

Giancarlo Helar Morón Correa

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Research interests

Fish stock assessment models, fish spatial dynamics, community ecology

Education

Oregon State University, US

PhD in Ocean Ecology and Biogeochemistry. Minor in Statistics 2018–present

Thesis: Incorporating climate variability in stock assessment models: applications on growth and recruitment

National University of San Marcos, Peru

MS in Applied Mathematics 2015–2017

Thesis: A functional approach to study cohort spatial movements of the Peruvian anchovy (Engraulis ringens).

National University of San Marcos, Peru

BSc in Biological Sciences. Major in Fisheries 2009–2013

Honors Thesis: Spatio-temporal analysis of the epipelagic biodiversity in the Peruvian sea.

Professional Experience

Scientific Member

Cousteau Consultant Group 2020–present

Leading research projects in fisheries sciences in Latin-america. Instructor.

Graduate Research Assistant

Oregon State University 2018–present

Research in fisheries oceanography using data from the eastern Bering Sea.

Researcher

Marine Institute of Peru 2014–2018

Population Dynamics and Stock Assessment Unit

Conference presentations

Ocean Sciences Meeting

United States 2020

Accounting for spatiotemporal variability in somatic growth in age composition data estimation for stock assessment models

International Symposium: Understanding changes in transitional areas of the Pacific

Mexico 2018

Identifying biogeographical transition zones and nekton assemblages in the northern Humboldt Current System

International Symposium: Drivers of dynamics of small pelagic fish resources

Canada 2017

Effects of ENSO phases on Peruvian anchovy aggregation patterns.

Teaching Experience

Oregon State University, US

OC549: Data Fisheries Oceanography
Teaching Assistant

2020

National University of San Marcos, Peru

B01316: Biomathematics
Guest lecturer: An introduction to species competition models.

2017–2018

Scientific Publications

Improved estimation of age composition by accounting for spatiotemporal variability ...

Correa GM., Ciannelli L., Kotwicki S., Barnett L. and Fuentes C.

2020

Canadian Journal of Fisheries and Aquatic Sciences. Volume 77. Number 11. pp 1810-1821.

<https://doi.org/10.1139/cjfas-2020-0166>

Temporal changes in mesoscale aggregations and spatial distribution scenarios ...

Morón G., Galloso P., Gutierrez D. and Torrejon-Magallanes J.

2019

Deep Sea Research Part II: Topical Studies in Oceanography. Volume 159. pp 75-83.

<https://doi.org/10.1016/j.dsr2.2018.11.009>

Computer Skills

Basic: ADMB

Intermediate: MATLAB, Microsoft Office

Advanced: R, \LaTeX

Languages

Spanish: Native speaker

English: Advanced level

Italian: Intermediate level