

JELAINE L. GAN, UNIVERSITY OF THE PHILIPPINES Local Coordinator

Bibliographic sketch narrative (max. 300 words)

I am a Filipino biologist, educator, and conservation advocate dedicated to protecting the rich tropical biodiversity of the Philippines. My research interest focuses on the ecology of birds and other vertebrates, particularly on topics of migration, population ecology, and movement ecology. Some of the approaches I use are citizen science, telemetry/GPS tracking, bioacoustics, and other remote sensing techniques. For my PhD, I studied how habitat fragmentation is affecting bird communities and movement in the forest landscapes of Luzon, Philippines, as well as the cascading effects on bird-mediated seed dispersal. Currently, my focus is on the use of passive acoustic monitoring and AI species classifier to study avian ecology and forest ecosystem health.

As an assistant professor at the University of the Philippines, I teach both lecture and laboratory classes in general ecology, general biology, vertebrate biology, conservation biology, and evolutionary ecology. I enjoy bringing students to the field and show them what we got to protect. Aside from teaching and research, I lead several outreach projects involving citizen science, such as the Facebook and Instagram page "The UP Wild," which aims to raise appreciation for the urban biodiversity present in the UP Diliman campus, and organize public nature walks and forums.

1	Family name	Gan		
2	First name	Jelaine		
3	Place and Date of birth	Manila, Philippines; 21 June 1996		
4	Nationality	Filipino		
5	E-mail	jlgan@up.edu.ph		
6	Education / Professional studies			
	Dates (from-to)	Institution	Degree/diploma	
	2022 - 2025	Newcastle University, UK	PhD Biology	
	2017 – 2020	University of the Philippines - Diliman	MS Biology	
	2013 – 2017	University of the Philippines - Diliman	BS Biology	
7	Language skills Grade skill 1-5 (1 = basic, 5 = excellent, * = mother tongue)			
	Language	Speaking	Reading	Writing
	Filipino	*	*	*
	English	5	5	5
	Chinese (Mandarin)	1	1	1

8	Membership of professional bodies		
	National Research Council of the Philippines Asian Raptor Research and Conservation Network Phi Sigma Biological Sciences Honor Society		
9	Other Skills		
	Bird ringing; Wildlife survey techniques		
10	Name of organisation currently working for and Present position in the organisation	Assistant Professor; University of the Philippines (UP), Diliman	
11	Years with the organisation	9	
12	Long-term experience in selected countries/territories		
	Country	Date	Details
	United Kingdom	2022-2025	3-year PhD studies
13	Professional experience record		
	Location	Date	Organisation
1	Quezon City, Philippines	2017-present	University of the Philippines (UP), Diliman
	Position	Assistant Professor	
	Responsibilities	Conduct teaching, research, and extension activities	
14	Publications		
	Number of publications in peer-reviewed journals		
	14		
	10 publications that are most representative in the field of tropical biodiversity and ecosystems		
	1. Gan, J. L., Meyer, K. M., Pfeifer, M., Soroño, T. C., Torio, E. S., van Weerd, M., Gatan-Balbas, M. & Shirley, M. D. F. (2026). Retaining fruiting trees in the agricultural matrix is important for bird-mediated seed dispersal in a fragmented forest landscape. <i>Ecological Modelling</i>, 520, 111701. https://doi.org/10.1016/j.ecolmodel.2026.111701 2. Gan, J. L., Pfeifer, M., Soroño, T. C., Gicaraya, V. A., Torio, E. S., van Weerd, M., Gatan-Balbas, M., Shirley, M. D. F. (2025) Effect of local and landscape variables on bird communities in forest-agricultural mosaics in Northeast Luzon, Philippines. <i>Biotropica</i>, 57(5), e70076. https://doi.org/10.1111/btp.70076 3. Gan, J. L., Grainger, M. J., Shirley, M. D. F., Davis, S., Watson, M., Dube, S., & Pfeifer, M. (2025). Effectiveness of perches in promoting bird-mediated seed dispersal for		

	natural forest regeneration: a systematic review. <i>Environmental Evidence</i>, 14(1), 10. https://doi.org/10.1186/s13750-025-00363-8 4. Gomez, S., English, H. M., Bejarano Alegre, V., Blackwell, P. G., Bracken, A. M., Bray, E., Evans, L. C., Gan, J. L..... & Börger, L. (2025). Understanding and predicting animal movements and distributions in the Anthropocene. <i>Journal of Animal Ecology</i>, 94(6), 1146-1164. https://doi.org/10.1111/1365-2656.70040 5. Castro, J. C., Gan, J., & Longnecker, N. (2025). Participatory Exhibitions as An Awareness-raising Platform for Bird Window Collisions. <i>CSID journal of infrastructure development</i>, 8(1), 90-106. https://doi.org/10.7454/jid.v8.i1.1179 6. Diaz, S. D. U., Gan, J. L., & Tapang, G. A. (2023). Acoustic indices as proxies for bird species richness in an urban green space in Metro Manila. <i>PLoS ONE</i>, 18(7), e0289001. https://doi.org/10.1371/journal.pone.0289001 7. Gan, J. L., Tiongco, A. M., Cervero, M. T. A., Ilustrisimo, L. G., Matipo, S. R., Doca, E. G., & Española, C. P. (2023). Spring Migration of Diurnal Raptors in Northern Luzon, Philippines, along the Oceanic Flyway in 2015 and 2016. <i>Journal of Raptor Research</i>, 57(3), 1-8. https://doi.org/10.3356/JRR-22-63 8. Gan, J. L., and Española, C. P. 2022. Road transect surveys and mapping of forest raptor communities in Luzon, Philippines. <i>Journal of Asian Ornithology</i>, 38(2022), 34-40. https://www.researchgate.net/publication/368463198_Road_transect_surveys_and_mapping_of_forest_raptor_communities_in_Luzon_Philippines 9. Gan, J. L., Tapang, G. A., & Española, C. P. 2022. First description of the breeding biology of the North Philippine Hawk-Eagle (<i>Nisaetus philippensis</i>). <i>The Wilson Journal of Ornithology</i>, 134(1), 77-85. https://doi.org/10.1676/21-00018 10. Pasumbal, R. V., Gan, J. L., Solidum, G. J. N., & Navarra, N. L. (2022). An updated inventory and habitat association analysis of the non-avian vertebrates of the University of the Philippines (UP) Diliman. <i>Science Diliman</i>, 34(1). https://saliksik.upd.edu.ph/storage/submission/pdf/manuscripts/FDeDpqbQxUUjiEQ4VZhjXsdc7zDdPCRbea9K2Kw.pdf
15	Number of conference presentations (between brackets invited contributions)
	International : 4, National : 4
16	Most important awards

	Award	Award date	Issuing organisation
1	UP Centennial Distinguished Professorial Chair	2025	Energy Development Corporation