

LIEF ERIKSON D. GAMALO, MSc

Date of Birth: December 29, 1994

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CURRENT AFFILIATION

Assistant Professor, University of the Philippines Mindanao
Faculty Staff, Philippine Genome Center in Mindanao

ACADEMIC BACKGROUND

Graduate Studies	University of the Philippines Los Baños (MSc Zoology) College, Los Baños, Laguna 2016-2018 Universiti Malaysia Sarawak (Attached Student) Kota Samarahan, Sarawak, Malaysia 2018
Tertiary	Leyte Normal University (BS Biology) Tacloban City 2011-2015
Secondary	Southern Samar National Comprehensive High School Balangiga, Eastern Samar 2007-2011

RESEARCH INTERESTS

- Wildlife Studies and Conservation
- Primate Biology
- Human-Wildlife Interactions Studies
- Wildlife Parasitology

TEACHING EXPERIENCE

- Assistant Professor 6, University of the Philippines Mindanao, Davao City, 2022-present
- Instructor 1, University of the Philippines Mindanao, Davao City, 2018-2022
- Visiting Instructor, Southern Leyte State University Tomas Oppus, Tomas Oppus, Southern Leyte, 2015

PROFESSIONAL/ACADEMIC ORGANIZATIONS

- Regular Member, National Research Council of the Philippines, DOST (NRCP051-12111)
- Member, IUCN SSC Primate Specialist Group East and Southeast Asia
- Member, IUCN SSC Specialist Group on Primate Human Interaction (Primate Tourism Section)
- Member, Asian Primatological Association
- Member, Phi Kappa Phi International Honor Society
- Member, Phi Sigma Biological Honor Society
- Member, Biodiversity Conservation Society of the Philippines

HONORS AND AWARDS

Honors, Awards & Recognition	Award/Honor Giving Body	Year
Gawad Chancellor Award Pinakamahusay na Guro 2023 Junior Faculty	University of the Philippines Mindanao	2023
ONE UP Faculty Grant 2022-2024	University of the Philippines	2022
Elected Regular Member of National Research Council of the Philippines	National research Council of the Philippines- Department of Science and Technology	2022
• Publication Incentive Awards	University of the Philippines	2022
• Publication Incentive Award	University of the Philippines	2021
• Publication Incentive Award	University of the Philippines	2019a
• Publication Incentive Award	University of the Philippines	2019b
• Young Researcher Award	Institute of Eastern Himalaya Biodiversity Research, Dali University	2018
• Outstanding Graduate Student Award	IBS-UPLB	2018
• Elected Member of Phi Kappa Phi International Honor Society	University of the Philippines	2018
• Elected Member of Phi Sigma Biological Honor Society	University of the Philippines	2018
• Publication Incentive Award	University of the Philippines	2018
• First Place, Research Poster Presentation	The Philippine Society of Parasitology	2017
• Academic Excellence Award (Cum Laude)	Leyte Normal University	2015
• Academic Proficiency in Biology	Leyte Normal University	2015
• Dean's Lister from 3 rd year to 4 th year	Leyte Normal University	2013-2015
• First Place, Science Research Competition, Tertiary Level- Life Science Category (Oral presentation)	Philippine Organization of Science and Technology Educators Region 8	2014

ACADEMIC/SCIENTIFIC IMPACT

- Google Scholar h-index= 5

JOURNAL PUBLICATIONS (*corresponding/first author)

- **Gamalo LED**, Cabrera SME, Reyes NCLDL, Cadiz AED, JR Chavez JB, Raganas AFM, Quibod MANRM. 2023. Inventory of terrestrial vertebrate wildlife species in a private-owned forest patch in Tagum City, Mindanao, Philippines. *Biodiversitas* 24: 1104-1116.
- Sabanal B, Achondo M J M, Alviola IV P, **Gamalo L E**, Responde M. Diversity of spiders (Araneae) in the anthropic land covers of Davao City, Philippines. *Journal of Animal Diversity* 2022; 4 (4) :28-39
- Torrefiel, J., Sabanal, B., Cuta, C.B., Embayarte, I., Modina, R.M., Cruz, C., Pogado, F., Ligue, K.D. and **Gamalo, L.E.**, 2022. A detailed assessment of threats to tarsiers and its habitat: A case of Tarsiers *Carlito syrichta* (Linnaeus, 1758) in Hindang, Leyte. *Journal of Wildlife and Biodiversity*, 6(X).
- **Gamalo LE***, Cabrera, S, Delos Reyes, C, De Cadiz, A., Chavez, J., Raganas, A., 2022. Masturbation in a Free-ranging Male Long-tailed Macaque *Macaca fascicularis* (Raffles, 1821) on Mindanao Island, Philippines. *Philippine Journal of Science*, 51 (6A): 2271-2274.
- Cuta CB., Balbuena RR., Sabanal BT., Modina RM., Torrefiel J., **Gamalo LD*** (2022). Notes on the defensive strategies of *Kalophrynus sinensis* Peters, 1867 against *Stegonotus*

muelleri (Duméril et al., 1854) predation on Leyte Island, Philippines. Herpetology Notes. Accepted with minor revision.

- Sabanal, B., Achondo, MJMM., Torrefiel, J., **Gamalo, LE***. (2022). Interspecific amplexus between *Kalophrynus sinensis* Peters, 1867 and *Occidozyga laevis* (Günther, 1858) on Mindanao Island, Philippines. Herpetology Notes. Accepted.
- Gaite, P., Aala, W., Bacus, M., Numeron, A., Labrador, C., **Gamalo, LE.**, Murao, LA., (2022) The first complete mitochondrial genome sequence of *Cynopterus brachyotis* (Müller, 1838) from the Philippines. Biodiversity Data Journal. 0: e72768
- **Gamalo, LE.***, Sabanal, B., Torrefiel, J. (2022). Predation on a Parachute Gecko *Gekko* sp. by Long-tailed Macaques *Macaca fascicularis* (Raffles, 1821) in Mt. Apo Natural Park, Philippines. Philippine Journal of Science. 151 (1).
- Chavez, J., Morris, H., Suan, G., **Gamalo, LE.**, Lastica-Ternura, E. (2021). Suspected African Swine Fever (ASF) mass die-offs in Philippine Warty Pigs (*Sus philippensis*) in Tagum City, Mindanao, Philippines. *Sueform Sounding*. 20 (1), 8-11.
- Sabanal, B., Achondo, MJM., **Gamalo, LE.**, Alviola, P., Responte, M. (2021). Local Community Perceptions of the Ecological and Socio-Economic Benefits of Spiders in Small-Scale Urban Green Spaces for Conservation Reinforcement. *Asian Journal of Conservation Biology*. 10 (1), 115-123
- Bacus, M., Burgos, S., Elizagaque, H., Malbog, K.M., Responte, M., **Gamalo, L.E.**, Achondo, M.J.M. Murao, L.A. (2021). Pilot Fecal DNA Barcoding on Selected Fruit Bats in Davao City, Philippines. *Philippine Journal of Science*. 150 (2): 545-555.
- Yurong, CY., Delima, AG., Estana, LM., **Gamalo, LE***, Achondo, MJMM. (2020). Community Structure of Road Associated *Avifauna* along the Urban Gradient in Mintal, Davao City, Southern Philippines. *Biodiversity Journal*. 11(3), 771-780.
- **Gamalo, L.E*.**, Sabanal, B., & Ang, A. (2021). Three Decades of Non-Human Primate Studies in the Philippines: Gaps and Opportunities for Philippine Primatology. *Primates*. <https://doi.org/10.1007/s10329-020-00847-w>. (**1 citation**)
- Suetos, K.J., Meneses, C., Pitogo, K.M., Tauli, J.I., Alvarez, J., **Gamalo, L.E***. (2020). Predation of *Platymantis luzonensis* Brown, Alcalá, Diesmos and Alcalá, 1997 on a Stick Insect (Insecta: Phasmatodea) in Mt. Makiling, Philippines. *Herpetology Notes*.13 (747-748).
- Gersava, J.R., Ates, F., Abad, R., Responte, M., Achondo, MJMM., **Gamalo, L.E.*** (2020). Native and Invasive Anuran Species in Urbanized areas in Davao City. *Biological Diversity and Conservation*. 8(1), 1-8. (**1 citation**)
- Ravalo, D.D., Gersava, J.R., Alojado, J., Achondo, M.J.M.M. & **Gamalo, L.E.***. (2019). Predation of Samar Cobra *Naja samarensis* Peters, 1861 on the invasive Cane Toad *Rhinella marina* (Linnaeus, 1758) in Davao City, Philippines. *Herpetology Notes*. 12 (1023-1025). (**4 citations**)
- Jabon, K.J.D., **Gamalo, L.E.**, Responte, M.A., Abad, R.G., Gementiza, G.D.C., Achondo, M.J.M.M. (2019). Density and diet of invasive alien anuran species in a disturbed landscape: A case in the University of the Philippines Mindanao, Davao City, Philippines. *Biodiversitas*. 20(9); 2554-2560. (**3 citations**)
- **Gamalo, L.E*.**, Dimalibot, J., Kadir, K.A., Singh, B., Paller, V.G. (2019). *Plasmodium knowlesi* and other malaria parasites in long-tailed macaques from the Philippines. *Malaria Journal*. 18:147 <https://doi.org/10.1186/s12936-019-2780-4>. (**9 citations**)
- **Gamalo, L. E.***, Baril, J., Dimalibot, J., Asis, A., Anas, B., Puna, N., & Paller, V. G. (2019). Nuisance behaviors of macaques in Puerto Princesa Subterranean River National Park, Palawan, Philippines. *Journal of Threatened Taxa*, 11(3), 13287-13294. (**2 citations**)
- Toledo, J.M., **Gamalo, L.E.***, Maligalig, M.D., Suetos, K.J., & Galapon, M. (2019). Estrous Cycle and Early Pregnancy of White Mice Exposed to Methomyl. *Pollution*. 5(2); pp. 279-286. (**3 citations**)
- **Gamalo, L.E.***, Baril, J. (2018). Effect of Road to Avian Diversity, Abundance and Richness in Selected Rice Fields along Laguna National Highway, Philippines. *Journal of Wetland Biodiversity*. 8: pp 7-17. (**4 citations**)

- **Gamalo, L.E.***, Cabanas, A.J., Suetos, K.J., Tauli, J.E., Vegafria, N.J., Tenorio, F.M., Galapon, M., & Balatibat, J. (2018). Awareness and Perception on Wildlife and Conservation of Teachers and College Students in Los Baños, Laguna Philippines. *Journal of Biodiversity and Environmental Sciences*. 12 (2); pp. (160-167). (3 citations)
- Paller, V.G., Kim, M.P., Abadilla, M.E., Bordado, M., Galapon, M. **Gamalo, L.E.** & Macalinao, C.A. (2017). Detection of *Cryptosporidium* and *Giardia* in Selected Recreational Pools in Pansol, Calamba, Laguna, Philippines. *Eco. Env. & Cons.* 23 (4): 2017; pp. (1945-1951). (7 citations)
- **Gamalo, L.E.*** (2014). Rediscovery of *Nepenthes samar*. *Planta Carnivora*, 36(2); pp. (22-27).

PROGRAM/PROJECT RESEARCH INVOLVEMENT

Programs

- **Program Leader** of Program HUMAIN (Human-Macaque Interface) funded by the Department of Science and Technology-National Research Council of the Philippines. (January 2021-December 2022).
- **Faculty Staff** for Project 3 the NICER Program: Center for Applied Modelling, Data Analytic, and Bioinformatics for Decision support system in Health funded by the Department of Science and Technology (February 2021-January 2023)
- **Faculty Staff** of Philippine Genome Center-Mindanao. Funded by the Department of Science and Technology (February 2019-present.)

Projects

- **Project Leader** BiodiversityKamp: Biodiversity Profiling in Mt. Kampalili, Maragusan, Davao De Oro, Philippines of UP Mindanao and the Provincial Government of Davao de Oro.
- **Co Project Leader** (Fauna) Hijo FORREST Project of the University of the Philippines Mindanao and Hijo Resource Corporation.
- **Co Project Leader** API Flora and Fauna of University of the Philippines Mindanao (Phase 2). (May 2021-present)
- **Project Leader** API Flora and Fauna of University of the Philippines Mindanao (Phase 1). (Completed)
- **Project Staff** of “Ecological Profiling of Urban Wetlands in Davao City, Philippines” by Interfacing Development Interventions for Sustainability (IDIS) Inc. (March-July 2021).
- **Project Leader** of “Haemoparasites of Bats from Southern Mindanao” Project. Funded by the University of the Philippines In-house research grant. (October 2019-present)
- **Co-Project Leader** of “Roadside diversity of anurans and birds in urbanized areas of Davao City” Project. Funded by the University of the Philippines In-house research grant. (October 2019-present)
- **Project Leader** of “Non-Invasive Molecular Characterization of Bats in Davao City using Mitochondrial Cytochrome Oxidase I Gene” Project. Funded by the University of the Philippines In-house research grant. (November 2018-December 2019). (Completed)
- **Principal Investigator** of the “Simian *Plasmodium* Parasites of Philippine Long-tailed macaques” Project. Collaborative Research Project of UPLB and UNIMAS (2017-2018). (completed)
- **Research Field Assistant** of the "Monitoring of Critical habitats and Critically Endangered Species in Palawan". Project of Palawan Council for Sustainable Development (PCSD) (June 2017). (completed)

SCHOLARSHIPS AND GRANTS

Scholarships

- DOST- ASTHRDP Scholarship, 2016-2018 (DOST)

- Academic Scholarship (Deans' Lister), 2013-2015 (LNU)
- Varsity Scholarship (Chess), 2012-2013 (LNU)

Grants

- National Research Council of the Philippines-GIA Grant, 2021 (NRCP-DOST)
- API UP Mindanao Funds, 2020-2021 (UP Mindanao)
- In-house Research Grant, 2019a (UP Mindanao)
- In-house Research Grant, 2019b (UP Mindanao)
- In-house Research Grant, 2018 (UP Mindanao)
- COOPERATE-OIL Grant, 2018 (UP system)
- Student Research Support Fund (SRSF) Grant, 2018 (DOST)
- DOST Outright Thesis Grant, 2017 (DOST)

RELEVANT TRAININGS/SHORT COURSES

Short Courses

- IPB Primate Research Center Online Summer Course for Primatology on October 5-6, 2020.
- The Habitat Boot Camp for Conservation Leaders & Changemakers 2019 on November 26-December 3, 2019 at the Habitat Penang Hill, Penang, Malaysia

Training

- Nucleic Acid Extraction and Basic Library Preparation for Next Generation Sequencing on May 20 to 24, 2019 at the Philippine Genome Center, University of the Philippines Diliman.
- Molecular analysis to detect malaria parasites at the Malaria Research Center, Universiti Malaysia Sarawak on January-April 2018.
- Biosafety and Biosecurity on its Biosafety Education and Awareness Training against COVID-19 (BEAT COVID-19) by UP National Training Center on April-May 2020.
- Basic GIS training held on March 18 and 19, 2017 at the Institute of Biological Sciences, UPLB, College Laguna by Phil-LIDAR 2.

CONFERENCE PRESENTATIONS

As Oral Presenter

- Fragmentation in an Archipelago: Issues and Challenges on the Research and Conservation of Non-human Primates in the Philippines. International Primatological Society Congress. January 9-15, 2022. Quito, Ecuador (**International Conference**).
- First draft of complete Mitochondrial Genome Sequence of *Cynopterus brachyotis* from Mindanao, Philippines. Biodiversity Genomics 2020 Conference, October 5-9, 2020 organized by Sanger Institute, UK (**International Conference**), see <https://www.youtube.com/watch?v=fj0r66nxP3s>
- Three Decades of Philippine Primate Studies: Research Gaps and Opportunities for Philippine Primatology. 1st International Biodiversity Conference, November 12-13, 2019 in the City of Mati, Davao Oriental, Philippines (**International Conference**).
- Roadside diversity and diet of anurans in highly urbanized areas, with a note on the predation of *Naja samarensis* on a cane toad. 28th Annual Philippine Diversity Symposium organized by the Biodiversity Conservation Society of the Philippines, August 13-16, 2019; Visayas State University, Baybay Leyte, Philippines (**National Symposium**).
- Presence of Zoonotic *Plasmodium* Parasites in Long-tailed Macaques in Puerto Princesa Subterranean River National Park (PPSRNP): A Reason for a Continuous Habitat Conservation. 6th Asian Primates Symposium & 5th Asian (Indochinese) Primates Conservation Symposium, October 19-23, 2018; Dali University, Yunnan, China (**International Symposium**).

- Human-macaque conflict in Puerto Princesa Subterranean River National Park (PPSRNP), Palawan, Philippines. International Society for Anthrozoology, July 2-5, 2018; Charles Perkins Center, University of Sydney, NSW, Australia (**International Conference**).
- Prevalence of *Plasmodium* spp. in Long-tailed macaques (*Macaca fascicularis* Raffles, 1821) in Palawan, Philippine. Philippine Society of Parasitology, Inc., 7-8, 2018; Mandaya Hotel, Davao City (**National Conference**).
- Detection of *Cryptosporidium* and *Giardia* in Selected Recreational Pools in Pansol, Calamba, Laguna, Philippines. Philippine Society of Parasitology, Inc., March 10-11, 2017; De La Salle University, Manila (**National Conference**).
- Fluid and Macroinvertebrate Composition of *Nepenthes Samar*. 15th Annual Regional Convention Seminar-Workshop of the Philippine Organization of Science and Technology Educators Region 8, November 14-16, 2014; Leyte Normal University, Tacloban City (**Regional Conference**).

As Poster Presenter

- Species assemblage and diet composition of anurans in selected agricultural areas in Davao City, Philippines. 28th Annual Philippine Biodiversity Symposium organized by the Biodiversity Conservation Society of the Philippines, August 13-16, 2019; Visayas State University, Baybay Leyte, Philippines (**National Symposium**).
- Teratogenic Effect of Orally Administered Methomyl on the Pregnant Albino Mice. 39th Annual Scientific Meeting of the National Academy for Science and Technology, July 13, 2018; Manila, Philippines (**National Conference**).
- Ectoparasite Fauna Associated with Fruit bats (Pteropodidae) in disturbed forests of Mt. Banahaw Dolores, Quezon. Philippine Society of Parasitology, Inc., March 10-11, 2017; De La Salle University, Manila (**National Conference**).

PRESENTATION AS A RESOURCE/INVITED SPEAKER

- Resource Person at the webinar entitled “Focusing on Philippine Biodiversity: the Philippine BioGenome Project” hosted by PGC's Program on Biodiversity, Ethnicity, and Forensics (PBEF) and UP Diliman's Institute of Biology (IB) on April 29, 2022.
- Resource Person for a webinar entitled “Career Talks: 2022” on April 2022, Science Unit, Leyte Normal University.
- Resource Person for the seminar workshop entitled “Re-strengthening the Research Capabilities of CAS-SC Faculty on April 19, 2021, Laguna State Polytechnic University.
- Resource Person during the 2021 MNH Biodiversity Seminar Series “Long-tailed macaques research and conservation: Updates from the Philippine population” held on 30 March 2021, 10:00 AM – 11:30 AM PST via Zoom, Museum of Natural History, UPLB.
- Invited resource speaker for snake Rehoming seminar on March 14, 2020 organized by the Malagos Garden Resort.
- Invited Speaker during the Slow and Slender Loris Online Conference on 24 October 2020 organized by the Little Fireface Project.
- Resource Speaker during the 2nd Regional Wildlife Summit on 09 March 2019 at the Atrium Building, UP Mindanao.
- Resource Speaker during the 2019 CSM Research Seminar in conjunction with the 24th Foundation Anniversary Celebration of UP Mindanao on 11 February 2019 at CSM Building, UP Mindanao.
- Resource Speaker for the CSM Research Colloquium held on 17 December 2018 at the Davao Eagle Ridge, Ulas, Davao City.

JOURNALS REVIEWED

- Serves as a reviewer of a manuscript for the Asian Primate Journal, 2021

- Serves as a reviewer of a manuscript for the Tropical Natural History, 2021
- Serves as a reviewer of a manuscript for the Journal for Nature Conservation, 2021
- Serves as a reviewer of a manuscript for the Journal for Environmental Sciences and Eco-Governance, 2020b
- Serves as a reviewer of a manuscript for the Journal of Threatened Taxa, 2020
- Serves as a reviewer of a manuscript for the UTTAR Pradesh Journal of Zoology, 2020
- Serves as a reviewer of a manuscript for the Journal for Environmental Sciences and Eco-Governance, 2020a
- Serves as a reviewer of a manuscript for the Biodiversitas Journal of Biological Diversity, 2020

EXTENSION AND DEVELOPMENT

- Technical Review Panel for Ministry of Science and Technology - BARMM (MOST-BARMM, 2022 call for proposal).
- Consultant in the Flora and Fauna Survey for the Proposed Davao High-Priority Bus System, by the Envia Consultancy, Inc. held on May 2021.
- Invited wildlife biologist to conduct a population assessment of Philippine warty pigs in Hijo Forest of Hijo Resources Corporation, by the Department of Environment and Natural Resources XI on October 14-16, 2020.
- International Committee member of the 7th Asian Primate Symposium 2020 and the 1st International Conference on Human-Primate Interface organized by the Asian Primatological Association.
- Judge during the 5th Regional Wildlife Quizbowl during the 2nd Regional Wildlife Summit on 09 March 2019 at the Atrium Building, UP Mindanao.
- Volunteer during the Museum of Natural History 2018 Summer Short Course held on 23-29 April 2018 at the Museum of Natural History, UPLB, College Laguna
- Volunteer during the Museum of Natural History 2017 Summer Short Course held on 17-23 April 2017 at the Museum of Natural History, UPLB, College Laguna.
- Volunteer during the Training Course on Zoological Techniques: Capacity Building on Collection, Preservation, and Identification of Selected Vertebrae and Invertebrate Systems held on 3-7 July 2017 at the Animal Biology Division, Institute of Biological Sciences, UPLB, College Laguna.
- Member of the Organizing Committee of a seminar entitled “One Health: An Emerging Approach to Environment and Human Health” held on May 2017 in the IWEP Auditorium, Institute of Biological Sciences UPLB, College Laguna.

MEDIA OUTREACH AND CONSULTANCY

- Invited researcher for a TV episode of Dapat alam Mo GMA News TV on macaques as pets. (link: <https://www.youtube.com/watch?v=GyV1KRzI8yM&t=213s>)
- Invited researcher for a TV episode about “Primate Planet” by Born to be Wild GMA 7 streamed locally and internationally. (link: <https://www.youtube.com/watch?v=nixzryUeUWw&t=392s>), 2022.
- Invited researcher to conduct biodiversity assessment and interview about wildlife interaction with humans by Malagos Garden Resort. See video in official YouTube channel of MGR (<https://www.youtube.com/watch?v=B4XGbw3heF4>), 2021
- Invited researcher for a TV episode “Close Contact: Macaques” by Born to be Wild GMA 7 streamed locally and internationally. Link (https://youtu.be/vo_fSMpDvaw), 2020
- Invited wildlife expert for a News report by TV Patrol Southern Mindanao ABS-CBN about “Albino bats in Samal Island, Davao City” (link: <https://www.youtube.com/watch?v=NQzOMaR1iT0>), 2020.

- Invited researcher for a TV episode about “Wildlife within a City” by Born to be Wild GMA 7 streamed locally and internationally. (link: <https://www.youtube.com/watch?v=dgPeAwQVJkU>), 2020.
- Invited researcher for a TV episode about “Monkeys and Malaria Parasites” by Born to be Wild GMA 7 streamed locally and internationally. (link: <https://www.youtube.com/watch?v=nLOT11AqIT8&t=24s>), 2019.
- Invited researcher for an Online TV interview on Primates and Philippine long-tailed macaques by Kwentong Likas Yaman by Noon Break Media streamed in facebook.com (<https://www.facebook.com/NBMonlineTV/videos/630693940760667/?t=2>), 2019.
- Invited researcher for an Online TV interview on Primates, Philippine tarsier and Philippine slow Loris by Kwentong Likas Yaman by Noon Break Media streamed in facebook.com (link: <https://www.facebook.com/NBMonlineTV/videos/726932891066615/?t=0>), 2019.

CIVIL ELIGIBILITY

- Honor Graduate Eligibility (2015) given by the Civil Service Commission of the Philippines

SUPERVISIONS/ MENTORING

- Adviser of 20 BS Biology thesis students of the University of the Philippines Mindanao (2018-Present)