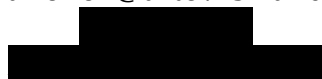


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EDUCATION AND AFFILIATIONS

- 2022-Present, Research Scientist, CNR-ISMAR (Roma, Italy)
- 2018-2022, Postdoctoral Fellow, Nantes University, Remote Sensing & Benthic team Ecology (RSBE), Nantes, France
- 2016-2018, Postdoctoral Fellow, University of Massachusetts Boston, Ocean Remote Sensing Lab, Boston, USA
- 2010-2014, PhD in Remote Sensing, National Institute for Space Research (INPE), São José dos Campos, Brazil
- 2007-2009, Master in Marine Biology, Fluminense Federal University (UFF), Niterói, Brazil
- 1998-2006, BS in Biology, University of Buenos Aires (UBA), Buenos Aires, Argentina

RESEARCH AND PROFESSIONAL EXPERIENCE

- 10 years of experience working with in situ and satellite ocean color data in a diverse range of marine environments, encompassing areas from the intertidal zone to river plumes, shallow waters of coral reefs and seagrass meadows and deep ocean gyres in subtropical regions
- Member of the Harmful Algae Bloom Laboratory (HABLAB) consortium: University of Nantes (France), ISMAR-CNR, IFREMER (France), the Hereon Institute (Germany), Magellium (France), and CSIC (Spain). Its main objective is to characterize, in laboratory, the whole suite of bio-optical properties in hyperspectral resolution of a variety of phytoplankton species responsible to form toxic blooms.
- Participation in 5 oceanographic cruises for acquisition of radiometric (above and in water radiometry) and bio-optical data: EUKAMSAT Cruise (Arabic Sea), Cosimo 2022 Cruise, (Thyrranian Sea), VIIRS Ocean Color Calibration/Validation Cruise (USA), Abrolhos coral reef Bank cruises (Brazil); and many other short cruises in coastal waters: in Glenan Islands (France), Venice Lagoon (Italy), Mass Bay (USA), Ubatuba (Brazil).
- Integrant of the scientific committee of the ocean color satellites “SABIA-MAR” to delineate the objectives of the mission and the technical characteristics of the orbital sensors (2014 – 2015)
- Task leader in the PANDA-WATER project, which focuses on deriving water quality parameters in coastal and inland waters using hyperspectral satellite data (2022-Present)

RELEVANT PEER-REVIEWED PUBLICATIONS

Davies, B.,F.,R., Gernez, P., Geraud, A., Oiry, S., Rosa, P., **Zoffoli, M.L.**, Barillé, L. Multi- and hyperspectral classification of soft-bottom intertidal vegetation using a spectral library for coastal biodiversity remote sensing. *Remote Sensing of Environment* ,(2023), <https://doi.org/10.1016/j.rse.2023.113554>

Medeiros, T.A.G., **Zoffoli, M.L.**, Frouin, R., Cortivo, F.D., Cesar, G.M., Kampel, M., Bio-optical properties of the Brazilian Abrolhos Bank's shallow coral reef waters. *Frontiers in Remote Sensing* (2022), 3:986013. doi: 10.3389/frsen.2022.986013

Zoffoli, M.L., Frouin, R., Moura, R.L., Galvão de Medeiros, T.A., Alex C. Bastos, A.C, Kampel, M., Spatial distribution patterns of coral reefs in the Abrolhos region (Brazil, South Atlantic Ocean). *Continental Shelf Research* (2022), 104808. <https://doi.org/10.1016/j.csr.2022.104808>.

Zoffoli, M.L., Gernez, P., Rosa, P., Le Bris, A., Brando, V.E., Barille, A.L., Harin, N., Peters, S., Poser, K., Spaias, L., Peralta, G., Barille, L. Sentinel-2 remote sensing of *Zostera noltei*-dominated intertidal seagrass meadows. *Remote Sensing of Environment* (2020) 251, 112020, <https://doi.org/10.1016/j.rse.2020.112020>

Lee, Z., Shang, S., Du, K., Lin, G., Liu, T., **Zoffoli, L.**, Estimating the Transmittance of Visible Solar Radiation in the Upper Ocean Using Secchi Disk Observations. *Journal of Geophysical Research: Oceans* (2019), 124, doi: 10.1029/2018JC014543

Zoffoli, M.L., Lee, Z., Marra, J., Regionalization and Dynamic Parameterization of Quantum Yield of Photosynthesis to Improve the Ocean Primary Production Estimates from Remote Sensing, *Frontiers in Marine Science* (2018), Volume 5, Article 446, doi: 10.3389/fmars.2018.00446

Zoffoli, M.L., Lee, Z., Ondrusek, M., Lin, J., Kovach, C., Wei, J., Lewis, M., Estimation of transmittance of solar radiation in the visible domain based on remote sensing: evaluation of models using *in situ* data, *Journal of Geophysical Research: Oceans* (2017), 122: 9176-9188, doi:10.1002/2017JC013209

Zoffoli, M.L., Frouin, R., Kampel, M., Water Column Correction for Coral Reef Studies by Remote Sensing. *Sensors* (2014), 14:16881-16931; doi:10.3390/s140916881