

# ACM22

The 22<sup>nd</sup> Asian Consortium  
for the Conservation and  
Sustainable Use of  
Microbial Resource Meeting

May 21–23, 2025, Korea

## • Organizers

NAS (National Institute of Agricultural Sciences) & ACM

## • Sponsors

RDA (Rural Development Administration) & Ministry of  
Science and ICT

## • Venue

RDA International Conference Hall & Lahan Hotel Jeonju,  
Jeonju, Korea

## • Program

- General Assembly of ACM22
- Symposia
  - Microbial resource center
  - Microbial fertilizer and pesticide
  - Microbiome biobank
  - Free topic session
- Tour of RDA & Experience of Korean Culture

## Program

Date	Time	Title	Speakers	Country
May 21. (Wed) RDA, Confer- ence Hall	10:00–10:30	Opening Ceremony		
	Microbial Resource Centers in the World			
	10:30–11:10	Current Status and Prospects of Culture Collections in Microbiology	Kenichiro Suzuki	Japan
	11:10–11:50	The Microbial Data Management and Application	Junca Ma	China
	11:50–12:30	Microbial Preservation : Techniques, Application and Management	Masanori Sato	Japan
	12:30–13:30	Lunch		
	Biological Resource Management in the Country			
	13:30–14:00	Recent Progress of IM-CAS on Microbial Resources	Qian Wei	China
	14:00–14:30	Management of Bio-resources in Korea	Tae-Eun Jin	Korea
	14:30–15:00	Journey of the past 30 years and future plans of the Korean Agricultural Culture Collection (KACC)	Seung-Beom Hong	Korea
	15:00–15:30	Coffee Break		
	Research and Application of Microbial Fertilizer & Pesticide			
	15:30–16:10	Natural Products for Sustainable Production Patterns : From the Lab to the Field	Pam Marrone	U.S.A.
	16:10–16:35	Advanced Research on Bioproducts from Fungal Metabolites as Agricultural Inputs for Modern Organic Agriculture and Certification	Kasem Soyong	Thailand
	16:35–17:00	Fostering Agricultural Sustainability in India: Culture Repositories in Microbial Product Research and Market Innovation	Hilloil Chakdar	India
	17:00–17:25	Research and Markets of Microbial Fertilizer and Pesticide in China	Hailei Wei	China
	17:25–17:50	A Brief History of the Development of Bioprotectants and Biofertilizers in S. Korea	Choong-Min Ryu	Korea
	18:00–20:00	Dinner		
May 22 (Thu) Lahan Hotel	General Assembly of ACM22			
	09:00–12:00	General Assembly of ACM22, Member Report, T/F Report		ACM
	12:00–13:00	Lunch		
	Microbiome Biobank			
	13:10–13:50	The UK Crop Microbiome Biobank - Approaches to Cryopreservation and Data Curation	Matthew Ryan	U.K.
	13:50–14:20	Korean Gut Microbiome Bank (KGMB)	Jung-Sook Lee	Korea
	14:20–14:50	BCRC Gut Microbiome Bank: Discovery, Exploration and Application of Novel Gut Microbial Resources	Sung-Yuan, Hsieh	Chinese Taipei
	14:50–15:20	Development of Mock Communities (Microbial Cocktail) as Control Regents for Accurate Microbiome Community Measurements	Hiroko Kawasaki	Japan
	15:20–15:50	Coffee Break		
	Free Topics			
	15:50–16:10	Developing a Smart Community Biobank Database Using AI and Intelligent Service Platforms	Natthiya Kongphuthorn	Thailand
	16:10–16:30	Toward Enhancing the Global Flow of Genetic Resources : Challenges Addressed by the ABS Support Office at NIG	Mutsuaki Suzuki	Japan
	16:30–16:50	Harnessing Microbial Biodiversity in Culture Collections : Pioneering Anaerobic and Aerobic Pathways for Renewable Energy and Industrial Metabolites Innovation	I Made Sudiana	Indonesia
	16:50–17:10	Challenges and Way Forward of National Depository Authority (NDA) in Malaysia	Zunita Zakaria	Malaysia
May 23 (Fri)	17:10–17:30	Enhancing the UPCC Yeast Identification: Insights from ITS1/4 and D1D2 Gene Markers	Rafael B. Eugenio	Philippines
	17:30–17:50	Shotgun Metagenomic Approach for Studying Microbiome in Shrimp Aquaculture in Vietnam	Ha Nguyen	Vietnam
	09:00–12:00	Tour of RDA		
	12:00–13:00	Lunch		
	13:00–16:00	Experience of Korean Cultures (Jeonju Hanok Village)		

## • Keynote Speakers



**Dr. Kenichiro Suzuki**  
Tokyo Univ. Agr.(Japan)  
Current Status and Prospects of  
Culture Collections in Microbiology



**Qian Wei**  
IMCAS (China)  
Recent Progress of IM-CAS on Microbial  
Resources



**Pam Marrone**  
Marrone Bio Innovations (U.S.A.)  
Natural Products for Sustainable Production  
Patterns. From the lab to the Field



**Matthew Ryan**  
CABI (U.K.)  
The UK Crop Microbiome Biobank –  
Approaches to Cryopreservation  
and Data Curation

