



Salvatore Marullo

I received my Laurea in Physics At the university of Rome “La Sapienza” on December 10th 1981 discussing a thesis titled “Small scale eddies and baroclinic instabilities in the Ligurian Sea”. I am a physical oceanographer that worked at ENEA research center of Frascati (Italy) until November 2023 when he retired. Actually, I am associated scientist at CNR -ISMAR (Institute of Marine Sciences. Rome, Italy). Prior to 1992 I was working at the European Space Agency (1985-1986) and subsequently to Telespazio (1986-1992).

My research activity focus on air-sea interaction, satellite oceanography including Sea Surface Temperature and ocean color and time series analysis. I was involved in the determination of currently used Mediterranean algorithms to determine Chlorophyll concentrations from satellite observations (Volpe et al. 2007) and longwave radiation budget (Bignami et al. 1995), the latter is currently implemented in most Mediterranean General Circulation Models. My current research also includes the study of extreme events such as marine heatwaves (Marullo et al., 2023), as well as the evaluation, using satellite data, of the contribution of the ocean biological carbon pump to the export of organic carbon to depth. I am the author or co-author of nearly 100 peer-reviewed publications, as well as numerous technical project reports and conference papers (see [Google Scholar](#)). I was P.I. or co-investigator of 21 European and national Italian Projects. I was supervisor for thesis of master and Phd, Contract professor for the dynamics of fluids and thermodynamic (AA 2005-2006), “University of la Tuscia”, habilitation to full professor in geophysics since 2013 and Chairperson of the Special Interest Group of Remote Sensing of the Coastal Zone of the EARSeL (the European Association of Remote Sensing Laboratories). I was Member of “Commissione Oceanografica Italiana” i.e. the Italian IOC from 2010 to 2013. I am currently a member of the Science Team of GHR SST (Group for High Resolution Sea Surface Temperature).

Bellacicco, **M.**, **Marullo**, S., Dall’Olmo, G., Iudicone, D., & Buongiorno Nardelli, B. (2025). The oceanic physical injection pump of organic carbon. *Nature Communications*, 16(1), 7100

Volta, C., Bellacicco, M., Xing, X., Yang, G., & **Marullo**, S. (2025). Phytoplankton dynamics in subtropical gyres: New insights into biomass and physiology from 25 Years of satellite observations. *Geophysical Research Letters*, 52(12), e2024GL111817.

Marullo, S., Serva, F., Iacono, R., Napolitano, E., di Sarra, A., Meloni, D., ... & Santoleri, R. (2023). Record-breaking persistence of the 2022/23 marine heatwave in the Mediterranean Sea. *Environmental Research Letters*, 18(11), 114041.

P.J. Minnett , A. Alvera-Azcárate, T.M. Chin, G.K. Corlett, C.L. Gentemann, I. Karagali , X. Li g, A. Marsouin , S. **Marullo**, E. Maturi, R. Santoleri, S. Saux Picart, M. Steele, J. Vazquez-Cuervo (2019). Half a century of satellite remote sensing of sea-surface temperature. *Remote Sensing of Environment*, 233, 111366.

Marullo, S., Pitarch, J., Bellacicco, M., Sarra, A. G. D., Meloni, D., Monteleone, F., ... & Santoleri, R. (2021). Air–sea interaction in the central Mediterranean Sea: assessment of reanalysis and satellite observations. *Remote Sensing*, 13(11), 2188.