

Giancarlo Helar Morón Correa

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Research interests

Fish stock assessment models, fish spatial dynamic, community ecology

Education

Oregon State University, United States

Ph.D. (c) in Ocean Ecology and Biogeochemistry. Minor in Statistics.

2018–present

Thesis: Impacts of climate variability on fish somatic growth in population dynamic models.

National University of San Marcos, Peru

M.S. (c) in Applied Mathematics.

2015–2017

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

National University of San Marcos, Peru

B.S. 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

Research projects in fisheries sciences in Latin-america. Instructor.

Graduate Teaching Assistant

Oregon State University

2020

College of Earth, Ocean, and Atmospheric Sciences

Graduate Research Assistant

Oregon State University

2018–present

College of Earth, Ocean, and Atmospheric Sciences

Researcher

Marine Institute of Peru

2014–2018

Population Dynamics and Stock Assessment Unit

Oral presentations

World Fisheries Congress

Australia

2021

Accounting for spatial and temporal variability in somatic growth improves age composition and stock assessment estimates.

UW: Quantitative Seminar Series

United States

2020

Impacts of temporal and spatial variability in somatic growth on fish stock assessment models.

Ocean Sciences Meeting

United States

2020

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

PICES 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.

ICES/PICES 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 2020

Teaching Assistant

National University of San Marcos, Peru

B01316: Biomathematics 2017–2018

Guest lecturer: An introduction to species competition models.

Scientific Publications

Spatial and temporal variability in somatic growth in fisheries stock assessment ...

Correa GM., McGilliard C., Ciannelli L., y Fuentes C. 2021

ICES Journal of Marine Sciences

<https://doi.org/10.1093/icesjms/fsab096>

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>

Awards

Butler Family Scholarship

Oregon State University 2021

Computer Skills

Basic: TMB, Java, ADMB

Intermediate: MATLAB, Microsoft Office

Advanced: R, \LaTeX

Languages

Spanish: Native speaker

English: Advanced

Italian: Intermediate