

JAMALIA M. MACATANONG

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Teaching Philosophy

I believe in fostering curiosity, critical thinking, and scientific inquiry in students. My teaching integrates research-based learning, ensuring that students actively engage in discovery and collaborative problem-solving. By inspiring an appreciation for biology, I empower students to contribute meaningfully to scientific advancement and environmental stewardship.

Area of Specialization

Biological Sciences – Biodiversity, Ecology, Entomology

Education

Doctor of Philosophy in Biology (*candidate*)

MSU-Iligan Institute of Technology
Andres Bonifacion Ave., Tibanga, Iligan City
9200 Lanao del Norte

Master of Science in Biology

MSU-Iligan Institute of Technology
Andres Bonifacio Ave., Tibanga, Iligan City 9200

Bachelor of Science in Biology (Gen. Biology)

MSU-Iligan Institute of Technology
Andres Bonifacio Ave., Tibanga, Iligan City 9200

Career / Work Experience

Dean, College of Arts and Sciences

Iligan Medical Center College
San Miguel Village, Pala-o, Iligan City
Employment Period: July 16, 2020 to present

- Oversees academic programming.
- Develop policies and procedures for the college and ensures that accreditation criteria are being met for the programs offered in the college.
- Oversees admission of students to BS Biology and BS Social Work programs.

- Works with other department heads/deans and others to monitor and improve the general welfare of the students, faculty, and the department as a whole.

Academic Coordinator, College of Arts and Sciences

Iligan Medical Center College

San Miguel Village, Pala-o, Iligan City

Employment Period: January 2020 to July 15, 2020

- Provide information to students/stakeholders and serve as a spokesperson for the biology program.
- Assists the dean with the administrative tasks, such as (but not limited to) preparing and maintaining mandatory program documentation and records.
- Coordinate meetings, conferences, and special events.
- Collaborate with schools, departments, colleges, faculty members regarding programs and or events that are hosted or implemented by the college.
- Teach, advise, and supervise students undergoing On-the-Job Training / Practicum.
- Perform other related duties as assigned by the college dean and/or the dean for the academic affairs.

Associate Professor III (August 2024-present)

Assistant Professor III (January 25 2021-September 2022)

Instructor I (January 2017-January 2020)

Assistant Instructor (November 2015-January 2017)

College of Arts and Sciences, Iligan Medical Center College

San Miguel Village, Pala-o, Iligan City

Employment Period: November 9, 2015 to present

- Develop and deliver engaging biology lessons.
- Design and supervise laboratory work.
- Prepare and maintain course materials, including syllabi and assessments.
- Assess student progress through exams, projects, and evaluations.
- Conduct research and publish findings in academic journals.
- Participate in faculty meetings and departmental planning.

Museum Collections Manager / Founding Member

IMCC Natural Science Museum

4F, AD Building, IMCC Main Campus, Brgy. Pala-o, Iligan City

Employment Period: February 2018 to present

- Oversees collection management for the museum including procurement, documentation, care, conservation, security, storage, and proper exhibition of collections.
- Supervises all aspects of the records and physical management of the incoming and outgoing loaned specimens, ensuring accurate and up-to-date record keeping, and documentation maintenance.
- Supports in the development and implementation of the museum's temporary and permanent exhibits.
- Evaluates current practices, stays current with professional standards, and develops new practices in collection management and care.
- Ensures long-range sustainability of the collection and makes use of the changing technology.
- Prepares budgets and monitors expenditures specific to collections.
- Prepares funding applications/grants related to areas of responsibility as required.

Special Project/Thesis/Dissertation Title

Phenology, Ecology, and Diversity of Tiger Beetles (Coleoptera: Cicindelidae) inhabiting selected ecosystems in Mindanao, Philippines

Dissertation

Department of Biological Sciences, MSU – Iligan Institute of Technology
(Defended on May 13, 2025)

Diversity, Distribution, and Ecology of Tiger Beetles (Coleoptera: Cicindelidae) in Bubong, Lanao Del Sur, Mindanao, Philippines

Master's Thesis

Department of Biological Sciences, MSU – Iligan Institute of Technology
November 2019

Histology of *Mus musculus* Exposed to Methanol Extracts of *Terminalia catappa* Linn. Nuts

Department of Biological Sciences, MSU – Iligan Institute of Technology
October 2009

Research, Publications, and Presentations

Macatanong, J.M., Nuñez, O. M., and Jaskuła, R. (2025). Ground-Dwelling Predators of Mindanao: New Insights into Tiger Beetle Distribution and Ecology. (*Unpublished, in-press*)

Macatanong, J.M., Nuñez, O. M., and Jaskuła, R. (2024). Tiger beetles (Coleoptera: Cicindelidae) of Lanao del Sur, Mindanao: New Records on Diversity, Distribution, and Habitat Preferences. Palawan State University, Puerto Princesa City, Palawan. (Conference Paper, *Poster presentation*)

Macatanong, J.M., Demayo, C., and Nuñez, O. M. (2024). Assessing interspecific shape variability in two congeneric species of epigeic tiger beetles (Coleoptera: Cicindelidae) using Landmark-based Geometric Morphometric Analysis. 7th International Biology Conference 2024, ICISE, Quy Nhon, Binh Dinh, Vietnam. (Conference paper, *Oral presentation* – won 2nd prize for Oral Presentation in Animal Biology Session)

Acal, D.A.P.; **Macatanong, J. M.**; Café, G.C.; Cechowicz, W.; Campong, N.; Pantorilla, R.; Ebina, N.J.; Abapo, C.J.; Torres, C.C.; Bagona, O.R.; Marohomsalic, J.S.; Lumontod, M.L.; Nuñez, O.M.; Jaskuła, R. (2023). A message from a flagship insect bioindicator group, tiger beetles (Coleoptera: Cicindelidae), to nature conservationists: significant decrease of species richness along the elevational gradient in riverine habitats of the Philippine megabiodiversity hotspot indicates high importance of lowlands for biodiversity conservation in the tropics. (*unpublished, in-press*)

Jaskuła, R.; Acal, D.A.P.; **Macatanong, J.M.**; Café, G.C.; Medina, M.N.D.; Cabras, A.A.; Marohomsalic, J.S.; Torres, C.C.; Nuñez, O.M.; Płociennik, M.; Schwerk, A. (2022). High habitat specialization and patterns of co-occurrence in tiger beetle species from the southern part of the Philippine megadiversity hotspot. 20th European Carabidologists Meeting, Warsaw, Poland. (Conference Paper, *Oral Presentation*)

Acal, D.A.P.; **Macatanong, J.M.**, Café, G.C.; Campong, N.; Marohomsalic, J.S.; Torres, C.C.; Nuñez, O.M.; Jaskuła, R. (2022). Altitude vs. tiger beetle fauna in the Philippine biodiversity hotspot: preliminary results show significant decrease of biodiversity along the elevational gradient in riverine habitats. 20th European Carabidologists Meeting, Warsaw, Poland. (Conference Paper, *Poster Presentation*)

Acal, D.A.P.; **Macatanong, J.M.**, Nuñez, O.M.; Zawal, A.; Jaskuła, R. (2022). Tropical tiger beetles and their ectoparasitic mites: prevalence, body distribution, and attachment preferences in relation to

sex and body size. 20th European Carabidologists Meeting, Warsaw, Poland. (Conference Paper, *Poster Presentation*)

Macatanong, J.M.; Nuñez, O.M.; Jaskuła, R. (2022). Parasitic *Hexathrombium* mites (Acari: Microtrombidiidae) and their association with adult tiger beetle *Cylindera (Ifasina) discreta elaphroides* collected from Bubong, Lanao Del Sur, Philippines. 30th Annual Philippine Biodiversity Symposium, Father Saturnino Urios University, Butuan City. (Conference Paper, *Poster Presentation*)

Macatanong, J. M.; Acal, D.A.P.; Jaskuła, R.; Plóciennik, M.; Nuñez, O. M. (2021). Anthropogenic pressure vs. tiger beetle diversity: an example from riverine habitats in Philippine tropical forest. (*unpublished, in-press*)

Jaskuła, R.; Acal, D.A. P.; **Macatanong, J. M.**; Café, G. C.; Cabras, A. A.; et al. (2020) Few years' study indicates narrow and very narrow habitat specialization in epigeic tiger beetles in southern part of Philippine mega-biodiversity hot spot and proves high value of these insects in nature conservation in tropical Asia. (*unpublished – in press*)

Cabrera, G.O.; **Macatanong, J. M.**; Nuñez, O. M.; Jaskuła, R. (2019). Two more hosts on three more islands – new distributional data on ectoparasitic mites from Philippine Cicindelidae. 16th Symposium of Polish Carabidologists. Conference Paper (*Poster Presentation*), Spała Landscape Park, Łódź, Poland

Certificate/Eligibility

Career Service – Professional Eligibility (April 14, 2013)

Civil Service Commission – Region X
Cagayan de Oro City, 9000 Misamis Oriental

Professional Organizations

Philippine Association of Physics and Science Instructors (PAPSI)

Regular Member, May 29, 2021 to present

BIOTA (Biology Teachers Association of the Philippines)

Regular Member, February 2021 to present

Green Convergence Philippines

Regular Member, February 2020 to present

Philippine Association of Entomologists, Inc.

Associate Member, March 15, 2019 to present

IMCC Natural Science Museum, Inc.

Board/Founding Member, February 2018 to present

Mindanao Association of Museums, Inc.

Regular Member, August 2018 to present

Grants and Awards

CHED K-12 Scholarship for Graduate Studies – Local

Granting agency: Commission on Higher Education
Program: Master of Science in Biology

DOST – Accelerated Science and Technology Human Resource Development Program (ASTHRDP)

Granting agency: Department of Science and Technology
Program: Doctor of Philosophy, major in Biology

References

OLGA M. NUÑEZA, Ph.D.

Thesis / Dissertation Adviser
Professor Emeritus, Department of Biological Sciences
College of Science and Mathematics, MSU-IIT
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RADOMIR JASKUŁA, Ph.D.

External Thesis / Dissertation Adviser
Department of Invertebrate Zoology & Hydrobiology
University of Lodz
Banacha 12/16, 90-237 Lodz, Poland
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AUBREY L. OBONA-YABO

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