Summary Report

of

The 8th WFCC-MIRCEN World Data Centre for Microorganisms (WDCM) Symposium

GCM 2.0 Type Strain Sequencing Project Workshop

November 21 - 22, 2018

and

WDCM Training Course for Microbial Data Analysis

November 23-30, 2018

at

Institute of Microbiology, China Academy of Science (MCAS), Beijing, China

by

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TISTR Culture Collection

Thailand Institute of Science and Technological Research (TISTR)
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Personal introduction

Susakul Palakawong Na Ayudthaya was born in Bangkok, Thailand. She obtained the bachelor’s degree in Microbiology from Kasetsart University in 1996 and her research project was about yeast taxonomy and optimizing the erythritol production from yeast. In the same year she started working the first job as a quality control staff at Nisho Nipro Corporation LTD. Since 1997, she has been working at TISTR Culture Collection (Bangkok MIRCEN), Thailand Institute of Scientific and Technological Research (TISTR) until now.

During her work at TISTR, she received the Royal Thai Government scholarship to pursue the Master Degree at Colorado State University-Pueblo, The United State of America. Her master thesis entitled “Heavy metal concentration and microbial profile of topsoil in Pueblo, Colorado” in 2006. After that she went back to Thailand and had been continued her work as a researcher at TISTR until she got the second scholarship from TISTR for the Ph.D. degree. In 2018, she got the Ph.D. Degree in the topic of “Organic acid production from starchy waste by gut derived microorganisms” at Microbial Physiology group, Laboratory of Microbiology, Wageningen University, The Netherlands. As a researcher at TISTR culture collection, she is planning to use the genome data for clarify or distinguish the species in the Bacillus group as well as running the TISTR culture collection work.
ABSTRACT

Microbial data is one of the most important resources for human life and our world. WFCC-MIRCEN World Data Center for Microorganisms (WDCM) and The Center for Microbial Resource and Bid Data, Institute of Microbiology, Chinese Academy of Sciences (IMCAS) is aiming to provide and promote the sharing of the microbial genome data for the sustainable bioresource utilization to everyone. WDCM and IMCAS have organized the 8th WFCC-MIRCEN WDCM Symposium: GCM 2.0 Type Strain Sequencing Project Workshop from November 21 to 22, 2018 and WDCM training course for Microbial Data Analysis to the culture collection members during November 23 to 30, 2018 in Beijing, China. The symposium and training contain informative presentations and lectures cover the introduction of the WDCM activities, GCM 2.0 Type Strain Sequencing Project, culture collection status and management, updated microbial genome status of bacteria, yeast and fungi as well as the genome data management including assembly, annotation, genome analysis tools and genome data submission. There are 17 participants represented of their culture collection from many countries. The cooperation has been built not only between the host and the culture collections under WDCM but among the culture collections themselves as well.

Key words: Culture collection, IMCAS, Microbial data, WDCM.
Brief introduction of your Culture Collection.

TISTR Culture Collection is established by the support of UNESCO/UNEP in 1996 as Bangkok MIRCEN. The main propose was to screening, collecting and preserving the various microorganisms in Thailand and South-east Asia for sustainable, agricultural and industrial use of microorganisms. Since then, our culture collection has been devoted to collection, preservation, and distribution of microorganisms as well as to service the cultures and microbial analysis related to the use of microorganisms. In 1981, TISTR Culture Collection got affiliation number 383 from the World Federation of Culture Collection (WFCC) to fully function as the registered culture collection. In 1985, TISTR Culture Collection joined the Join Asian Network of Microbial Research. In 2000, TISTR Culture Collection obtained the International Organization of Standardization (ISO) 9001: 2000 and has been verified the ISO