



Madolyn Kelm

Ph.D. Student in Oceans, admitted Summer 2024

 Curriculum Vitae available Online

Bio

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Madolyn Kelm is a Ph.D. student in Oceans at Stanford University, specializing in the biophysical interactions of kelp aquaculture in Southern California. Her research aims to optimize farming productivity through predictive modeling. Currently, she is working on validating the MacroAlgae Cultivation MODeling System (MACMODS) through the NSF Graduate Research Fellowship to advance sustainable kelp farming practices.

With a unique interdisciplinary background, Madolyn integrates biological and physical dynamics to drive focused coastal ocean research. Committed to addressing the impacts of climate change on coastal ecosystems, she aspires to become a professor and contribute to fostering diversity in STEM.