



## Carolina Olguin Jacobson

Postdoctoral Scholar, Hopkins Marine Station

### Bio

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My research focuses on socio-ecological systems within fishery cooperatives in Baja California, Mexico, exploring their resilience and adaptation strategies to climate change and COVID-19 impacts through oceanographic and ecological monitoring.

#### STANFORD ADVISORS

- Fiorenza Micheli, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Sex-specific variation in species interactions matters in ecological communities.** *Trends in ecology & evolution*  
Gissi, E., Goodman, M. C., Elahi, R., McDevitt-Irwin, J. M., Arnoldi, N. S., Arafeh-Dalmau, N., Knight, C. J., Olguin-Jacobson, C., Palmisciano, M., Tillman, C. M., De Leo, G. A., Micheli, F.  
2024
- **Integrating climate adaptation and transboundary management: Guidelines for designing climate-smart marine protected areas** *ONE EARTH*  
Arafeh-Dalmau, N., Munguia-Vega, A., Micheli, F., Vilalta-Navas, A., Villasenor-Derbez, J., Precoma-de la Mora, M., Schoeman, D. S., Medellin-Ortiz, A., Cavanaugh, K. C., Sosa-Nishizaki, O., Burnham, T. U., Knight, C. J., Woodson, et al  
2023; 6 (11): 1523-1541
- **Assemblages of pelagic thaliaceans in oceanographic features at the tropical-temperate transition zone of a western boundary current** *JOURNAL OF PLANKTON RESEARCH*  
Pitt, K. A., Lawley, J. W., Hinchliffe, C., Matis, P. A., Olguin-Jacobson, C., Arafeh-Dalmau, N., Lindholm, P., Arnold, J., Suthers, I. M.  
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- **Assemblages of pelagic thaliaceans in oceanographic features at the tropical-temperate transition zone of a western boundary current.** *Journal of plankton research*  
Pitt, K. A., Lawley, J. W., Hinchliffe, C., Matis, P. A., Olguin-Jacobson, C., Arafeh-Dalmau, N., Lindholm, P., Arnold, J., Suthers, I. M.  
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- **Shortfalls in the protection of persistent bull kelp forests in the USA** *BIOLOGICAL CONSERVATION*  
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- **Spatial distribution of medusae (Cnidaria) assemblages in the southern Gulf of Mexico (dry season)** *COMMUNITY ECOLOGY*  
Alejandro Puente-Tapia, F., De la Luz Espinosa-Fuentes, M., Zavala-Garcia, F., Olguin-Jacobson, C., Flores-Coto, C.  
2022; 23 (1): 137-162
- **Symbiotic microalgae do not increase susceptibility of zooxanthellate medusae (Cassiopea xamachana) to herbicides** *AQUATIC TOXICOLOGY*  
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2021; 236: 105866

- **Chronic pesticide exposure elicits a subtle carry-over effect on the metabolome of *Aurelia coerulea* ephyrae** *ENVIRONMENTAL POLLUTION*  
Olguin-Jacobson, C., Pitt, K. A., Carroll, A. R., Melvin, S. D.  
2021; 275: 116641
- **Polyps of the Jellyfish *Aurelia aurita* Are Unaffected by Chronic Exposure to a Combination of Pesticides** *ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY*  
Olguin-Jacobson, C., Pitt, K. A., Carroll, A. R., Melvin, S. D.  
2020; 39 (9): 1685-1692
- **Marine heat waves threaten kelp forests.** *Science (New York, N.Y.)*  
Arafeh-Dalmau, N., Schoeman, D. S., Montano-Moctezuma, G., Micheli, F., Rogers-Bennett, L., Olguin-Jacobson, C., Possingham, H. P.  
2020; 367 (6478): 635
- **Review of the Phylloporidae family (Holothuroidea: Dendrochirotida) in Mexican waters** *REVISTA DE BIOLOGIA TROPICAL*  
Olguin Jacobson, C., Solis Marin, F., Laguarda-Figureas, A.  
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