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Summary

Coastal ecosystems are ecologically important and provide extensive services vital to economies, livelihoods and human health. But these ecosystems have been destroyed and degraded around the world, along with the services afforded. Identifying the proximate drivers of ecosystem degradation or predicting future impacts is difficult because of the multitude of stressors that operate within coastal environments.

The aim of my PhD research is to assess the effects of various anthropogenic stressors under realistic conditions and utilise novel statistical techniques to better understand how coastal ecosystems respond to multiple stressors in the real world. The results will be used to predict how coastal ecosystems will respond to human impacts, highlight early warning indicators of environmental degradation, and help tailor management strategies to mitigate these impacts.

Research Expertise

- Marine and estuarine ecology
- Coastal restoration
- Aquatic toxicology
- Crustacean endocrinology