

Stanford



Emilius Aalto

Postdoctoral Research Fellow, Hopkins Marine Station

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Davis (2013)
- Doctor of Philosophy, University of California, Davis , Ecology (2013)
- Master of Arts, Stony Brook University , Ecology (2005)
- Bachelor of Science, Stanford University , CS-BS (1999)

STANFORD ADVISORS

- Barbara Block, Postdoctoral Faculty Sponsor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My primary research interest is theoretical fisheries ecology, with a focus on population dynamics, spatial dynamics, and response to disease and catastrophic events.

My current work involves the incorporation of the effects of ocean acidification and low-oxygen events into an abalone growth and reproduction model. Past projects include modeling indirect positive effects from fishing-induced competitive release and the effects of size-specific obligate predation on post-harvest recovery time.

LAB AFFILIATIONS

- Giulio De Leo, De Leo Lab (10/1/2013 - - 7/1/2017)

Publications

PUBLICATIONS

- **Quantifying 60 years of declining European eel (*Anguilla anguilla* L., 1758) fishery yields in Mediterranean coastal lagoons** *ICES JOURNAL OF MARINE SCIENCE*
Aalto, E., Capoccioni, F., Mas, J. T., Schiavina, M., Leone, C., De Leo, G., Ciccotti, E.
2016; 73 (1): 101-110
- **Separating recruitment and mortality time lags for a delay-difference production model** *CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES*
Aalto, E. A., Dick, E. J., MacCall, A. D.
2015; 72 (2): 161-165
- **Quantifying the balance between bycatch and predator or competitor release for nontarget species** *ECOLOGICAL APPLICATIONS*
Aalto, E. A., Baskett, M. L.
2013; 23 (5): 972-983