

Maia Raymundo

Australian Research Council Centre of Excellence for Coral Reef Studies
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Education and Appointments

2021-2023 Princeton University; US Forest service, Hilo	Smith Postdoctoral Fellow Project: Loss of a key frugivore disperser: assessing effects on ecosystem structure and identifying priority areas for restoration Advisors: Dr. Robert Pringle, Dr. Susan Cordell
2019 University of Queensland	PhD in Ecology Dissertation: The role of dispersal in invaded plant community assembly Advisor: Dr. Margaret Mayfield
2014 University of Guam	B.A. & MSc. in Biology Thesis: A molecular and ethno-biological study of the Philippine Bare-backed fruit bat: An integrated approach Advisor: Dr. Ross Miller

Grants, Awards, and Fellowships

2021-2023	David H. Smith Conservation Research Postdoctoral Fellowship
2019	Council of Australasian Weed Society Student Travel Grant recipient
2018-2019	University of Queensland Candidate Development Award recipient
2017-2018	Joan Allsop Grant recipient
2017	Northern Agricultural Catchments Council grant recipient for Western Australia Threatened Species Forum (declined)
2016	1 st Place: Australian Flora Foundation Young Scientist Award, Ecological Society of Australia
2015-2019	University of Queensland International Postgraduate Full Tuition Scholarship
2015-2019	University of Queensland International Postgraduate Living Allowance Scholarship
2014	University of Guam Presidential Thesis Awardee
2012-2013	National Geographic Young Explorer
2009	1 st Place: OTS Symposium Best Research Paper
2009	Organization for Tropical Studies – Summer REU Fellow
2008	2 nd Place: President's Prize Poster Award, Entomology Society of America Conference
2007-2009	University of Guam Dean's List for Academic Excellence
2007-2009	National Institutes of Health – Research Initiatives for Scientific Enhancement Fellow

Publications

Published

- Castro-Díez, P., et al. 2019. Global effects of non-native tree species on multiple ecosystem services. *Biological Reviews*, 94(4), 1477-1501.
- Caballes, C.F., Pratchett, M.S., Raymundo, M.L., Rivera-Posada, J.A. 2017. Environmental tipping points for sperm motility, fertilization, and embryonic development in the crown-of thorns starfish, *Acanthaster cf. solaris*. *Diversity* 9(1): 1 –18.
- Raymundo, M.L. & C.F. Caballes. 2016. An insight into bat hunter behavior and perception with implications for the conservation of the critically endangered Philippine bare-backed fruit bat. *Journal of Ethnobiology* 36(2): 382–394.
- Raymundo, M.L. & C.F. Caballes. 2013. Predator exposure and size-related variation in web building and web-decorating behavior in *Argiope appensa*. *Micronesica* 7:1–15
- Raymundo, M.L. & R.H. Miller. 2012. Little fire ant, *Wasmannia auropunctata* (Roger) (Hymenoptera: Formicidae), established at several locations on Guam. *Proceedings of the Hawaiian Entomological Society* 44:85–87
- Raymundo, M.L. 2009. Plant functional traits as indicators of resistance or resilience to climate change. OTS-NAPIRE Research Report 111–122 (Non peer-reviewed)

In review, submitted, or in prep.

- Caballes, C.F., Messmer, V., Raymundo, M.L., Pratchett, M.S. (in review). Prevalence and severity of sub-lethal injuries in crown-of-thorns sea stars relative to marine reserves in The Great Barrier Reef. *Aquatic Conservation: Marine and Freshwater Ecosystems*
- Pratchett, M.S., et al. (in review). Knowledge Gaps in the Biology, Ecology and Management of Pacific Crown-of-Thorns Starfish, *Acanthaster cf. solaris*, on Australia's Great Barrier Reef. *The Biological Bulletin*
- Raymundo, M.L., Pastore, A., HilleRisLambers, J. & Mayfield, M.M. (in review). Annual rainfall variation and dispersal limitation combine to alter invaded plant community diversity, dominance hierarchies and seeding phenology. *Climate Change Ecology*
- Suarez-Casto, F., Raymundo, M., Bimler, M., & Mayfield, M.M. (in review). Using multi-scale spatially explicit frameworks to understand the relationship between functional diversity and species richness. *Ecography*
- Kerr, A. M., et al. (in review). Long-term lowest incidence of web-decorating by spiders in the Mariana Islands, Micronesia. *Proceedings of the National Academy of Sciences*
- Germain, R. M., Urquhart-Cronish, M., Jones, N.T., Mayfield, M.M., & Raymundo, M. (submitted). The evolution of interactions in ecological communities.
- Reynolds, V., Martyn, T., Bowler, C., Elmer, C., Lopez-Cubillos, S., Raymundo, M., Mayfield, M. (submitted). Equitable gender ratios in biology graduate students is not upheld in publication output.
- Raymundo, M.L. & Mayfield, M.M. (in prep). The role of novel ant interactions in the assembly of invaded communities.
- Raymundo, M.L., Caballes, C.F., Lindstrom, D. (in prep). Taxonomically distinct critically endangered fruit bat calls for conservation of species.
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Relevant Work Experience

- ARC Centre of Excellence for Coral Reef Studies, James Cook University
 - Position: Research Associate (2020-current)
- The University of Queensland
 - Position: PhD student (2015 – 2019)
- The University of Queensland; Athena Swan Grant Proposal for Gender Equity in STEMM *Received Athena Swan Institutional Bronze Award
 - Position: Data analyst (2018 – 2019)
- Plant Pathology Lab, Gov't. of Guam Department of Agriculture & University of Guam
 - Position: Lab Manager & Research Associate (2014 – 2015)
- Garcia and Associates Natural and Cultural Resource Consultants, Guam
 - Position: Contractual Biologist/Environmental Consultant (2014)
- USDA-APHIS, University of Guam & Commonwealth of the Northern Marianas Islands
 - Position: Entomologist (2010 – 2014); Graduate student researcher (2011 – 2014)
- National Geographic Society Young Explorers Project, Negros Island, Philippines
 - Position: Principal Investigator (2012 – 2013)
- National Science Foundation – Ecology of Bird Loss (NSF-EBL), Guam & CNMI
 - Position: Field Technician (2009 – 2010)
- Organization for Tropical Studies, Costa Rica
 - Position: Research Fellow (June – August 2009)
- NIH-RISE, University of Guam
 - Position: Undergraduate Research Scholar (2007–2009)

Symposia and Workshops

- University of Guam College of Natural and Applied Sciences 1st Undergraduate STEM Conference, 2021, Guam
 - Panel Speaker: Imposter Syndrome in the PhD: Finding Strength in Identity
- Ecology and Management of Alien Plant Invasions 2019, Prague, Czechia
 - Raymundo, M.L., Dwyer, J.D. & Mayfield, M.M. Native seed recruitment limitation in an invaded community: consequences for community assembly
- Ecology Society of Australia Annual Conference 2018, Brisbane, Queensland
 - Raymundo, M.L. & Mayfield, M.M. The role of ants in novel community assembly
- Ecology Society of America Annual Conference 2018, New Orleans, Louisiana
 - Raymundo, M.L. & Mayfield, M.M. The role of ants in novel community assembly
- University of British Columbia, Vancouver, 2018 (Invited speaker)
- Ecology Society of Australia Annual Conference 2017, Hunter Valley, New South Wales
 - Raymundo, M.L., HilleRisLambers, J.K., Mayfield, M.M. Dispersal drives exotic dominance during drought
- Transmitting Science, Barcelona, Spain, March-April 2017
 - Workshop on Ecological Niche Modeling,
- Ecology Society of Australia Annual Conference 2016, Fremantle, Western Australia

- Raymundo, M.L., Dwyer, J.D. & Mayfield, M.M. Mechanisms limiting seed recruitment in a novel system
- OTS-NAPIRE Symposium, Las Cruces, Costa Rica
 - Raymundo, M.L. 2009. Plant Functional Traits as Indicators of Resistance or Resilience to Climate Change.
- Entomology Society of America Annual Conference, Reno, Nevada
 - Raymundo, M.L. & Miller, R.H. 2008. Ant and plant biodiversity in karst and beach flat habitats on Guam

Media

- Research featured in National Geographic Learning Environmental Science Textbook, 15th & 16th ed.
- Interview with Radio Australia on Philippine bare-backed fruit bat conservation
- Eureka Alert (https://www.eurekalert.org/pub_releases/2012-10/uog-ugs100412.php)

Miscellaneous

- St. Vincent de Paul Refugee Assistance Program volunteer tutor for refugees and asylum seekers, Townsville, Australia
- Biosecurity Plan for Invasive Ants in the Pacific working group member
- Manuscript Reviewer: Ecology Letters; International Journal of Biodiversity and Conservation
- Grant Reviewer: National Geographic Early Career Research Grants
- Placement experience (UQ CDA), Smithsonian Marine Station, Fort Pierce, Florida
- PADI certified open water diver
- Languages: English (native/bilingual), Cebuano (native/bilingual), Tagalog (fluent)

References

PhD Supervisor:
 Prof. Margaret Mayfield
 Head of School
 School of Biological Sciences
 University of Queensland

Master's Supervisor:
 Prof. Ross Miller
 Professor of Entomology
 College of Natural and Applied Sciences
 University of Guam

Master's co-supervisor:
 Assoc. Prof. Daniel Lindstrom
 College of Natural and Applied Sciences
 University of Guam