



## Jessa May Malanguis

MSc Biology (Human Ecology)

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<https://scholar.google.com.au/citations?user=CREtqOIAAAA&hl=en>

### Summary

Coastal ecosystems, such as seagrass meadows and mangrove forests, play a critical role in mitigating climate change impacts, protecting shorelines, and providing habitats for a diverse array of marine life. However, these ecosystems have been subjected to extensive degradation due to human activities, including land conversion, pollution, and climate change. This has prompted massive investment and interest in restoring coastal systems around the world, but with limited success. This project will use an innovative and multifaceted approach to better evaluate how animals are faring within restored habitats and determine how strategic manipulation of animal communities can enhance outcomes. Although relatively rarely measured in studies on restoration, evaluating animal fitness can reveal insights to better understand current, and guide future, coastal restoration action. We need to take a more animal-centric approach to restoration. By doing so restoration outcomes could be significantly improved, benefiting the environment, economic and society.

### Research Expertise

- Ecosystem and Community Ecology
- Marine Ecology
- Conservation Biology
- Biodiversity