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Summary

My research aims to assess the impact of mangrove habitat losses and its ecosystem services degradation in aspect of biodiversity conservation in Central Indo-Pacific. By mapping the changes in the distribution of mangroves, fishes, nutrients and food web dynamics, it expects to create a more accurate regional model that forecasts biodiversity status under the effect of current and historical trends of climate change and anthropogenic stress. It uses systematic quantitative methods with datasets from global, regional and local studies to predict biodiversity status in case of habitat losses and food web disruption. The research will provide an important contribution to advance global understanding of climate change impact on mangrove ecosystem services by modelling biodiversity changes under predicted climate trends.

Research Expertise

- Marine ecology
- Coastal habitats
- Marine fishes and invertebrates
- GIS