

Danilo Augusto Silva

PHD CANDIDATE · PHYSICAL OCEANOGRAPHY

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Education

University of São Paulo

PHD PHYSICAL OCEANOGRAPHY

• Advisor: Dr. Marcelo Dottori

São Paulo, SP

7/2019 - present

University of São Paulo

MSc PHYSICAL OCEANOGRAPHY

• Advisor: Dr. Marcelo Dottori

São Paulo, SP

1/2017 - 5/2019

University of São Paulo

BSc UNDERGRADUATE DEGREE

• Advisor: Dr. Marcelo Dottori

São Paulo, SP

3/2010 - 12/2016

Professional Experience

- 2019-2023 **Graduate Research Assistant**, Coastal Hydrodynamics Lab, University of São Paulo, SP
- 2017-2019 **Graduate Research Assistant**, Coastal Hydrodynamics Lab, University of São Paulo, SP
- 2015-2016 **Undergraduate Research Assistant**, Coastal Hydrodynamics Lab, University of São Paulo, SP
- 2014-2015 **Undergraduate Research Assistant**, Oceanographic Data Lab, University of São Paulo, SP
- 2011-2012 **Undergraduate Research Assistant**, Satellite Oceanography Lab, University of São Paulo, SP
- 2010 - 2011 **IT Auxiliar**, Media Coordination of University of São Paulo, SP

Research Experience

University of São Paulo - Dept of Physical Oceanography

ADVISOR: DR. MARCELO DOTTORI

• Dissertation: "Evolution and the environment in freshwater fishes"

São Paulo, SP

Jul 2019 - Present

University of São Paulo - Dept of Physical Oceanography

ADVISOR: DR. MARCELO DOTTORI

• Dissertation: "Anomalous wind driven circulation on the south Brazil Bight during the 2014 summer"

São Paulo, SP

Jan 2017 - May 2019

Impacts of the Southwestern Atlantic on the South American Climate - The Oceanic Importance

PI: DR. BELMIRO MENDES DE CASTRO

• Activities: Deployment of an array of moored current meter line crossing the Brazil Current.

RV Alpha Crucis

Aug, 2016

Challenger Project - South Atlantic Circumnavigation

ADVISOR: DR. MARCELO DOTTORI

• Activities: Testing glider's navigation system and releasing the RU29 - Rutger glider. More information at <https://challenger.marine.rutgers.edu>

RV Alpha Delphini

Jun, 2015

Publications

PUBLISHED

Silva, Danilo A., Marcelo Dottori. 2021. The atmospheric blocking influence over the South Brazil Bight during the 2013–2014 summer. *Regional Studies in Marine Science*, 45.

IN REVIEW

Mendes, Cecili B., Cinthya S. G. Santos, Thadeu Sobral-Souza, Taina Cortes, Arian D. Santos, Dalton K. Sasaki, **Silva, Danilo A.**, Marcelo Dottori, Sônia C. S. Andrade. Seascape genetics and connectivity in a polychaete worm: disentangling the roles of a biogeographic barrier and environmental factors.

IN PREP

Silva, Danilo A., Dalton K. Sasaki, Marcelo Dottori, Ilson C. A. da Silveira, Wellington C. Belo, Renato P. Martins. An inventory of salty and warm subsurface intrusions in the South Brazil Bight.

Birocchi, Paula, Dalton K. Sasaki, **Silva, Danilo A.**, Marcelo Dottori. Implementation of simple models to estimate the discharge through rainfall data from MERGE.

Dottori, Marcelo, Dalton K. Sasaki, **Danilo A. Silva**, Sergio R. D. Giovannino, Andressa P. Pinto, Magnim Gnamah, Arian D. Santos, Ilson C. A. da Silveira, Wellington C. Belo, Renato P. Martins, Danilo L. Moreira. Hydrographic structure of the continental shelf in Santos Basin and its causes: The SANAGU and SANSED campaigns (2019).

Presentations

** presenting author; + mentored undergraduate*

CONTRIBUTED PRESENTATIONS

Silva, Danilo A., Dalton K. Sasaki, Marcelo Dottori, Ilson C. A. da Silveira, Wellington C. Belo, Renato P. Martins. Subsurface thermohaline intrusions at a mid-latitude continental shelf: descriptive climatology and double diffusion role. Ocean Sciences Meeting (virtual), 2022.

Silva, Danilo A.. 2021. Exploring wind-driven primary production through numerical modelling. Early Career Symposium, online.

Silva, Danilo A., Marcelo Dottori. 2018. Anomalous wind-driven circulation during the 2014 summer on the South Brazil Bight. Latin-American Physics of Estuarine and Coastal Ocean (LAPECO). Oral presentation at Florianópolis, Santa Catarina.

Silva, Danilo A., Marcelo Dottori, Belmiro M. de Castro. 2017. The fate of man-made radionuclides in a semi-enclosed basin. 10th International Workshop on Modeling the Ocean (IWMO). Poster presented at Santos, São Paulo.

Teaching Experience

Oct 2021	Python for Undergraduates , Lecturer	<i>Virtual</i>
Oct 2020	Python for Oceanographers , Lecturer	<i>Virtual</i>
Fall 2015	Course , Teaching Assistant	
2019	Principles of Physical Oceanography , Teaching Assistant	<i>University of São Paulo, SP</i>
2019	Coastal and Estuarine Physical Oceanography , Teaching Assistant	<i>University of São Paulo, SP</i>

Outreach

SERVICE AND OUTREACH

2012-2013	Event organization , General Director	<i>Sã Paulo, SP</i>
2011	Undergraduate Student Association , Financial Director	
2009-2017	Filantropic events , Gathering donations for underprivileged communities and bone marrow donation campaigns	