

Curriculum Vitae

1.- BIODATA

Name: Marco Sebastián Sandoval Belmar
Date of birth : October 27, 1992
Nationality : Chilean
Marital Status: Single
Mobile: +1 424 440 9511
E-mail: marcsandovalb@g.ucla.edu, marcsandovalb@atmos.ucla.edu

2. - EDUCATION

PhD in Atmospheric and Oceanic Sciences (2025)

Master of Science in Atmospheric and Oceanic Sciences (2022)

Geophysical Title, University of Concepción (2011 - 2017).

Bachelor of Geophysics, University of Concepción (2011- 2015).

3.- PROFESSIONAL EXPERIENCE

Postdoctoral Researcher

Department of Atmospheric and Oceanic Sciences, University of California, Los Angeles (UCLA)
2025 – Present

4.- PUBLICATIONS AND RESEARCH ACTIVITY

Participation in the project "Integrated Ocean Observing System in the Biobío Region" (INNOVA 15.5-IN.IIP: Chilean Integrated Ocean Observation System - CHIOOS). Research Assistant. 2016-2018.

Participation in project P-581131: "Monitoring Program of the Main National Fisheries, From 2017 to 2019. Fisheries of Crustaceans of the Juan Fernández Archipelago". MINECON. Research Assistant.

Sandoval M. 2017. "Modelación de factores que desencadenan el florecimiento de algas nocivas en la zona norte y sur de Chile en el período 1997 al 2012". Thesis for the grade of Geophysics at the University of Concepción.

Sandoval M., Parada C. and Torres R. 2018. Proposal of an integrated system for forecasting Harmful Algal Blooms (HAB) in Chile. Lat. Am. J. Aquat. Res., 46(2): 424-451.

Parada, C., Ernst, B., Cornejo-Guzmán, S., Santa Cruz, F., **Sandoval-Belmar, M.**, Rivara, P., Tapia, B., Gauthier, S., Pino-Aguilera, J., Escribano, R., & Morales, C. E. Local and remote physical processes driving variability of the planktonic system in the Juan Fernandez Archipelago: A multidisciplinary framework providing conservation insights, Aquatic Conservation: Marine and Freshwater Ecosystems,

31(2), 253–272, 2021.

Robinson, D., Pham, A. L. D., Yousavich, D. J., Janssen, F., Wenzhöfer, F., Arrington, E. C., Gosselin, K. M., **Sandoval-Belmar, M.**, Mar, M., Valentine, D. L., Bianchi, D., & Treude, T. Iron “ore” nothing: benthic iron fluxes from the oxygen-deficient Santa Barbara Basin enhance phytoplankton productivity in surface waters, *Biogeosciences*, 21, 773–794, 2024

Sandoval-Belmar, M., Smith, J., Moreno, A. R., Anderson, C., Kudela, R. M., Sutula, M., ... & Bianchi, D. (2023). A cross-regional examination of patterns and environmental drivers of Pseudo-nitzschia harmful algal blooms along the California coast. *Harmful Algae*, 126, 102435.

Sandoval-Belmar, M. S. (2025). Examining the Interplay Between Terrestrial Nutrient Inputs and Harmful Algal Blooms in the California Current (Doctoral dissertation, University of California, Los Angeles).

Sandoval-Belmar, M., Damien, P., Sutula M. A., ... & Bianchi, D. Biogeochemical effects of Golden Gate Strait exchange and other land-base inputs to the San Francisco and Monterey Bay coasts. *ESS Open Archive* . July 30, 2025. 10.22541/essoar.175389166.69395818/v1

5. OTHERS

Six times Teacher Assistant in course A&O SCI 1 - Climate Change: From Puzzles to Policy, from the Department of Atmospheric and Oceanic Sciences, UCLA.

Three times Teacher Assistant in course A&O M105 - Introduction to Chemical Oceanography

Morris Neiburger Award (2023). This award recognizes outstanding contributions to teaching by graduate students in the Department of Atmospheric and Oceanic Sciences.