Stanford

Bianca Santos

- Ph.D. Student in Environment and Resources, admitted Autumn 2019
- Other Tech - Graduate, Earth System Science

Bio

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Bianca Santos is a PhD Candidate in the Emmett Interdisciplinary Program in Environment and Resources at the Stanford Doerr School of Sustainability. Her work focuses on integrating science, policy and society in the management of marine species in the Pacific. Utilizing both natural and social science tools, her research applies interdisciplinary methods from the fields of marine science, ocean governance and policy, and environmental decision-making. Current areas of active research include: (1) The future of ocean governance in the high seas, (2) Climate-driven habitat shifts of migratory species and its implications for fisheries management, and (3) Socio-ecological impacts of climate change on small scale fisheries in Palau. In addition to her research, Bianca is passionate about science communication and outreach.

Prior to Stanford, Bianca served as an International Activities Analyst as a 2018 National Sea Grant Knauss Marine Policy Fellow in NOAA Research's Office of International Activities. She also worked with the Food and Agriculture Organization of the United Nations to support issues related to spatial marine management.

EDUCATION AND CERTIFICATIONS

- M.S., Virginia Institute of Marine Science, College of William and Mary , Marine Science, concentrations in Fisheries Science and Marine Policy (2017)
- B.S., Stony Brook University , Marine Vertebrate Biology, minor in Ecosystems and Human Impacts (2014)

Publications

PUBLICATIONS

- **Centering equity and sustainability in climate adaptation funding** *Environmental Research: Climate*
  Berlin Rubin, N., Bower, E. R., Herbert, N., Santos, B. S., Wong-Parodi, G.
  2023; 2 (3)
- **Land-dependent marine species face climate-driven impacts on land and at sea** *MARINE ECOLOGY PROGRESS SERIES*
  Blondin, H. E., Armstrong, K. C., Hazen, E. L., Oestreich, W. K., Santos, B. S., Haulsee, D. E., Mikles, C. S., Knight, C. J., Bennett, A. E., Crowder, L. B.
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- **The diverse benefits of biodiversity conservation in global ocean areas beyond national jurisdiction** *FRONTIERS IN MARINE SCIENCE*
  Santos, B. S., Devereaux, S. G., Gjerde, K., Chand, K., Martinez, J., Crowder, L. B.
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- **News coverage of ocean issues and its impacts on public perceptions and conservation information-seeking of sea turtles** *CONSERVATION SCIENCE AND PRACTICE*
  Santos, B. S., Wong-Parodi, G.
  2022
- **A path forward for qualitative research on sustainability in the COVID-19 pandemic.** *Sustainability science*

Santana, F. N., Hammond Wagner, C., Berlin Rubin, N., Bloomfield, L. S., Bower, E. R., Fischer, S. L., Santos, B. S., Smith, G. E., Muraida, C. T., Wong-Parodi, G.

2021: 1–7

- **Online News Media Coverage of Sea Turtles and Their Conservation** *BioScience*

  Santos, B. S., Crowder, L. B.

  2021; 71 (3): 305-313

- **Promoting equity in scientific recommendations for high seas governance** *One Earth*

  Chapman, M. S., Oestreich, W. K., Frawley, T. H., Boettiger, C., Diver, S., Santos, B. S., Scoville, C., Armstrong, K., Blondin, H., Chand, K., Haulsee, D. E., Knight, C. J., Crowder, et al

  2021; 4 (6): 790-794

- **Virginia Beached Sea Turtle Survey** *Frontiers for Young Minds*

  Boudin, E., Santos, B., Carcaillet, F., Kaplan, D.

  2020; 8 (38)

- **Regulation of apoptosis-related genes during interactions between oyster hemocytes and the alveolate parasite Perkinsus marinus** *FISH & SHELLFISH IMMUNOLOGY*

  Lau, Y., Santos, B., Barbosa, M., Espinosa, E., Allam, B.

  2018; 83: 180–89

- **Likely locations of sea turtle stranding mortality using experimentally-calibrated, time and space-specific drift models** *BIOLOGICAL CONSERVATION*

  Santos, B. S., Friedrichs, M. M., Rose, S. A., Barco, S. G., Kaplan, D. M.

  2018; 226: 127–43

- **Transepithelial migration of mucosal hemocytes in Crassostrea virginica and potential role in Perkinsus marinus pathogenesis** *JOURNAL OF INVERTEBRATE PATHOLOGY*

  Lau, Y., Gambino, L., Santos, B., Espinosa, E., Allam, B.

  2018; 153: 122–29

- **Consequences of drift and carcass decomposition for estimating sea turtle mortality hotspots** *ECOLOGICAL INDICATORS*

  Santos, B. S., Kaplan, D. M., Friedrichs, M. M., Barco, S. G., Mansfield, K. L., Manning, J. P.

  2018; 84: 319–36

- **Thermal constraints on stream consumer responses to a marine resource subsidy** *CANADIAN JOURNAL OF FISHERIES AND AQUATIC SCIENCES*

  Smits, A. P., Schindler, D. E., Armstrong, J. B., Brett, M. T., Carter, J. L., Santos, B. S.

  2016; 73 (11): 1661–71