

## PNGUNRE STAFF SCIENTIFIC PUBLICATION LIST (2020-2025)

**Tagged:** SCI / SSCI (high impact factor)

**Period of tracking:** 5 years (2020 – 2025)

### 2025 (1 x publication – ongoing)

1. Jannet A. Tobon Ramos, Tobias Maure, Lenore Carias, Daphne Lew, Charles Goss, Anna Samuel, **Livingstone Tavul**, Peter U. Fischer, Gary J. Weil, Moses Laman, Leanne J. Robinson, William Pomat, Christopher L. King. 2025. *Impact of mass drug administration with ivermectin, diethylcarbamazine, and albendazole for lymphatic filariasis on hookworm and Strongyloides stercoralis infections in Papua New Guinea*. *PLoS Neglected Tropical Diseases*. 19(3). DOI: <https://doi.org/10.1371/journal.pntd.0012851>

### 2024 (9 x publications)

2. Sheng-Yuan Teng, Sandipan Mondal, Quang-Huy Lu, Platinasoka Lin, Ming-An Lee, and **Louis George Korowi**. 2024. Distribution Patterns of Grey Mullet in the Taiwan Strait in Relation to Oceanographic Conditions. *Journal of Marine Science and Engineering*. MDPI Publishers. DOI: <https://doi.org/10.3390/jmse12040648>
3. Sandipan Mondal, Aratrika Ray, **Malagat Boas**, **Sawai Navus**, Ming-An Lee, Subhadip Dey, Koushik Kanti Barman. 2024. *Can the delayed effects of climatic oscillations have a greater influence on global fisheries compared to their immediate effects?* *PLoS ONE*. DOI: <https://doi.org/10.1371/journal.pone.0307644>
4. **Maraia, H.**, Charles-Dominique, T., Tomlinson, K. W., Staver, A. C., Jorge, L. R., et al. 2024. *Substantial insect herbivory in a South African savanna-forest mosaic: A neglected topic*. *Ecology and Evolution*, 14(11), e70466. DOI: <https://doi.org/10.1002/ece3.70466>
5. Sivault, E., Kollross, J., Jorge, L. R., Finnie, S., Diez-Méndez, D., **Maraia, H.**, et al. 2024. *Insectivorous birds and bats outperform ants in the top-down regulation of arthropods across strata of a Japanese temperate forest*. *Journal of Animal Ecology*, 93(11), 1622–1638. DOI: <https://doi.org/10.1111/1365-2656.14082>
6. Sundue, M., & **Maraia, H.** 2024. *Field work in Papua New Guinea documents seven new records of a hemiepiphytic habit in ferns*. *Plants*, 13(8), 1104. DOI: <https://doi.org/10.3390/plants13081104>
7. Ismaeel, A., Tai, A. P. K., Santos, E. G., **Maraia, H.**, Aalto, I., Altman, J., & Doležal, J. 2024. *Patterns of tropical forest understory temperatures*. *Nature Communications*, 15(1), 549. DOI: <https://doi.org/10.1038/s41467-023-44554-6>
8. Sam, K., Mrazova, A., Houska Tahadlova, M., Kollross, J., & **Maraia, H.** 2024. *Impact of predators on arthropod herbivores and herbivory along mountain ranges on islands versus mainland*. In: Moreira, X., Abdala-Roberts, L. (eds) *Ecology and*

*Evolution of Plant-Herbivore Interactions on Islands*. *Ecological Studies*, vol 249. Springer, DOI: [https://doi.org/10.1007/978-3-031-47814-7\\_11](https://doi.org/10.1007/978-3-031-47814-7_11)

9. **Sinafa Robby**, Monalisa P. Kas, Kevin Soli, Glennis Rai, Andrew R. Greenhill, **Lloyd Werry**, **Stephanie Tringin**, **Kathleen Diapong**, **Aisak Pue**, William Pomat, **Kari Iamba**, Paul F. Horwood, and Mohammad Yazid Abdad. 2024. *Prevalence of enteric pathogens in shellfish in Madang Province of Papua New Guinea*. *PNG Medical Journal*. Link: <https://www.publish.csiro.au/mj/MJ21003>
10. Mubarak Mammel, Ming-An Lee, Yi-Chen Wang, Arpita Ghosh, Yu-Kai Chen, Milena Vijayan Matilda & **Sawai Gwyneth Navus**. 2024. *Unraveling the feeding strategies of the greater amberjack: insights into size-dependent dietary patterns and environmental influences in Taiwanese waters*. *Fisheries Science*. Springer Nature Publishers. DOI: <https://doi.org/10.1007/s12562-024-01808-8>

### **2023 (4 x publications)**

11. Sandipan Mondal, Aratrika Ray, Ming-An Lee, and **Malagat Boas**. 2023. *Projected Changes in Spawning Ground Distribution of Mature Albacore Tuna in the Indian Ocean under Various Global Climate Change Scenarios*. *Journal of Marine Science and Engineering*. MDPI Publishers. DOI: <https://doi.org/10.3390/jmse11081565>
12. Meng-Chou Lee, Han-Yang Yeh, Chun-Ming Chang, Yu-Fu Liou, Fan-Hua Nan and **Jane Wungen-Sani**. 2023. *Tracking and Utilizing Sargassum, an Abundant Resource from the Caribbean Sea*. *Water*. MDPI Publishers. DOI: <https://doi.org/10.3390/w15152694>
13. Wei Qing Chloe Lung, **Jane Wungen-Sani**, Chi-Cheng Huang, Chien-Li Chen, Hung-Chih Lai, Yeh-Fang Hu, Po-Tsang Lee, Fan-Hua Nan, Han-Yang Yeh & Meng-Chou Lee. 2023. *Identification of Rhodosorus marinus isolated in Taiwan and study on its optimum culture conditions*. *Journal of Applied Phycology*. Springer Nature Publishers. Volume 35, pages 1317–1329, (2023). DOI: <https://doi.org/10.1007/s10811-023-02926-z>
14. Tiberius Jimbo, Simon Saulei, **Jimmy Moses**, Balun Lawong, Graham Kaina, Robert Kiapranis, Abe Hitofumi, Vojtech Novotny, Fabio Attorre, Riccardo Testolin, Daniele Cicuzza. 2023. *Beyond the Trees: A Comparison of Nonwoody Species, and Their Ecology, in Papua New Guinea Elevational Gradient Forest*. *CASE STUDIES IN THE ENVIRONMENT*. University of California Press. 7 (1): 1831407. DOI: <https://doi.org/10.1525/cse.2023.1831407>

### **2022 (10 x publications)**

15. Myo T. Naung, Elijah Martin, Jacob Munro, Somya Mehra, Andrew J. Guy, Moses Laman, G. L. Abby Harrison, **Livingstone Tavul**, Manuel Hetzel, Dominic Kwiatkowski, Ivo Mueller, Melanie Bahlol, Alyssa E. Barry. 2022. *Global diversity and balancing selection of 23 leading Plasmodium falciparum candidate vaccine*

16. Moses Laman, **Livingstone Tavul**, Stephan Karl, Bethuel Kotty, Zebede Kerry, Stephen Kumai, Anna Samuel, Lina Lorry, Lincoln Timinao, S Cade Howard, Leo Makita, Lucy John, Sibauk Bieb, James Wangi, Jeffrey M Albert, Michael Payne, Gary J Weil, Daniel J Tisch, Catherine M Bjerum, Leanne J Robinson, Christopher L King. 2022. *Mass drug administration of ivermectin, diethylcarbamazine, plus albendazole compared with diethylcarbamazine plus albendazole for reduction of lymphatic filariasis endemicity in Papua New Guinea: a cluster-randomised trial*. **The Lancet Infectious Diseases**. DOI: [https://doi.org/10.1016/S1473-3099\(22\)00026-3](https://doi.org/10.1016/S1473-3099(22)00026-3)
17. **Livingstone Tavul**, Moses Laman, Cade Howard, Bethuel Kotty, Anna Samuel, Catherine Bjerum, Kobie O'Brian, Steven Kumai, Matthew Amuga, Lina Lorry, Zebedee Kerry, Melvin Kualawi, Stephan Karl, Leo Makita, Lucy N. John, Sibauk Bieb, James Wangi, Gary J. Weil, Charles W. Goss, Daniel J. Tisch, William Pomat, Christopher L. King, Leanne J. Robinson. 2022. *Safety and efficacy of mass drug administration with a single-dose triple-drug regimen of albendazole + diethylcarbamazine + ivermectin for lymphatic filariasis in Papua New Guinea: An open-label, cluster-randomised trial*. **PLoS Neglected Tropical Diseases**. 16(2): DOI: <https://doi.org/10.1371/journal.pntd.0010096>
18. Jo Middleton, Gavin Colthart, Francesca Dem, Alice Elkins, James Fairhead, Richard J Hazell, Michael G Head, Joao Inacio, Mavis Jimbudo, Christopher Iain Jones, Moses Laman, Hayley MacGregor, Vojtech Novotny, Mika Peck, Jonah Philip, **Jason Paliau**, William Pomat, Jessica A Stockdale, Shen Sui, Alan J Stewart, Ruma Umari, Stephen L Walker, Jackie A Cassell. 2022. *Health service needs and perspectives of a rainforest conserving community in Papua New Guinea's Ramu lowlands: a combined clinical and rapid anthropological assessment with parallel treatment of urgent cases*. **BMJ Open**. DOI: <https://doi.org/10.1136/bmjopen-2023-075946>
19. **Jason Paliau**, Alfred Mani, Lui Napa, Cassey Uvau, Steven Sau, Robert Kiapranis, Paul Dargusch, Fabio Attorre, Vojtěch Novotný. 2022. *Geometrid Moth Species Richness, Distribution and Community Composition in Different Forest Types of Papua New Guinea*. **CASE STUDIES IN THE ENVIRONMENT**. 6 (1): 1474225 University of California Press. DOI: <https://doi.org/10.1525/cse.2022.1474225>
20. Sarah Javati, Vanina Guernier-Cambert, Marinjho Jonduo, **Sinafa Robby**, Jobb Kimopa, Tobias Maure, Emma S. McBryde, William Pomat, Ken Aplin, Kristofer M. Helgen, Mohammad Yazid Abdad, Paul F. Horwood. 2022. *Diversity of Leptospira spp. in bats and rodents from Papua New Guinea*. **TRANSBOUNDARY AND EMERGING DISEASES**. Wiley Publishers. DOI: <https://doi.org/10.1111/tbed.14725>

21. **Lloyd P. Werry**, Mirco Bundschuh, Simon M. Mitrovic, Richard P. Lim, Ben J. Kefford. 2022. *Leaf litter breakdown along an elevational gradient in Australian alpine streams*. *Ecology and Evolution*. Wiley Publishers. DOI: <https://doi.org/10.1002/ece3.9433>
22. Mirjam Hazenbosch<sup>1</sup>, Shen Sui, Brus Isua, Emilie Beauchamp, Alfred Kik, Grace Luke, Petr Matouš, Rebecca J. Morris, **Jason Paliau**, E. J. Milner- Gulland. 2022. *Quantifying unintended effects of an agroecological research project on farmers' practices and social network in Papua New Guinea*. *People and Nature*. Wiley Publishers. DOI: <https://doi.org/10.1002/pan3.10404>
23. Ming-An Lee, Sandipan Mondal, Jun-Hong Wu, **Malagat Boas**. 2022. *Total catch variability in the coastal waters of Taiwan in relation to climatic oscillations and possible impacts*. *Journal of the Fisheries Society of Taiwan*. DOI: [https://doi.org/10.29822/JFST.202206\\_49\(2\).0006](https://doi.org/10.29822/JFST.202206_49(2).0006)
24. **Limai Lan** and **Simon Kennas**. 2022. *Effects of Low Pasture Quality on Body Condition Score and Reproductive Performance of Beef Cattle*. *International Journal of Dairy Science*. DOI: <https://doi.org/10.3923/ijds.2022.13.23>

#### **2021 (2 x publications)**

25. A. Nongas, S. Aimot, R. Goirand, and **P. Nguna**. AFLATOXIN, *BACTERIA and CHEMICALS*. 2021. In R. Bourdeix, J. M. Sourisseau & J. Lin, J. (Eds.). *Coconut Risk Management and Mitigation Manual for the Pacific Region* (pp.120-123). *Land Resource Division – South Pacific Commission (SPC)*. DOI: [https://www.spc.int/DigitalLibrary/Doc/LRD/LRD\\_Thematic/Coconut/Production/56899\\_FINAL\\_14\\_12\\_2021\\_Coconut\\_Risk\\_Manual\\_web\\_version\\_5.pdf](https://www.spc.int/DigitalLibrary/Doc/LRD/LRD_Thematic/Coconut/Production/56899_FINAL_14_12_2021_Coconut_Risk_Manual_web_version_5.pdf)
26. Alison Krentel, Nandha Basker, Madsen Beau de Rochars, Joshua Bogus, Daniel Dillliott, Abdel N. Direny, Christine Dubray, Peter U. Fischer, Adriani Lomi Ga, Charles W. Goss, Myra Hardy, Cade Howard, Purushothaman Jambulingam, Christopher L. King, Moses Laman, Jean Frantz Lemoine, Shruti Mallya, Leanne J. Robinson, Josaia Samuela, Ken B. Schechtman, Andrew C. Steer, Taniawati Supali, **Livingstone Tavul**, Gary J. WeillID. 2021. A multicenter, community-based, mixed methods assessment of the acceptability of a triple drug regimen for elimination of lymphatic filariasis. *PLoS Neglected Tropical Diseases*. 15(3): DOI: <https://doi.org/10.1371/journal.pntd.0009002>

#### **2020 (4 x publications)**

27. **Caleb Manamik Breria**, Ching Hsiang Hsieh, Jo-Yi Yen, Ramakrishnan Nair, Chen-Yu Lin, Shu-Mei Huang, Thomas J. Noble & Roland Schafleitner. 2020. *Population Structure of the World Vegetable Center Mungbean Mini Core Collection and Genome-Wide Association Mapping of Loci Associated with Variation of Seed Coat Luster*. *Tropical Plant Biology*. Springer Nature Publishers. 13, 1–12 (2020). DOI: <https://doi.org/10.1007/s12042-019-09236-0>

28. **Caleb Manamik Breria**, Ching-Hsiang Hsieh, Tsair-Bor Yen, Jo-Yi Yen, Thomas J. Noble and Roland Schafleitner. 2020. *A SNP-Based Genome-Wide Association Study to Mine Genetic Loci Associated to Salinity Tolerance in Mungbean (*Vigna radiata* L.)*. **GENES**. MDPI Publishers. DOI: <https://doi.org/10.3390/genes11070759>
29. Rintis Noviyanti, Olivo Miotto, Alyssa Barry, Jutta Marfurt, Sasha Siegel, Nguyen Thuy-Nhien, Huynh Hong Quang, Nancy Dian Anggraeni, Ferdinand Laihad, Yaobao Liu, Maria Endang Sumiwi, Hidayat Trimarsanto, Farah Coutrier, Nadia Fadila, Najia Ghanchi, Fatema Tuj Johora, Agatha Mia Puspitasari, **Livingstone Tavul**, Leily Trianty, Retno Ayu Setya Utami, Duoquan Wang, Kesang Wangchuck, Ric N. Price, and Sarah Auburn. 2020. *Implementing parasite genotyping into national surveillance frameworks: feedback from control programmes and researchers in the Asia-Pacific region*. **Malaria Journal**. 19(1). DOI: <https://doi.org/10.1186/s12936-020-03330-5>
30. Olivo Miotto, Makoto Sekihara, Shin-Ichiro Tachibana, Masato Yamauchi, Richard D. Pearson, Roberto Amato, Sonia Gonçalves, Somya Mehra, Rintis Noviyanti, Jutta Marfurt, Sarah Auburn, Ric N. Price, Ivo Mueller, Mie Ikeda, Toshiyuki Mori, Makoto Hirai, **Livingstone Tavul**, Manuel W. Hetzel, Moses Laman, Alyssa E. Barry, Pascal Ringwald, Jun Ohashi, Francis Hombhanje, Dominic P. Kwiatkowski, Toshihiro Mita. 2020. *Emergence of artemisinin-resistant *Plasmodium falciparum* with kelch13 C580Y mutations on the island of New Guinea*. **PLoS Pathogens**. 16(12): DOI: <https://doi.org/10.1371/journal.ppat.1009133>

## 5 Year Publication Statistics for Papua New Guinea University of Natural Resources and Environment

<b>Tracking Period:</b>	2020 to 2025 (5 years)
<b>Number of Published Impact Articles:</b>	30
<b>Average Publication per annum:</b>	6 x SCI articles per year
<b>First authorship / Corresponding authorship:</b>	8 x SCI articles (in 5 years)
<b>Most productive year:</b>	2022 (10 x SCI articles)
<b>Most unproductive year:</b>	2021 (2 x SCI articles)
<b>2025 progress tracking (ongoing):</b>	1 x article