meeting followed by introduction of participants and dinner.

**2. ACM Symposium 1 [Oct. 30(Thu), KINTEX]**

The ACM symposium was held in conjunction with the '2014 International Meeting of the Federation of Korean Microbiological Societies (FKMS)' and the theme of ACM symposium was "Exploiting the Microbial Resource". Prof. Yeonhee Lee chaired the session and 4 speakers gave lectures on various topics.

- **Ken-ichiro SUZUKI** Acting Director-General, Biological Resource Center, National Institute of Technology and Evaluation, Japan  
*"Current status and future prospective of ACM"*
- **Byungyoung KANG** Senior Vice President / Head of Skincare Research Institute, Amore Pacific R&D Center, Korea  
*"Applications of microbial fermentation and enzymatic biotransformation in cosmetic industry"*
- **Moriya OHKUMA** Head of Microbe Division, Japan Collection of Microorganisms (JCM), RIKEN BioResource Center, Japan  
*"Analysis of the utilization of microbial resources distributed from JCM"*
- **Won-Hee LEE** Patent Attorney/CEO, Won International Patent & Law Firm, Korea  
*"Patent Strategies for Biotechnology"*

**3. ACM Symposium2. Member Reports [Oct. 30(Thu), KINTEX]**

Seventeen member organizations and one observer organization (BCRC) reported their recent activities.

**4. Task Force Meetings [Oct. 31(Fri), Hotel Prima]**

- Task Force on Asian Biological Resource Center Network (ABRCN)

Dr. Ken-ichiro Suzuki, NBRC reported on Asian BRC Network (ABRCN, [www.abrcn.net](http://www.abrcn.net)) Online Catalogue and Global Catalogue of Microorganisms (GCM, [gcm.wfcc.info](http://gcm.wfcc.info)). On



behalf of deputy chair Dr. Juncai Ma, Dr. Suzuki explained current status and contribution to the World Data Center of Microorganisms (WDCM), IMCAS. He introduced the prototype of ABRCN data portal and encouraged ACM members to join the ABRCN catalogues as well as GCM. Also he emphasized taskforce members should require all CCs regularly update their data in ABRCN data portal to provide fresh data on the website.

- Task Force on Human Resource Development (HRD)

Chairperson Dr. Rosario G. Monsalud, BIOTECH reported on the training programs for culture preservation, quality control and microbiological testing laboratory analysis at the Philippine National Collection of Microorganisms (PNCM) from February to October in 2014. Dr. Duong Van Hop reported on human resources development activities in Vietnam. VTCC organized a number of seminars on different topics in 2014 and they sent 2 young scientists to NBRC, Japan for training courses for one month. Also he announced the 3<sup>rd</sup> ACM International Training “Workshop on Quality Control of Microbial Fertilizers” would be held on March 11~13, 2015 in Institute of Microbiology and Biotechnology (IMBT), Vietnam National University, Hanoi, Vietnam organized by ACM, IMBT and SEARCA.

- Task Force on Management of Material Transfer of Biological Resource (MMT)

Chairperson Dr. Katsuhiko Ando, NBRC reported that paper on the “Network of International Exchange of Microbes in Asia under ACM (NIEMA)” had been published in the Journal “Microbiology and Culture Collections” and the side-event on NIEMA had been held at COP12/MOP1 held in Pyeongchang, Korea. In addition, he informed ACM members that two changes were made: 1) Network of International Exchange of Microbes in ASIA (NIEMA) was changed to Network of International Exchange of Microbes under the ACM (NIEMA), 2) Scope of the NIEMA strains was changed from type strains to microbial strains including bacteria, archaea, fungi, algae, etc.

**5. General Assembly [Oct. 31(Fri), Hotel Prima]**

Dr. KyungsookAhn, KNRRRC and Dr. Enny Sudarmonowati, LIPI chaired the meeting and 8 agenda items were discussed.

- Agenda1: Adoption of 10th ACM minutes

Dr. Yuguang Zhou, CGMCC, IMCAS reported on the 10th annual meeting hosted by IMCAS, Beijing, China in 2013.

- Agenda 2: Information Sharing: COP12-MOP1 & ISO standard

Dr. Tae EunJin, KRIBB and Dr. Manabu Suto, NBRC reported on COP12 and MOP1 which were held in October 13~17, 2014 in Pyeongchang, Korea. The first meeting of the Conference of the Parties serving as the Meeting of the Parties to the Nagoya Protocol on Access and Benefit-sharing (COP/MOP 1) convened concurrently with the twelfth meeting of the Conference of the Parties (COP 12) to the Convention on Biological Diversity (CBD) in that 3,000 delegates participated. Dr. Hiroko Kawasaki, NBRC reported on the activities of ISO/TC 276 Biotechnology.

- Agenda 3, 4: ACM Administrative Rule: Proposal of emendation and new membership

ACM secretariat, Dr. Hiroko Kawasaki, explained background of ACM administrative rules and suggested emendation of focal point and revision of membership rules. Two organizations (National Agricultural Research Centre (PARC), Pakistan and Bioresource Collection and Resource Center, Food Industry R&D Institute, Taiwan) applied for the ACM membership. Participants discussed these proposals but the consensus was not reached. The secretariat will gather the members' opinions via email.



- Agenda5: Result of ACM-Logo Contest  
Out of 18 entries, the design by Ms. Jiyoung Eom, KNRRC was selected as winner for the ACM-Logo Contest. Mr. Noto presented the award to Ms. Eom.
  
  - Agenda 6: Proposal & Adoption of Host organization/country for ACM 13 (2016)  
Two members, Microbial Type Culture Collection and Gene Bank (MTCC), India and National Steering Committee for Biosafety, Ministry of Environment (MOE), Cambodia proposed to host the 13th ACM meeting in 2016. Participants will vote for the hosting organization via email.
  
  - Agenda 7: Report about publicity activities  
ACM brochure was undated on 2014 and the ACM secretariat distributed brochures to participants. ACM members were encouraged to utilize the pamphlet to promote ACM activities in their countries.
  
  - Agenda 8: Announcement of ACM12  
The next ACM meeting will be hosted by Indonesian Institute of Sciences (LIPI) from October 8 to 10, 2015 in Jakarta, Indonesia.
- 6. Tour** [Oct. 31(Fri), National Institute of Biological Resources]  
35 participants attended tour for National Institute of Biological Resources, Incheon. They look around exhibition halls; 1) Diversity of Native Species of Korea, 2) Major Ecosystem in Korea, 3) Biodiversity Conservation and Use of Biological Resources as well as 3 Storage Facilities; 1) Plants, 2) Genetic Resources, 3) Animals.



**APPENDIX 1: Program of the 11<sup>th</sup> Asian Consortium for the Conservation and Sustainable Use of Microbial Resources (ACM10)**

<b>Oct. 29 (Wed) Hotel Prima</b> (Noblesse A Hall, 6th Floor, New Building)	
18:30-20:00	Welcome Reception
<b>Oct. 30 (Thu) [OPEN] KINTEX</b> (Room 302, Exhibition Center 1) <2014 International Symposium of the Federation of Korean Microbiological Societies>	
<b>ACM Symposium I</b>  <b>Exploiting the Microbial Resources</b> 09:00-11:00	<b>[Convener] Yeonhee LEE</b> Director General, Korea National Research Resource Center, Korea  <b>1. Ken-ichiro SUZUKI</b> Acting Director-General, Biological Resource Center, National Institute of Technology and Evaluation, Japan <i>“Current status and future prospective of ACM”</i> <b>2. Byungyoung KANG</b> Senior Vice President / Head of Skincare Research Institute, Amore Pacific R&D Center, Korea <i>“Applications of microbial fermentation and enzymatic biotransformation in cosmetic industry”</i> <b>3. Moriya OHKUMA</b> Head of Microbe Division, Japan Collection of Microorganisms (JCM), RIKEN BioResource Center, Japan <i>“Analysis of the utilization of microbial resources distributed from JCM”</i> <b>4. Won-Hee LEE</b> Patent Attorney/CEO, Won International Patent & Law Firm, Korea <i>“Patent Strategies for Biotechnology”</i>
	11:00-11:45 <b>FKMS Plenary Lecture 1</b> (Grand Ballroom A, 3rd Floor)
	11:45-13:00 <b>Lunch</b>
	13:00-13:45 <b>FKMS Plenary Lecture 2</b> (Grand Ballroom A, 3rd Floor)
<b>ACM Symposium II</b>  <b>Member Reports</b> 13:50-15:20	<b>[Convener] Hiroko KAWASAKI</b> Deputy-director, Biological Resource Center, National Institute of Technology and Evaluation, Japan  <b>ACM Member Reports</b> (10~15 min/each) 1. National Steering Committee for Biosafety, Ministry of Environment (Cambodia) 2. Institute of Microbiology, Chinese Academy of Sciences (China) 3. Microbial Type Culture Collection and Gene Bank (India) 4. Indonesian Culture Collection (Indonesia) 5. Japan Collection of Microorganisms, RIKEN BioResource Center (Japan) 6. Korean Collection for Type Cultures (Korea) 7. Malaysian Agricultural Research and Development Institute (Malaysia) 8. Korea National Research Resource Center (Korea)
15:20-15:40 <b>Coffee Break</b>	
<b>ACM Symposium</b>	<b>[Convener] Kyungsook AHN</b> Department Manager, Korea National Research Resource Center, Korea

<b>II</b>  <b>Member Reports</b> 15:40-17:40	9. Biological Resource Center, National Institute of Technology and Evaluation (Japan) 10. Korean Agricultural Culture Collection (Korea) 11. Institute of Biology, Mongolian Academy of Sciences (Mongolia) 12. Microbial Culture Collection, National Institute for Environmental Studies (Japan) 13. National Institute of Molecular Biology and Biotechnology, University of the Philippines Los Banos (Philippines) 14. National Center for Genetic Engineering and Biotechnology (Thailand) 15. University of Santo Tomas, Collection of Microbial Strains (Philippines) 16. Microbiological Resource Center, Thailand Institute of Scientific and Technological Research (Thailand) 17. Institute of Microbiology and Biotechnology, Vietnam National University, Hanoi (Vietnam) 18. Bioresource Collection and Research Center, Food Industry R&D Institute (Taiwan)
17:45-18:30	<b>FKMS Plenary Lecture 3</b> (Grand Ballroom A, 3rd Floor) <b>Ken-ichiro SUZUKI</b> Acting Director-General, Biological Resource Center, National Institute of Technology and Evaluation, Japan  <i>"The Role of BRCs as the Infrastructure of the Prokaryote Taxonomy"</i>
18:30-20:00	<b>Dinner</b>

<b>Oct. 31 (Fri) [CLOSED] Hotel Prima (Noblesse A Hall, 6th Floor, New Building)</b>	
09:00-10:30	<b>ACM Task Force Meeting</b> - Asian Biological Resource Center Network (ABRCN) Task Force - Human Resource Development (HRD) Task Force - Management of Material Transfer (MMT) Task Force
10:30-12:00	<b>General Assembly</b> - Adoption of the 10th ACM Meeting Minutes - Information Sharing: COP12-MOP1 & ISO Standard - ACM Administrative Rule: Proposal of Emendation - Proposal of New Membership - Result of ACM-Logo Contest - Proposal & Adoption of Host organization/country for the ACM 13 (2016) - Request from Three Task Forces (Tentative) - Report about Publicity Activities - Others - Announcement of the ACM12
12:00-13:30	<b>Lunch</b>
13:30-18:00	<b>Tour</b> (National Institute of Biological Resources)