

# DANIEL FADIGAS VIANA

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## EDUCATION

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### University of California Santa Barbara - UCSB

PhD at Bren School of Environmental Science and Management. Sept 2013 – June 2018

- Main advisor: Steven D. Gaines; committee members: Christopher Costello and Benjamin Halpern;
- PhD thesis focused on marine reserve modeling, small-scale fisheries management and Territorial Use Rights for Fisheries (TURFs).

### University of California Santa Barbara - UCSB

Master's at Bren School of Environmental Science and Management. Sept 2011 – June 2013

### Universidade Federal Rural de Pernambuco - UFRPE

Bachelor of Science in Fisheries Engineering. January 2007 – July 2011.

## SCHOLARSHIPS RECEIVED

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- **Brazilian Coordination for the Improvement of Higher Education Personnel (CAPES).** Scholarship support for the PhD in Environmental Science and Management– UCSB. September 2013 – August 2017.
- **Latin American Fishery Fellowship (LAFF).** Fellowship support for the Masters and PhD in Environmental Science and Management – UCSB, 2012-2018.
- **National Council for Scientific and Technological Development (CNPq),** Undergraduate Research Program, 2009-2011.

## SELECTED JOURNAL PUBLICATIONS

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Viana D.F. 2019. Management of mobile species with spatial property rights: Challenges and opportunities. **Fisheries Research**. 218: 29-34.

Viana D.F, Gelcich S., Aceves-Bueno E., Twohey B., Gaines S.D. 2018. Design Tradeoffs in rights-based management of small-scale fisheries. **Conservation Biology**. 33(2): 361-368.

Viana D.F., Halpern B, Gaines S.D. 2017. Accounting for tourism benefits in marine reserve design. **PLoS ONE**. 12(12): e0190187

Viana D.F., Gornik K., McDonald G., Lin C., Ng N.S.R., Quigley C., Potoski M. 2017. Recreational boaters value biodiversity: The case of the California Channel Islands National Marine Sanctuary. **Marine Policy**. 81: 91-97.

Ayres A, Degolia A, Fienup M, Kim Y, Sainz J, Urbisci L, Viana D, Wesolowski G, Plantinga AJ, Tague C. 2016. Social Science/Natural Science Perspectives on Wildfire and Climate Change. **Geography Compass**. 1;10(2):67-86.

Viana D.F. Hazin F.H., Oliveira P.G. 2016. Reproductive Biology of the lane snapper, *Lutjanus synagris*, caught in the coast of Pernambuco, Northeastern Brazil. **Arquivos de Ciencias do Mar**, 48(2):67-73.

Viana D.F., Hazin F.H, Andrade H. 2015. Fisheries in the St Peter and St Paul Archipelago: 13 years of monitoring, Brazil. **Instituto de Pesca**, 41(1): 239-248.

## **SELECTED WORK EXPERIENCES**

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**Harvard TH School of Public Health**, Boston – MA, USA.

**Postdoctoral Fellow**, February 2020 – present

- Working with Professor Christopher Golden.
- Developing research examining the global implications of MPA expansion for human health and nutrition in face of climate change.

**Instituto de Estudos e Empreendedorismo Socioambiental - IESA**, Brazil.

**Founder and Executive Director**, September 2018 – present

- NGO focused on fisheries management, marine conservation and eco-entrepreneurship.
- Responsible for fundraising and project and team management.

**Nilton Lins University**, Manaus – AM, Brazil.

**Professor**, June 2019 – January 2020

- Faculty of the aquaculture masters and PhD graduate programs;
- Developed research on the importance of bioeconomy to the Amazon and the role of aquaculture for global food security and nutrition.

**Chico Mendes Institute for Biodiversity Conservation - ICMBio**, Brasilia – DF, Brazil.

**Consultant**, September 2018 – April 2019

- Environmental Government Agency
- Responsible for organizing and lecturing a fisheries management course for government staff, fishers and local researchers;

**Oceana**, Washington – DC, USA

**Consultant**, July 2018 – December 2018

- Responsible for research, data collection and analysis of Brazil's national seafood consumption, fisheries production and economic importance of fisheries;

**RARE Conservation**, Arlington – VA, United States.

**Brazil Coastal Fisheries Fellow**, June 2013 – September 2013

- Responsible for organizing meetings with key stakeholders in program scoping efforts for Brazil;
- Conducted research on the social dynamics at play within marine protected areas in Brazil.

**Sustainable Fisheries Group (SFG) at Bren School of Environmental Science and Management– UCSB**, Santa Barbara – California, United States.

**Research Assistant**, November 2011 – August 2012.

- Collaborated as research assistant in the following projects: assessment of rockfishes from the coast of California; stock assessment of sea cucumber in Galapagos; and marine spatial planning of the Galapagos national park.

**Galapagos National Park/Conservation International**, Puerto Ayola - Galapagos, Ecuador.  
**Intern**, June 2012 – July 2012.

- Worked on the marine spatial planning of the Galapagos MPA, collecting data and conducting several meetings with key stakeholders to present the project and tool used for planning.

**Fisheries Oceanography Lab at Federal Rural University of Pernambuco - UFRPE**, Recife – Pernambuco, Brazil.

**Intern**, August 2007 – July 2011.

- Developed projects on: reproductive biology, age and growth, artisanal fisheries management, animal behavior, and satellite and acoustic fish tagging.

**Ministry of Fisheries and Aquaculture**, Brasilia – DF, Brazil.

**Intern**, July 2010 - August 2010.

- Worked on the Satellite-based Vessel Monitoring System, a real time monitoring to seek for vessels in prohibited fishing areas;

## **TEACHING EXPERIENCES**

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**Nilton Lins University**, Manaus – AM, Brazil.

**Professor**, July 2019 – December 2019

- Taught three undergraduate courses: Biochemistry, Economics and Intro to Physics.

**University of California Santa Barbara - UCSB**, Santa Barbara – CA, USA.

**Lecturer**, January 2018 – March 2018

- Introduction to modeling in R course for graduate-level students;
- Prepared material and conducted several classes and lab sessions for graduate students to learn basic programming and data visualization skills for natural resource management.

**University of California Santa Barbara - UCSB**, Santa Barbara – CA, USA.

**Teaching assistant**, April 2018 – June 2018

- Fisheries modeling and assessment course for graduate level students.
- Assisted Professor Trevor Branch in lab sections and grading assignments.

## **OTHER ACTIVITIES**

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**Advanced Open Water Diver**. Certified by PADI in 2008, Recife – Brazil.

## **LANGUAGES**

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Portuguese (native), Spanish and English fluent speaking and writing.

## **SOFTWARES**

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Microsoft Office, R (statistic), Matlab, Python, ArcGIS (geoprocessing).