



**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 1<sup>st</sup> International Conference on Science, Technology & Innovation - Maejo University (1<sup>st</sup> ICSTI-MJU) at Faculty of Science Maejo University that has been done in an online format on March 19, 2021. 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  
(1<sup>st</sup> ICSTI – MJU)**

**(BioScience and Technology)**

**Gold**

**Y107**

“Comparison of an innovative porous pipe irrigation system to drip irrigation under controlled conditions”

**Presenter: Wolfram Spreer (Thailand)**

**Authors:**

Alexander Kunze, Wolfram Spreer, Rapeephun Dangtungee, Chomchuan Boonrahong, Unchalee Sanguangpong and Johannes F. J. Max

**Silver**

**Y111**

“Stability of Loop-Mediated Isothermal Amplification (LAMP) and Gold nanoparticle probe (AuNP) reagents to determine the Amplification Efficiency for detection of shrimp”

**Presenter: Narong Arunrut (Thailand)**

**Authors:**

**Narong Arunrut and Benyatip Tondee**

**Bronze**

**Y104**

“Development of natural dye based Dye-sensitized solar cell utilizing natural pigment from malabar spinach and red cabbage”

**Presenter: Glennise Faye C. Mejica (Thailand)**

**Authors:**

Glennise Faye C. Mejica , Yuwalee Unpaprom, Ubonwan Subhasaen, Thidarat Siriboon and, Rameshprabu Ramaraj

**Y109**

“Capsaicinoid nonivamide attenuates accumulation of triglyceride in high fat diet induced obese rats”

**Presenter: Kanokrada Tonpoo (Thailand)**

**Authors:**

Kanokrada Tonpoo, Jiraporn Tocharus, Sivanan Sivasinprasasn, Naruemon Wikan, Waraluck Chaichompoo, Apichart Suksamrarn and Chainarong Tocharus

**Consolation**

**Y102**

“Prevalence of blood parasite infections in apparently healthy dogs in highland Chiang Mai”

**Presenter: Pennapa Takam (Thailand)**

**Authors:**

Pennapa Takam , Wilawan Ruansit , Thipkamon Thikarach , Pichanan Suebsaard , Onanong Seng-Lao , Dante Fabros Jr. , Runjuan Isararuk , Phacharaporn Tadee , Phairot Phongkidakarn , Pattama Charerntantanakul , Chollada Sodarot, Worapat Prachasilchai and Wasin Charerntantanakul

**Y116**

“Preliminary assessment on antisense oligodeoxynucleotide knockdown of porcine TGFβ1 mRNA in porcine monocyte-derived macrophages stimulated with lipopolysaccharide”

**Presenter: Dante Fabros Jr. (Thailand)**

**Authors:**

Dante Fabros Jr. and Wasin Charerntantanakul

**(Physical Science and Technology)**

**Gold**

**Y118**

“Tyrosinase immobilization on home-made screen-printed carbon electrode with chitosan at carbon dot as a dopamine biosensor”

**Presenter: Tanin Tangkuaram (Thailand)**

**Authors:**

Tanin Tangkuaram, Tik Ouiram, Nuenghathai Chaiya, Jirapatpong Senabut, Anchana Preechaworapun

**Silver**

**Y110**

“Electrochemical uric acid sensor based on GO modified gassy carbon electrode”

**Presenter: Anchana Preechaworapun (Thailand)**

**Authors:**

Anchana Preechaworapun, Pimporn Manochai, Baikran Klinumpan, Kulwadee Pinwattana, Rapihun Janmanee, Pornpat Sam-ang, Sudarat Khadsai, and Tanin Tangkuaram

**Bronze**

**Y115**

“Development of biosorbent using mango (*Mangifera indica* L.) peels for the recovery of gold from E-waste”

**Presenter: Arvin Luis M. Santos (Philippines)**

**Authors:**

Arvin Luis M. Santos, Danila S. Paragas, Cesar V. Ortinero Consolation

**Y108**

“Model Development for Estimating Ground Level Particulate Matter For Central Thailand Using Satellite Data”

**Presenter: Pichawan Phuengsamran, (Thailand)**

**Authors:**

Pichawan Phuengsamran, and Pichnaree Lalitaporn

**Y119**

“A Non-enzymatic Glucose Sensor using Rose-like Nickel Particles modified on Glassy Carbon Electrode”

**Presenter: Kulwadee Pinwattana (Thailand)**

**Authors:**

Kulwadee Pinwattana, Naruemol Mangmee, Padarat Ninjarianai, Prayoon Khamterm, Rapihun Janmanee, Jiraporn Kitikul, Anchana Preechaworapun and Tanin Tangkuaram

**Y120**

“Development of lead (II) ion electrochemical sensor using imprinted polymers at graphene oxide (GO@IIP) modified glassy carbon electrode”

**Presenter: Nuenghathai Chaiya (Thailand)**

**Authors:**

Nuenghathai Chaiya, Anchana Preechaworapun, Weerakanya Maneeprakorn and Tanin Tangkuaram

Announce on March 23, 2021



(Asst.Prof.Dr. Tapan Cheunbarn)  
Dean of Faculty of Science