

## Education

**Doctor of Science (D.Sc.)**  
*Ocean and Earth Dynamics*

*Fluminense Federal University (UFF)*  
2015 – 2019

**Master of Science (M.Sc.)**  
*Meteorology*

*National Institute for Space Research (INPE)*  
2008 – 2010

**Bachelor degree**  
*Oceanography*

*Monte Serrat University Centre*  
2003 – 2007

## Work Experience

**Euro-Mediterraneo Center for Climate Change (CMCC)**  
*Post-doctoral Researcher - Oceanography*

2022 – Present  
Lecce, Italy

- Very high resolution ocean and waves modelling for global and coastal regions
- Ocean wave model data, *in situ* and satellite analyses

**Federal University of Rio de Janeiro (UFRJ)**  
*Post-doctoral Researcher - Ocean and Coastal Engineering*

2021 – 2022  
Rio de Janeiro, Brazil

- WRF high resolution simulations for coastal areas
- WRF calibration, operationalization and visualization focused on wind gustiness
- Ocean waves and weather forecast for partner companies and stakeholders.

**National Institute for Space Research (INPE)**  
*Post-doctoral Researcher - Meteorology*

2019-2021  
Cachoeira Paulista, Brazil

- Teaching activities at Remote Sensing and Meteorology Graduate Program.
- Graduate advisor using satellite-derived and reanalyses wind field data at Antarctic Peninsula. Leandro Lanes Master Dissertation concluded (2021) in Remote Sensing.
- Graduate advisor focused on wave-ice interaction at Peninsula Antarctica region. Dayanis Montero Phd Thesis concluded (2024) in Meteorology.
- Atmosphere, ocean and sea ice interaction via numerical studies using COAWST modeling framework.
- Support for students and projects activities involving *in situ* and model data analyses and model simulation.

**Center for Weather Forecasting and Climate Studies (CPTEC)**  
*Research Assistant*

2015-2018  
Cachoeira Paulista, Brazil

- Implementation and management of oceanic operational forecast for RIO2016 Olympic Games.
- Support for ocean forecast products.
- MOM5 Global climatology simulation (1945-2007) for Brazilian Earth System Model (BESM).
- Development of tools for data visualization and statistics.

**Brazilian Navy Hydrography Centre (DHN)**  
*Oceanographer*

2010-2015  
Niteroi, Brazil

- Support for Marine Meteorological Service.
- Implementation and management of oceanic operational forecast (WW3, SWAN, WAM and DELFT3D)
- Ocean Waves Climatology simulations (1979-2014) and analyses for Brazilian Navy Database.

### University of Sao Paulo (USP)

Internship program

2006-2007

Sao Paulo, Brazil

- Development of undergraduate thesis at Laboratory of Numerical Hydrodynamic Simulation.

### Lunus Ambiental Company

Internship program

2005-2006

Santos, Brazil

- Physical and geological *in situ* data collection for ambiental reports.
- Images analyses from Modis/Aqua chlorophyll data.

### Technical skills

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<b>Languages</b>	English (Fluent), Portuguese (Native), Italian (Basic)
<b>Computational</b>	Python, Fortran, Shel scripting, Linux, HPC, Large Database analyses, Numerical Models
<b>Personal</b>	Ability to work in a team environment and also independently

### Awards

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<b>Graduation Certificate of Merit</b>	Monte Serrat University Centre	2008
<b>Institutional Capacity Building Program</b>	National Institute for Space Research	2017