



19-21 NOV 2024, Thailand



# The 21<sup>st</sup> Asian Consortium for the Conservation and Sustainable Use of Microbial Resources Meeting

## DAY 1

### 19<sup>TH</sup> November 2024

09:00-09:25 Opening Remark and Keynote Speech "Conservation and Utilization of Bioresources"  
Speaker: Mrs. Suwanna Tiansuwan, Director General

Biodiversity-based Economy Development Office (BEDO), Thailand

09:25-10:00 Keynote Lecture: How Exploration of Yeast Biodiversity Aids Yeast Taxonomy and Yeast Biotechnology?

Speaker: Prof. Dr. Savitree Limtong

Department of Microbiology, Kasetsart University, Thailand

10:00-10:40 Coffee Break and Session of Interesting Topics [Poster Presentation]

11 Floor, Jubilee,  
The Berkeley Hotel Pratunam,  
Bangkok, Thailand

#### Session of Interesting Topics [Oral Presentation 1]

10:40-11:00 Development of Integrated Bio-circular Economy from Food and Energy Estate Waste Fraction to Bio-fuel and Bio-chemicals Using Microorganisms.

Speaker: Prof. Dr. Puspita Lisdiyanti

National Research and Innovation Agency, Indonesia

11:00-11:20 Application of Biosolids with PGPR Cocktails as Biofertilizer in Landscape Plants.

Speaker: Assoc. Prof. Dr. Geok Hun Tan

Institute of Bioscience, Universiti Putra Malaysia, Malaysia

11:20-11:40 Streptomyces spp., a Potential Source of Bioactive Metabolites for Applications in Sustainable Agriculture.

Speaker: Dr. Hillol Chakdar

National Agriculturally Important Microbial Culture Collection, India

11:40-12:00 COP 16 Report

Speaker : Dr. Takahide Ishida

National Institute for Environmental Studies, Japan

12:00-13:00 Lunch

#### Session of Interesting Topics [Oral Presentation 2]

13:00-13:20 Community Biobank (BRC Management)

Speaker: Dr. Namphung Vongvanich

Biodiversity-based Economy Development Office (BEDO), Thailand

13:20-13:40 Korean Agricultural Culture Collection (KACC), Infrastructure of Agricultural and Food Microbial Industries

Speaker: Dr. Seung Beom Hong

Korean Agricultural Culture Collection, Rural Development Administration, Republic of Korea

13:40-14:00 Current Status and Development Trend of Strain Preservation in China

Speaker: Prof. Yajing YU

Executive Director of China General Microbiological Culture Center (CGMCC), China

14:00-14:20 Development of Long-term Preservation Methods for Microorganisms: Focusing on Fungi and Algae

Speaker: Dr. Kaoru Yamaguchi

Biological Resource Center, National Institute of Technology and Evaluation (NBRC), Japan

14:20-14:40 Experience Sharing on Implementation of Laboratory Accreditation in Malaysia

Speaker: Dr. Zunita Zakaria

Universiti Putra Malaysia Microbial Culture Collection, Malaysia

14:40-15:20 Coffee Break and Members' Report [Poster Session]

#### Session of Interesting Topics [Oral Presentation 3]

15:20-15:40 Azole-resistant Candida tropicalis Clade 4 Genotype Wildly Spreads in Asia

Speaker: Dr. Hsiu-Jung Lo

National Infectious Diseases Bank (NIDB), Chinese Taipei

15:40-16:00 Marine Microorganisms as Biofactories: Tapping Their Potential for Enhanced Feed Development

Speaker: Dr. Mark Kevin Devanadera

University of Santo Tomas Collection of Microbial Strains (USTCMS), Philippines

16:00-16:20 Diversity of Lactic Acid Bacteria in Traditional Fermented Sausages and Their Potential Use for Starter Culture

Speaker: Dr. Ha Nguyen

Institute of Microbiology and Biotechnology, Vietnam National University (VTCC), Vietnam

16:20-16:40 Visualization and Utilization of the Microorganisms Involved in Traditional Japanese Fermented Foods (sake-manju) for Quality Improvement and Quality Control

Speaker: Dr. Mika Miyashita

Biological Resource Center, National Institute of Technology and Evaluation (NBRC), Japan

18:30-20:00 Welcome Dinner for ACM and AAAF



[www.acm-mrc.asia](http://www.acm-mrc.asia)



[www.bedo.or.th](http://www.bedo.or.th)



BEDO Thailand



# The 21<sup>st</sup> Asian Consortium for the Conservation and Sustainable Use of Microbial Resources Meeting

## DAY 2

5 Floor, Kensington,  
The Berkeley Hotel Pratunam,  
Bangkok, Thailand

### 20<sup>th</sup> November 2024 (ACM Members Only)

09:00-09:30 Short Speech by ACM Members

#### Taskforce Report & Discussion

09:30-09:45 Asian BRC Network (ABRCN)

09:45-10:00 Human Resource Development (HRD)

10:00-10:15 Management of Material Transfer (MMT)

10:15-10:30 Mutual Aid Association (MAA)

10:30-10:45 BRC Standardization (BRCS)

#### General Assembly

10:45-10:50 Adoption of 20th ACM Minutes

10:50-11:25 New Membership Applicants

11:25-11:35 Next Term's ACM Secretariat

11:35-11:40 Host of ACM23 in 2026

11:40-11:50 ACM22 in Korea hosted by Korean Agricultural Culture Collection (KACC)  
Rural Development Administration, Republic of Korea

11:50-11:55 AOB

11:55-12:00 **Closing Remark**

By : Dr. Hiroko Kawasaki, NITE Biological Resource Center (NBRC)

12:00-13:00 Lunch

### 21<sup>st</sup> November 2024 (ACM Members Only)

08:30-09:30 Depart from the Accommodation to National Science and Technology Development Agency (NSTDA)

09:30-10:30 Visit National Biobank of Thailand (NBT)

10:30-11:30 Visit Thailand Bioresource Research Center (TBRC)

11:30-12:30 Lunch

13:00-15:00 Cultural Tour in Ayutthaya Province

15:00-16:30 Return to Bangkok

## DAY 3 Excursion



19  
November  
2024

## Session of Interesting Topics [Poster Presentation]

11 Floor, Jubilee,  
The Berkeley Hotel Pratunam, Bangkok, Thailand

- **Dr. Atit Kanti:** Exploring Yeast Diversity to Advance Sustainable Biosurfactant Production
- **Dr. Chia-Wen Chang:** National Infectious Diseases Bank
- **Dr. Dian Hendrayanti:** Collection of Cyanobacteria Associated with Algae and Bryophyte from Freshwater Habitats in Indonesia
- **Dr. Fitria Ningsih:** Whole Genome Sequence (WGS) Analysis of *Gandjariella thermophila* strains and their bioactivities
- **Prof. Honghui Zhu:** The study on microbial resource mining and utilization in the Guangdong Microbial Culture Collection Center
- **Dr. Kanungnid Busarakam:** Metagenomic analysis of microbial communities at Sakaerat Biosphere Reserve, Nakhon Ratchasima Province, Thailand
- **Dr. Mary Ann Cielo V. Relucio-San Diego:** Microbial Genetic Resource in the Sludge: Metagenomic Profiling of Antimicrobial Resistance Genes in Select Wastewater Treatment Plants in the Philippines
- **Dr. Puspita Lisdiyanti:** Whole Genome Sequencing of Biofilm Producing Bacteria
- **Ms. Risa Ohtsuka:** Introduction to DBRP
- **Dr. Shanti Ratnakomala:** Biodiversity of Actinobacteria from Gorontalo, North Sulawesi
- **Dr. Tatsanee Werasura:** Violacein extracted from *Chromobacterium* sp. inhibit *Cutibacterium acnes* and *Bacillus subtilis* growth in In Vivo assay
- **Dr. Xinhui Wang:** Worldwide distributed acid-tolerant N<sub>2</sub>O reducers and novel essential proteins for N<sub>2</sub>O reduction at acidic pH
- **Dr. Yang Liu:** Comparative genomic analysis to identify a new genetic marker for distinguishing *Bacillus subtilis* from its closely related species