



CERTIFICATE OF APPRECIATION

This certificate is given to:

Ryan M. Lumod, M.Sc.

for her invaluable contribution as **KEY PARTNER** during the successful implementation of the Mindanao State University - Lanao del Norte Agricultural College Senior High School Department Grade-12 Student's Work Immersion. Given this 13th day of December, 2024 during the 2-week Work Immersion's Closing Ceremony at Premier Research Institute of Science and Mathematics (PRISM), MSU-IIT.


GISSELE F. ABOLUCION

SHS OIC COORDINATOR


DR. ELIZA E. REDONDO

DEAN OF INSTRUCTION


DR. INDIHRA B. DIMAPORO-TAWANTAWAN, AL-HAJA

CAMPUS HEAD

SAMAHANG PISIKA NG VISAYAS AT MINDANAO
MINDANAO STATE UNIVERSITY - ILIGAN INSTITUTE OF TECHNOLOGY
AND UNIVERSITY OF SANTO TOMAS



SPVM
NATIONAL PHYSICS CONFERENCE
IN MANILA

present this

Certificate of Recognition

for their poster entitled

“Aloe vera-mediated green synthesis of gold nanoparticles and its Antibacterial Activity”

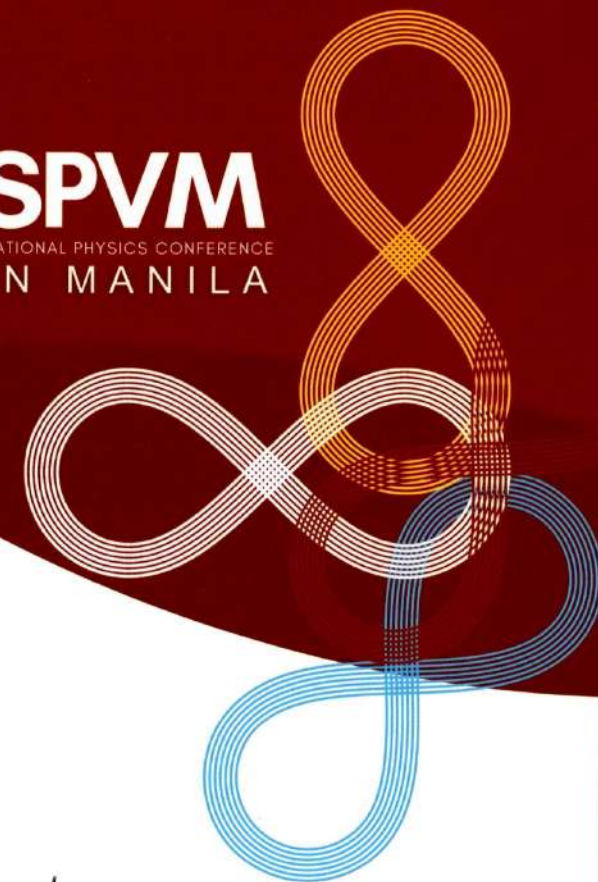
Ryan M. Lumod, Rolen Brian P. Rivera, Katherine Lyka Y. Panizales,
Noel Lito B. Sayson, Rey Y. Capangpangan, Arnold C. Alguno

during the poster sessions of the 26th SPVM National Physics
Conference in conjunction with the 2024 International Conference
on Advanced Functional Materials and Nanotechnology, 2024
International Meeting on Complex Systems, and 2024
International Conference on Particles and Radiation
on October 17-19, 2024.

Given this 19th day of October 2024
at University of Santo Tomas, Manila, Philippines.


Rolando T. Candidato, Jr., Ph.D.
PRESIDENT, SPVM


John Andrew L. Albay, Ph.D.
CONFERENCE DIRECTOR





CERTIFICATE

OF RECOGNITION

This certificate is awarded to

Ryan Lumod

Research Fellow IV - CHED MSU - Iligan Institute of Technology

for mentoring the technical assistance to our Grade 12 STEM Researchers in the study entitled: *Fabrication of Economical Gold Nanoparticles Synthesis Using Purple Sweet Potato (Dioscorea alata) Extract*, for the months of September to November 2023.

Given this 13th of December, 2023

Concepcion D. Uy

Principal

Leila T. Simbajon

VPA for Senior High School



Office of the Vice President for Research and Innovation
Central Instrumentation Facility

presents this

CERTIFICATE OF COMPLETION

to certify that

Ryan M. Lumod

has completed a 40-hour training on **Chromatography and Biogenic Amines Analysis** held on November 13-17, 2023, at George K. Ty Advance Instrumentation Bldg., De La Salle University, Laguna Campus.

Dr. Anna Karen C. Laserna

ACADEMIC SERVICE FACULTY,
CENTRAL INSTRUMENTATION FACILITY

Dr. Drexel H. Camacho

SCIENTIFIC DIRECTOR,
CENTRAL INSTRUMENTATION FACILITY

Mindanao State University - Iligan Institute of Technology
Samahang Pisika ng Visayas at Mindanao
University of San Carlos

present this

Certificate of Participation

to

Ryan M. Lumod

as participant of the
25th SPVM National Physics Conference in conjunction with the
**2023 International Conference on Advanced Functional Materials and
Nanotechnology, 2023 International Meeting on Complex Systems,
and 2023 International Conference on Particles and Radiation**

Given this 21st day of October 2023
at MSU-Iligan Institute of Technology, Iligan City,
Lanao del Norte, Philippines




Eli Christopher J. Enobio, Ph.D.
President, SPVM


Prof. Alizedney M. Ditucalan, J.D., LL.M
Chancellor, MSU-IIT



25TH
SPVM NATIONAL
PHYSICS
CONFERENCE

2023 International Conference on Advanced
Functional Materials & Nanotechnology
2023 International Meeting on Complex Systems
2023 International Conference on Particles & Radiation

present this

Certificate of Appreciation

for their poster entitled

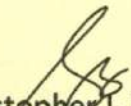
**"Time-dependent effect on the size distribution and absorbance
of Aloe vera-mediated gold nanoparticles"**

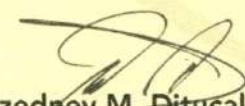
Ryan M. Lumod, Noel Lito B. Sayson, Rey Y. Capangpangan, Arnold C. Alguno

during the **25th SPVM National Physics Conference** in conjunction with the
**2023 International Conference on Advanced Functional Materials and
Nanotechnology, 2023 International Meeting on Complex Systems, and
2023 International Conference on Particles and Radiation**

Given this 19th day of October 2023
at MSU-Iligan Institute of Technology, Iligan City,
Lanao del Norte, Philippines




Eli Christopher T. Enobio, Ph.D.
President, SPVM


Prof. Alizedney M. Ditucalan, J.D., LL.M
Chancellor, MSU-IIT

Certificate of Participation

This is to certify that

Ryan Lumod

have completed the

ELISA Hands-On Training Workshop

held on the 12th day of September 2024 at the Mindanao State University - Iligan
Institute of Technology, Premier Research Institute of Science and Mathematics, Iligan
City, Lanao del Norte.


CENTENNA B. SILVERIO
FIELD APPLICATIONS SCIENTIST

CERTIFICATE OF TRAINING



This Certifies that



Ryan M. Lumod

has completed the **Training on Operations, Applications, and Maintenance**
of **MicrotracBel Belsorp MAX-X BET Surface Area and Pore Size Analyzer**

on August 23-25, 2023

at PRISM, MSU-Iligan Institute of Technology
Andres Bonifacio Ave. Tibanga, Iligan City, Lanao del Norte

ROY PAULO B. GAID
Branch Manager – VISMIN
ITS Science Phils, Inc

MSU - ILIGAN INSTITUTE OF TECHNOLOGY
CSM - DEPARTMENT OF PHYSICS

awards this

CERTIFICATE OF PARTICIPATION

to

Ryan Lumod

in recognition of his/her active involvement and participation during the
2nd Sem AY 2023 2024 IIT-HEP Conference

*conducted on May 8-9, 2024
at Mindanao State University - Iligan Institute of Technology.*

*Given this 9th day of May, 2024 at 2nd PRISM,
Mindanao State University - Iligan Institute of Technology*


JINGLE B. MAGALLANES, PH.D.
CHAIRPERSON, DEPARTMENT OF PHYSICS



CERTIFICATE OF PARTICIPATION

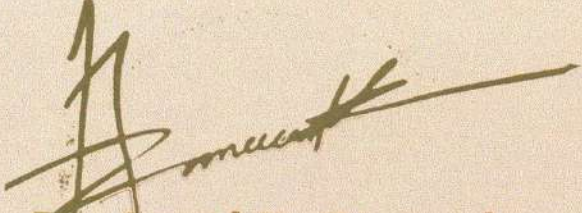
RYAN M. LUMOD

What: 1-day 3D Modeling and Printing Training
for CHED Lakas Researchers

When: April 14, 2023

Where: The MSU-IIT FAB LAB Mindanao




Dr. Arnel D. Zamayla
Director, FAB LAB Mindanao
Iligan City, The Philippines



MSU-ILIGAN INSTITUTE OF TECHNOLOGY

Office of the Vice Chancellor for Research & Enterprise
Knowledge & Technology Transfer Office

CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

Ryan M. Lumod

has successfully participated in the **Intellectual Property (IP) Foundation Course** held on **March 6, 2024**,
8:00AM - 12:00NN, at the **PRISM, MSU-Iligan Institute of Technology**.

Given this 6th day of March, 2024.


VANNIE JOY T. RESABAL, Ph.D.
KTTO Director



MSU-ILIGAN INSTITUTE OF TECHNOLOGY

Office of the Vice Chancellor for Research & Enterprise
Knowledge & Technology Transfer Office

CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

Ryan M. Lumod

has successfully participated in the **Patent Search Workshop** held on **March 7, 2024**,
8:00AM - 5:00PM, at the **PRISM, MSU-Iligan Institute of Technology**.

Given this 7th day of March, 2024.


VANNIE JOY T. RESABAL, Ph.D.
KTTO Director



MSU-ILIGAN INSTITUTE OF TECHNOLOGY

Office of the Vice Chancellor for Research & Enterprise
Knowledge & Technology Transfer Office

CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

Ryan M. Lumod

has successfully participated in the **Patent Drafting Workshop** held on **March 8, 2024**,
8:00AM - 5:00PM, at the **PRISM, MSU-Iligan Institute of Technology**.

Given this 8th day of March, 2024.


VANNIE JOY T. RESABAL, Ph.D.
KTTO Director



**OFFICE OF THE VICE PRESIDENT FOR RESEARCH AND INNOVATION
CENTRAL INSTRUMENTATION FACILITY**

presents this

Certificate of Completion

to

Ryan M. Lumad

for successfully completing 48 hrs of special training and workshop in
Electron Microscopy, Chromatography, and Spectroscopy held on December 12-17, 2022,
given this 17th day of December 2022 at De La Salle University Laguna Campus
Laguna Boulevard, LTI Spine Road, Barangays Biñan and Malamig, Biñan City, Laguna.

A handwritten signature in black ink, likely belonging to Drexel H. Camacho.

Drexel H. Camacho, D.Sc., RCh.
SCIENTIFIC DIRECTOR, OVPRI-CIF
DE LA SALLE UNIVERSITY




Certificate of Appreciation

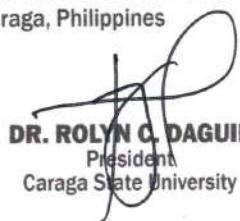
Is given to

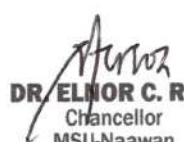
RYAN M. LUMOD

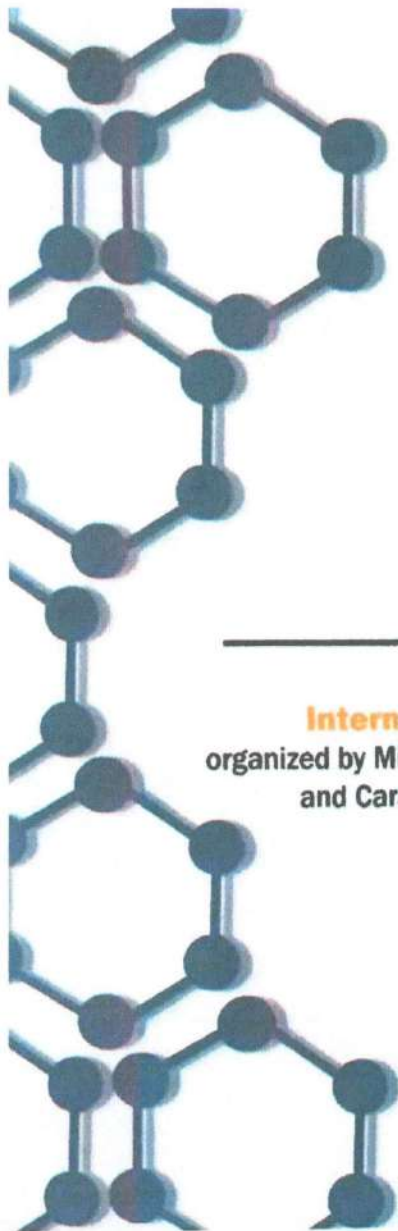
for his/her invaluable and exemplary service rendered as a member of the **WORKING COMMITTEE** during the **International Conference on Nanoscience and Nanotechnology (ICNN 2022)** organized by Mindanao State University - Iligan Institute of Technology, Mindanao State University at Naawan and Caraga State University, in collaboration with e-Asia Joint Program Group and NACENTECH held on December 8 - 9, 2022, at Hotel Oasis, Butuan City and online via Zoom

Given this 9th day of December 2022 at Hotel Oasis,
Butuan City, Caraga, Philippines


PROF. ALIZEDNEY M. DITUCALAN, JD, LLM
Chancellor
MSU-Iligan Institute of Technology


DR. ROLYN C. DAGUIL
President
Caraga State University


DR. ELMOR C. ROA
Chancellor
MSU-Naawan



This
Certificate of Participation

Is given to

RYAN M. LUMOD

for actively participating in the
International Conference on Nanoscience and Nanotechnology (ICNN 2022)
organized by Mindanao State University - Iligan Institute of Technology, Mindanao State University at Naawan
and Caraga State University, in collaboration with e-Asia Joint Program Group and NACENTECH
held on December 8 - 9, 2022, at Hotel Oasis, Butuan City
and online via Zoom

Given this 9th day of December 2022 at Hotel Oasis,
Butuan City, Caraga, Philippines

DR. ARNOLD C. ALGUNO
Convention Director
Project Leader, CHED-LAKAS