

CURRICULUM SUMMARY

Name: Olga Tiemi Sato

1 Formação

Ano	Meses	Título	Instituição	Título do trabalho
1981/85	53	Undergraduate: Bachelor degree in Physics	Universidade de São Paulo	
1986/88	24	Undergraduate: Teaching degree in Physics	Universidade de São Paulo	
1986/89	36	M.Sc. in Physical Oceanography	Universidade de São Paulo. Adviser: Dr. Affonso da Sil- veira Mascarenhas Jr.	The Sverdup relation in the South Atlantic ocean
1989/97	89	Doctorate (Ph.D.) in Physical Ocea- nography	Graduate School of Ocea- nography, University of Rhode Island, EUA. Adviser: Dr. Thomas Rossby	Seasonal and low freq. va- riab. in the meridional heat flux at 36°N in the North Atlantic
1998/2000	36	Postdoctorate Scholar	JPL - Jet Propulsion Labora- tory, NASA, Caltech, EUA. Supervisor: Dr. W. Timothy Liu	Oceanic heat flux from satel- lite data
2001/2003	24	Postdoctorate	INPE - Instituto Nacional de Pesquisas Espaciais, Bolsista JP FAPESP	Use of satellite data to study the variab. of heat and car- bon fluxes and the sal. ba- lance in the upper layer
2002/2006	48	Postdoctorate	IOUSP, Jovem Pesquisador (JP) FAPESP	Space Technology Center for Studying Dynamic Processes and Ocean Flows on a Global Scale
2006/2007	12	Postdoctorate Se- nior	IOUSP, JP FAPESP and CNPq Postdoc Senior	Multi-scale variation of dy- namic and thermodynamic processes in the South Atlan- tic through Satellites

2 Professional Experience

1. 2010–present: Associate Professor - Instituto Oceanográfico–USP;
2. 2009–2010: Adjunct Professor- UFABC;
3. 2007–2008: Curator of the Science Library - Prefeitura do Município de São Paulo;
4. 2004–2006: Postdoc - Instituto Oceanográfico–USP;
5. 2000–2003: Postdoc - Instituto Nacional de Pesquisas Espaciais (INPE);
6. 1998–2000: Postdoc - Jet Propulsion Laboratory/California Institute of Technology (JPL/Caltech/NASA).

3 List of Publications: 5 most relevant

- [1] M. P. Chidichimo, R. C. Perez, S. Speich, M. Kersalé, J. Sprintall, S. Dong, T. Lamont, O. T. Sato, T. K. Chereskin, R. Hummels, et al. Energetic overturning flows, dynamic interocean exchanges, and ocean warming observed in the South Atlantic. *Communications Earth & Environment*, 4(1):10, 2023.
- [2] O. Sato and P. Polito. Observation of South Atlantic subtropical mode waters with Argo profiling float data. *Journal of Geophysical Research: Oceans*, 119(5):2860–2881, 2014. cited By 24.
- [3] O. Sato, P. Polito, and M. Dottori. On the spatio-temporal scales of the subtropical mode water formation in the south atlantic. *Journal of Geophysical Research: Oceans*, 129(4):e2023JC020759, 2024.
- [4] O. Sato, P. Polito, and W. Liu. Importance of salinity measurements in the heat storage estimation from topex/poseidon. *Geophysical Research Letters*, 27(4):549–551, 2000. cited By 27.
- [5] A. Villas Bôas, O. Sato, A. Chaigneau, and G. Castelão. The signature of mesoscale eddies on the air-sea turbulent heat fluxes in the South Atlantic Ocean. *Geophysical Research Letters*, 42(6):1856–1862, 2015. cited By 52.

Note: Citations according to Scopus.

4 List of financial grants awarded

4.1 Ongoing

1. Abyssal-AI: Connecting North and South to Unlock Deep Atlantic Circulation with AI. **PR - Olga Sato**, Edital CNPq/MCTIC n.º 22/2024. Duração: 2024–2026. Resources: R\$ 500.000,00.

2. SAMOC Partnership for Advanced Research and Collaboration (SPARC) **PR - Olga Sato**, Edital CNPq/MCTIC n.º 16/2024. Duração: 2024–2026. Resources: R\$ 220.000,00.

4.2 Concluded

1. The São Pedro and São Paulo archipelago as a transition zone for inter-hemispheric exchanges (INTERZONAS) PI: Paulo Polito, Edital Ilhas-CNPq: 443260/2019-2. Duração: 2019–2022. Resources: R\$: 480.290,00.
2. “Observations of interannual variations of the MOC in the South Atlantic from Argo and satellite data”. **PI: Olga Sato**. Process CNPq Universal 422096/2018-0. Duration: 2018–2023. Resources: R\$ 60000,00.
3. “Interannual Variability of the Meridional Transports across the SAMOC Basin-wide Array (SAMBAR)”. PI: Edmo Campos. **Co-PI: Olga Sato**. Process FAPESP: 2017/09659-6. Duration: 10/2017 to 10/2022. Participatin as associate investigator. Recursos: R\$ 1.770.531,95 e US\$ 374.679,98
4. “Investigating the formation and maintenance of Subtropical Mode Water in the South Atlantic (SAMOWA)”. **PI: Olga Sato**. Process FAPESP: 2015/26450-8. Duration: 01/04/2016 a 21/03/2018. Resources: R\$ 125830,00 and US\$ 15000,00.
5. “Investigating the interannual variabilidade of salinity in the South Atlantic (VARSAALAS)” - Proc. 2010/15511-2. FAPESP. **PI: Olga Sato** Duration: 2010 a 2013. Resources: R\$ 34141,39 e US\$ 23422,00.
6. “Monitoring of the Upper Branch of the Shallow Cells in the Atlantic using Satellites” - Proc. 558283/2009-8. Project under Edital MCT/CNPq/CT-Hidro/CT-Infra 38/2009 - South Atlantic and climate changes. **PI: Olga Sato**. Duration: 2011 a 2013. Resources: R\$ 47000,00.
7. “ The relationship between salinity variability patterns and thermodynamic variables in the ocean–atmosphere system in the South and tropica Atlanticl. CNPq. Ref. 484592/2006-8. **PI: Olga Sato**. 2006–2008. Resources: R\$ 28000,00.

5 Quantitative Indicators

1	Books Published	0
2	Publication in peer reviewed periodicals	34
3	Chapter in books	1
4	Master thesis supervised	11
	Master thesis defended	11
5	Doctorate dissertation supervised	5
	Doctorate dissertation defended	3
6	Citações recebidas	878 (Google Scholar)

6 Links for Citations

- <https://orcid.org/0000-0003-0751-4373>
- <http://scholar.google.com/citations?user=hF546DoAAAAJ>
- <http://www.researcherid.com/rid/G-3656-2013>

7 Other Relevant Information

- Leader of the Work Package WP5 - Common Standards for Information and Data Sharing for the All Atlantic Cooperation for Ocean Research and innovation (AANChOR), identified as call H2020-BG-2018-1. Responsible for leading the implementation of the All-Atlantic Ocean Data Space (AAODS) to close the gaps in ocean data.
- Member of the Atlantic Regional Panel of the Climate and Ocean - Variability, Predictability and Change (CLIVAR): 2022-2024, <https://www.clivar.org/clivar-panels/atlantic>
- Fellowship CNPq Productivity, level 2: 2022-2025.
- Associate Professor at the University of São Paulo.