



**Announcement of Faculty of Science  
Subject Results of the academic presentation awards**

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According to the Faculty of Science Maejo University Organized the 4<sup>th</sup> International Conference on Science Technology & Innovation (4<sup>th</sup> ICSTI) - Maejo University Hybrid conference (Online & Onsite) on March 29, 2024. With the following objectives:

1. To be a platform to present research results and exchange knowledge of Thai and foreign researchers.
2. To meet and build research cooperation to create sustainable innovation between Thai and foreign researchers for competing at the international level in the future.

In this regard, we would like to announce the results of academic presentations in each group as follows:

**Presentation Awards  
(4<sup>th</sup> ICSTI – MJU)**

**Session 1 Mathematics, Statistics, Computer & Data Science**  
**Best Oral Presentation**

**ABRS167003**

**Title:** Assessing the Impact of Lockdown and Vaccination Strategies in Managing the Covid-19 Outbreak in Thailand: Insights from the Sveiqhrd-Lockdown Model.

**Presenter:** Assistant Professor Dr. Rati Wongsathan  
North-Chiang Mai university, Chiang Mai, Thailand

**ABRS167008**

**Title:** Atr-Ftir Spectroscopy Identified Patients with Anti-Interferon-Gamma Plasma

**Presenter:** Mr. Chanchai Hongsa  
Khonkaen University, Khonkaen, Thailand

**ABRL167017**

**Title:** Identifying Suicidal Post by Using Latent Dirichlet Allocation

**Presenter:** Mr. Natthaphong Suthamno

Suranaree University of Technology, Nakhon Ratchasima, Thailand

**Session 1 Mathematics, Statistics, Computer & Data Science**

**Best Poster Presentation**

**ABPL267015**

**Title:** Climate Trends Analysis Using Mann-Kendall and Sen's Slope Estimator Tests in Central Luzon, Philippines

**Presenter:** Mr. Jocell Calma

Pampanga State Agricultural University, Philippines

**Session 2: Innovations in Science & Technology**

**Best Oral Presentation**

**ABRS167011**

**Title:** Development of Electrochemical Sensor using Bimetallic Oxide Composite for the Favipiravir Determination in Antiviral Drug

**Presenter:** Ms. Nuenghathai Chaiya

Maejo University, Chiang Mai, Thailand

**ABRS167016**

**Title:** Platinum on Manganese (iv) Oxide Nanowires Based Electrochemical Immunosensors for Detection of Postate Cancer

**Presenter:** Ms. Suphaporn Chenkhuruthum

Maejo university, Chiang Mai, Thailand

**ABRS167018**

**Title:** Application of Machine Learning for Renewable Energy-Integrated Electric Railway Planning

**Presenter:** Dr. Panawit Hanpinitak

Khon Kaen University, Khon Kaen, Thailand

**ABRS167027**

**Title:** Design and analysis of hybrid composite-aluminum rocket motor case

**Presenter:** Mr. Thawatchai Boonluang

Defence Technology Institute, Nonthaburi, Thailand

**ABRS167033**

**Title:** Enhancement of visible light absorption for TiO<sub>2</sub> based photoelectrochemical cell:  
a case study of Ni-doped strontium ferrite oxide

**Presenter:** Mr. Pandhabhatra Panchakhant

King Mongkut's University of Technology North Bangkok, Bangkok, Thailand

### Session 2 Innovations in Science & Technology

#### Best Poster Presentation

**ABPS267002**

**Title:** Synthesis of Activated Carbon from Waste Inner Tube as Adsorbent for Acid Dye Removal  
from Water

**Presenter:** Ms. Siritapha Panturaporn

Montfort College, Chiang Mai, Thailand

**ABPS267016**

**Title:** Characterization of Volatile Organic Compounds in Black Goji Berry using Gas  
Chromatography-Mass Spectrometry

**Presenter:** Ms. Sehrish Javed

Chulalongkorn University, Bangkok, Thailand

### Session 3: Biological Science & Environment

#### Best Oral Presentation

**ABRS167005**

**Title:** Diversity of Freshwater Fungi in Lake of Yunnan Province, China

**Presenter:** Ms. LU LI

Chiang Mai University, Chiang Mai, Thailand

**ABRS167013**

**Title:** Species of Neomassaria Associated with Tea Tree in Southwest China

**Presenter:** Mr. Yu Hang Lu

Chiang Mai University, Chiang Mai, Thailand

**ABRS167014**

**Title:** Taxonomy and Phylogeny of Microfungi Associated with Medicinal Plants  
in Southwest China

**Presenter:** Mr. Hong-Zhi Du

Chiang Mai University, Chiang Mai, Thailand

**ABRS167028**

**Title:** Comparison of the Antimicrobial and Antibiofilm Activity of Peptides with High  
and Low Anti-Methicillin-Resistant Staphylococcus Aureus Scores, Predicted Through  
an in Silico Approach

**Presenter:** Ms. Parweenuch Santaweek

Khon Kaen University, Khon Kaen, Thailand

**ABRS167042**

**Title:** Epidemiology and Molecular Characteristics of Lumpy Skin Disease Disseminated Among  
Beef Cattle Raised Near Kaeng Krachan National Park in Petchaburi Province, Thailand

**Presenter:** Mr. Teerayoot Chawut

Phetchaburi College of Agriculture and Technology, Phetchaburi, Thailand

**Session 3: Biological Science & Environment**

**Best Poster Presentation**

**ABPS267012**

**Title:** Production of recombinant scFv antibody specific to Dengue E protein by using  
a mammalian expression system

**Presenter:** Ms. Jiraphon Thaosing

Khon Kaen University, Khon Kaen, Thailand

**ABPS267020**

**Title:** Morphometric Study of Zygomaticofacial Foramen in Thai Population

**Presenter:** Ms. Piyakarn Boontem

**University of Phayao, Phayao, Thailand**

Announce on APRIL 1, 2024

A handwritten signature in blue ink that reads "T. Cheunbarn". The signature is written in a cursive style with a large initial 'T'.

(Assistant Professor Dr. Tapana Cheunbarn)

Dean of Faculty of Science