

Juan Carlos Villaseñor Derbez
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EDUCATION

Master of Environmental Science and Management, Expected July 2017

Coastal Marine Resources Management | Conservation Planning

Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)

Fellowships: CONACyT International Graduate Student's Fellowship; Latin American Fisheries Fellowship.

Bachelor of Science in Oceanography, March 2015

Facultad de Ciencias Marinas – Universidad Autónoma de Baja California (UABC)

Research: Latitudinal differences in size-structure of fish populations; Kelp forest ecology

Involvement: Marine Sciences School Student Committee; Kelp Forest Ecology Research Group

Awards: Distinguished Oceanography student 2012 and 2014, by the Marine Sciences School, UABC

ENVIRONMENTAL EXPERIENCE

Field Assistant – Comunidad y Biodiversidad A.C. (COBI), La Paz, Mexico (03/2015 – 07/2015)

Coordinated fieldwork to evaluate the efficiency of voluntarily established marine reserves along the Baja California Peninsula. Usual tasks included communication among fishermen groups, NGO's and Universities. Wrote a protocol on how to operate oceanographic instruments used by fisherman and staff. Produced 4 outreach products and a peer-reviewed article.

Consultant – Mexican Tuna Purse Seine Fleet Research Trust, Ensenada, Mexico (02/2015 – 06/2015)

Managed a database with information on tuna biometrics and landings by the Mexican tuna fleet between 1992 and 2014. This database is used by decision makers to regulate fishing quotas, and present results at international tuna meetings. Wrote a peer-reviewed article on the fleet's vulnerability to null sets and climate change, and two outreach publications available to all public.

Research Intern – Kelp Forest Ecology Research Group, Ensenada, Mexico (12/2011 – 12/2014)

Performed underwater ecological surveys at kelp forests along the Baja California Peninsula, and supervised dive safety. I created software to capture and preliminarily analyze information. I maintained a database with the group's ecological database of fish species, used in different analyses. I communicated the group's results at local, national and international conferences. Earned a "National Oceanography Award" by the Mexican Oceanographer's Association for one presentation.

SELECTED PUBLICATIONS

Villaseñor-Derbez, J.C., Trujillo-Ortiz, A., Torres-Moye, G., Montaña-Moctezuma, G. Ramírez-Valdez, A. (*in prep.*).

Human-induced shifts in fish-size structures along the Baja California Peninsula. *Fish and Fisheries*

Villaseñor-Derbez, J.C. (*in prep.*). Revisiting the Biological Value Index (Sanders, 1960; Loya-Salinas & Escofet, 1990).

Ecological Modeling

Hernández-Velasco, A.J., Fernández-Rivera Melo, F.J., Melo-Merino, S.M., **Villaseñor-Derbez, J.C.** (2016; *in press*).

Occurrence of *Holacanthus clarionensis* (Pomacanthidae), *Stegastes leucorus*, and *S. acapulcoensis* (Pomacentridae) at Isla Magdalena B.C.S., Mexico. *Marine Biodiversity Records*

Ramírez-Valdez, A., Dominguez-Guerrero, I., Palacios-Salgado, D.S., Cota-Nieto J.J., Hinojosa-Arango G., Correa-Sandoval, F., Reyes-Bonilla, H., **Villaseñor-Derbez, J.C.**, Hernandez, A., Aburto-Oropeza, O. (2015). The nearshore fishes of the Cedros archipelago and their biogeographic affinities, northeastern Pacific. *CalCOFI Reports*, 56

Dreyfus M., Mejía-Trejo A., **Villaseñor-Derbez J.C.** (2015). Analysis of null sets (no catch) made by the Mexican tuna seine fleet (2000-2013). *Ciencias Marinas*, 41(2):85-92. DOI: 10.7773/cm.v41i2.2471

Villaseñor-Derbez J.C. & Herrera-Pérez R. (2014). Brief description of prey selectivity and ontogenetic changes in the diet of the invasive lionfish *Pterois volitans* (Actinopterygii, Scorpaenidae) in the Mexican Caribbean. *Pan-American Journal of Aquatic Sciences*, 8(2):131-135

SKILLS

Language: Completely fluent in Spanish and English; Semi-fluent in French

Computer: Microsoft Office (Word, Excel, PowerPoint, Publisher, Outlook), MatLab, R, Primer, Minitab, Ocean Data View, SeaBird Electronics Sea Term V2, ArcGIS Suite, Surfer, Tableau

SCUBA: PADI Dive Master (+2500 dives), UABC Scientific Diver (+100 dives)

Communication: Presented at 8 local, 1 national, and 3 international conferences on Ichthyology, Oceanography and Marine Sciences having 5 of my works awarded as best presentations. I have also produced outreach publications for general audiences on DataMares (datamares.ucsd.edu), dive magazines, and outreach journals.