Giancarlo Helar Morón Correa

Seattle, WA
(541) 9083657 • gcorrea@uw.edu • giancarlomcorrea.netlify.app

Research interests

Fish stock assessment models, fish spatial dynamic, individual-based models, community ecology

Education

Oregon State University, United States
Ph.D. in Ocean, Earth, and Atmospheric Sciences. Minor in Statistics. *2018–2022*
Thesis: *Incorporating the impacts of Climate Variability on Growth in Fish Population Dynamics 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

Postdoctoral Fellow
University of Washington *2022–present*
School of Aquatic and Fisheries Sciences

Scientific Member
Cousteau Consultant Group *2020–present*
Research projects in fisheries sciences in Latin-america. Instructor.

Graduate Teaching Assistant
Oregon State University *2020*
Class: Fisheries Oceanography Data Analysis.

Graduate Research Assistant
Oregon State University *2018–2022*
College of Earth, Ocean, and Atmospheric Sciences

Researcher
Marine Institute of Peru *2014–2018*
Population Dynamics and Stock Assessment Unit

Oral presentations

Ocean Sciences Meeting
United States *2022*
Modeling the Multiple Action Pathways of the effects of climate change on the Pacific cod (Gadus macrocephalus) larval growth and survival.

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

Cousteau Consultant Group, Perú
Several couses in quantitative ecology. *2020-2022*
Main instructor

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., and Fuentes C. *2021*
ICES Journal of Marine Sciences. Volume 78. Issue 5. pp 1900-1908.
`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`

Reports

DRAFT Status of Sablefish (*Anoplopoma fimbria*) along the US West coast in 2021
Kapur MS., Lee Q., Correa GM., Haltuch MA., Gertseva V. and Hamel OS. *2021*
Pacific Fisheries Management Council. Portland, OR. 136 p.

Catch Only Projection for Canary Rockfish (*Sebastes pinniger*) in 2021
Correa GM. and Wetzel CR. *2021*
Pacific Fisheries Management Council. Portland, OR.

Catch Only Projection for Arrowtooth Flounder (*Atheresthes stomias*) in 2021
Correa GM., Wetzel CR. and Hamel O. *2021*
Pacific Fisheries Management Council. Portland, OR.

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