

# RYAN M. LUMOD

Iligan City, Lanao del Norte, Philippines 9203  
09454650841 - ryan.lumod@gmail.com

## PROFESSIONAL SUMMARY

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A scientist with a passion for imparting knowledge and a strong foundation in physics education. Adept at creating innovative lesson plans and fostering a collaborative classroom atmosphere. Known for flexibility and reliability in meeting changing educational needs. Proficient in advanced teaching methodologies and effective communication.

## SKILLS

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- Project management
- Research design
- Scientific writing
- Research procedures
- Qualitative analysis
- Interdisciplinary knowledge

## WORK HISTORY

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07/2022 to 12/2024 **Research Fellow**

**MSU - Iligan Institute of Technology** – Iligan City, Lanao Del Norte

- Enhanced research quality by implementing rigorous methodologies and data analysis techniques.
- Mentored junior researchers, providing guidance on study design, data analysis, and manuscript preparation.
- Ensured the highest standards of scientific integrity were upheld throughout all stages of the research process.
- Maintained accurate records of experimental procedures, observations, and findings for transparent reporting of results in publications.
- Authored professional scientific papers for publishing in peer-reviewed journals.

## EDUCATION

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07/2024

**Master of Science: Physics**

**MSU - Iligan Institute of Technology** - Iligan, Province of Lanao Del Norte, Philippines

- DOST-ASTHRDP Scholar, 2019 from DOST
- Thesis Title: Controlling the Size Distribution and Absorbance of Aloe vera-Mediated Gold Nanoparticles and its Antibacterial Activity (Best Thesis Awardee)

## SCIENTIFIC PUBLICATION

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- **Lumod, R.M.**, Avila, K.J, Rivera, R.B.P., Magdadaro, M.R., Sayson, N.L., Latayada, F.S., Dumancas, G.D., Alguno, A.C.; Green Synthesis of Gold Nanoparticles using Aloe Vera Leaf Extracts and its Antibacterial Activity. *Adv. Mat. Lett.*, **2025**, DOI: 10.5185/amlett.2025.011771

- Rivera, R.B.P., **Lumod, R.M.**, et. al.; Influence of the Gold Nanoparticle Size on the Colorimetric Detection of Histamine. *ACS Omega*, **2024**. DOI: *10.1021/acsomega.4c02023*
- Romnick B. Unabia; Renzo Luis D. Reazo; Rolan Brian P. Rivera; Melbagrace A. Lapening; Jahor L. Omping; *Ryan M. Lumod*; Archie G. Ruda; Noel Lito B. Sayson; Gerard Dumancas; Roberto M. Malaluan et al.; Dopamine-Functionalized Gold Nanoparticles for Colorimetric Detection of Histamine. *ACS Omega*, **2024**, DOI: *10.1021/acsomega.3c10123*.
- Jahor Omping; Romnick ; Renzo Luis Reazo; Melbagrace Lapening; **Ryan Lumod**; Archie Ruda; Rolan Brian Rivera; Noel Lito Sayson; Felmer Latayada; Rey Capangpangan et al.; Facile Synthesis of PEGylated Gold Nanoparticles for Enhanced Colorimetric Detection of Histamine. *ACS Omega*, **2024**, DOI: *10.1021/acsomega.3c10050*

## LANGUAGES

English	Filipino
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Intermediate (B1)	Bilingual or Proficient (C2)