**Fabian A. Gomez**

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Research Scientist at Mississippi State University - Northern Gulf Institute (MSU–NGI) and the NOAA Atlantic Oceanographic and Meteorological Laboratory

**Education**

Ph.D. Oceanography, Oregon State University 2015

M. Sci. Fisheries, University of Concepcion 2008

B.S. Fisheries, Catholic University of Valparaiso 2003

**Professional experience**

Research Scientist at Mississippi State University - Northern Gulf Institute 2021

Researcher at Catholic University of Valparaiso 2019-2021

Postdoc, University of Southern Mississippi 2015-2018

Visiting Scientist at NOAA-AOML 2015-2018

Research Assistant, University of Concepcion 2006-2010

Research Assistant, Catholic University of Valparaiso 2003-2005

**Publications**

Kearney, K. A., S. J. Bograd, E. Drenkard, F. Gomez, M. Haltuch, A. J. Hermann, M. G. Jacox, I. Kaplan, S. Koenigstein, J. Y. Luo, M. Masi, B. Muhling, M. Pozo Buil and P. A. Woodworth-Jefcoats (2021). Using global-scale earth system models for regional fisheries applications. *Frontiers in Marine Science*, doi: 10.3389/fmars.2021.62220.

Gomez, F. A., R. Wanninkhof, L. Barbero, S. K. Lee and F. J. Hernandez (2020) Seasonal patterns of surface inorganic carbon system variables in the Gulf of Mexico inferred from a regional high-resolution ocean-biogeochemical model. *Biogeosciences*, 17, 1685–1700.

Gomez, F. A., S. K. Lee, F. J. Hernandez, L. M. Chiaverano, F. E. Muller-Karger, Y. Liu, and J. T. Lamkin (2019) ENSO-induced co-variability of Salinity, Plankton Biomass and Coastal Currents in the Northern Gulf of Mexico*. Scientific reports*, 9(1), 178.

Gomez, F. A., S. K. Lee, Y. Liu, F. J. Hernandez, F. E. Muller-Karger, and J. T. Lamkin (2018) Seasonal Patterns in Phytoplankton Biomass across the Northern and Deep Gulf of Mexico: A Numerical Model Study. *Biogeosciences*, *15*, 3567.

Gomez, F.A., Y.H. Spitz, H.P. Batchelder, M.A. Correa-Ramirez (2017) Intraseasonal patterns in coastal plankton biomass off central Chile derived from satellite observations and a biochemical model. *Journal of Marine Systems*, *174*, 106-118.

Gomez, F., A. Montecinos, S. Hormazabal, L.A. Cubillos, M. Correa-Ramirez, F.P. Chavez (2012) Impact of spring upwelling variability off southern-central Chile on common sardine (*Strangomera bentincki*) recruitment. *Fisheries Oceanography*, 21 (6): 405-414

Montecinos A., F. Gomez (2010) ENSO modulation of the upwelling season off southern central Chile. *Geophysical Research Letters*, 37, L02708, doi:10.1029/2009GL041739

Yáñez E., S. Hormazábal, C. Silva, A. Montecinos, M.A. Barbieri, A. Valdenegro, A. Ordenes, F. Gomez (2008) Coupling between the environment and the pelagic resources exploited off northern Chile: ecosystem indicators and a conceptual model. *Latin American Journal of Aquatic Research*, 36 (2): 159-181

Bertrand A., M.A. Barbieri, J. Córdova, C. Hernández, F. Gómez, F. Leiva (2004) Diel vertical behaviour, predator-prey relationships, and occupation of space by jack mackerel (*Trachurus murphyi*) off Chile. *ICES Journal of Marine Science*, 61: 1105-1112