

## Maria Saggiomo

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**Current Position:** tecnologo III° livello, Technologist

### **Current Affiliation:**

Research Infrastructures for Marine Biological Resources Department  
Monitoring and Environmental Data Analyses Unit (MEDA)

### **Education/Training/Experience**

<b>Institute and Location</b>	<b>Degree / Function</b>	<b>Year</b>	<b>Field of Study</b>
Università degli Studi di Napoli 'Federico II'	Master (Laurea) in Natural Science	2003	Antarctic diatoms: taxonomy and ecology
Università degli Studi di Messina	Ph.D In Environmental Sciences	2007	Taxonomic and functional diversity of <i>Skeletonema</i>
Stazione Zoologica Anton Dohrn, Napoli, Italy	Fellowship	2003-2004	Coastal water monitoring
Stazione Zoologica Anton Dohrn, Napoli, Italy	Technologist Temporary position	2007-2011	Coastal water monitoring and taxonomy and ecophysiology in Antarctic diatoms
Stazione Zoologica Anton Dohrn, Napoli, Italy	Technologist Permanent position	2012-present	Diversity and ecophysiology of phytoplankton in temperate and polar ecosystems

### **Other**

Member of the Associazione Italiana di Oceanografia e Limnologia (AIOL), Società Italiana di Ecologia (SitE), International Society for Diatom Research, Società Italiana di Biologia Marina (S.I.B.M.).

Involved in four EU-funded projects, and in six national research projects.

Participant in several monitoring programs and environmental impact evaluations for local/national institutions.

Responsible of chemotaxonomic analyses (HPLC) in the LTER-MareChiara program.

Participant in three expeditions in Antarctica, one expedition through a Mediterranean-Indian-Pacific Ocean Transect, one expedition in the South Atlantic Ocean (Patagonia Shelf) and seven oceanographic cruises in the Mediterranean Sea.

***List of publications of the last 10 years:***

**Peer-reviewed publications:**

Carella, F.; Aceto, S.; Saggiomo, M.; Mangoni, O.; De Vico, G. (2014) - Gorgonian disease outbreak in the Gulf of Naples: pathology reveals cyanobacterial infection linked to elevated sea temperatures. *Diseases of Aquatic Organisms*, 110(3), 69-80

Caroppo C., Cabrini M., Facca C., Lazzara L., Mangoni O., Penna A., Saggiomo V., **Saggiomo M.**, Socal G., Totti C. (2014). Evaluation of pelagic environmental Status through the phytoplankton community study. *Biol. Mar. Mediterr.*, 21 (1): 402-405

Mangoni O., Basset A., Bergamasco A., Carrada G.C., Margiotta F., Passarelli A., Rivaro P., **Saggiomo M.**, Saggiomo V. (2013). A case study on the application of the MSFD to Mediterranean coastal systems: the Po plume, as a transitional water system in the Northern Adriatic basin. *Transitional Waters Bulletin* 7 (2): 175-201.

**Saggiomo M.**, Mangoni O., Margiotta F., Saggiomo V., Santarpia I., Casotti R. (2013). A Chemotaxonomical approach towards synthetic indicators of phytoplankton composition in the context of the Marine Strategy Framework Directive (MSFD). *Biol. Mar. Mediterr.*, 20 (1): 222-223

Margiotta F., Mangoni O., Santarpia I., **Saggiomo M.**, Saggiomo V., Casotti R. (2013) Response of phytoplankton assemblages to terrigenous pressures in the Southern Thyrrenian Sea. *Biol. Mar. Mediterr.*, 20 (1): 214-215

Mangoni O., Casotti R., Margiotta F., **Saggiomo M.**, Saggiomo V. (2013). Marine Strategy: Spatio-temporal dynamics of phytoplankton assemblages in different coastal marine areas of the Adriatic Sea. *Biol. Mar. Mediterr.*, 20 (1): 212-213

Saggiomo V., Santarpia I., **Saggiomo M.**, Margiotta F., Mangoni O., (2011). Primary production processes and photosynthetic performance of a unique periantarctic ecosystem: the Strait of Magellan. *Polar Biology* 34: 1255-1267.

Mangoni O., Margiotta F., **Saggiomo M.**, Santarpia I., Budillon G., Saggiomo V. (2011). Trophic characterization of the pelagic ecosystem in Vlorë Bay (Albania). *Journal of Coastal Research* 58: 67-79.

Mangoni O., **Saggiomo M.**, Modigh M., Catalano G., Zingone A. and Saggiomo V. (2009). The role of platelet ice microalgae in seeding phytoplankton blooms in Terra Nova Bay (Ross Sea, Antarctica): a mesocosm experiment. *Polar Biology*, 32 (3): 311-323.

Kooistra W.H., Zingone A., **Saggiomo M.**, Sarno D. (2006). Biogeography and species diversity within the phytoplankton diatom genus *Skeletonema*. PSA Abstracts *Journal of Phycology*, 42 (s1): 26.

**Saggiomo M.**, Kooistra W. H., Sarno D., Montresor M., Lopez C.B., Cloern J.E., Hargraves P.H., Zingone A. (2006). Differences in *Skeletonema* distribution among three distant temperate coastal sites. PSA Abstracts *Journal of Phycology*, 42 (s1): 31-32

**Saggiomo M.**, De Stefano M., Mangoni O., Saggiomo V., Sarno D., Zingone A. (2006). Sympagic diatom in the annual pack ice of Terra Nova Bay, Ross Sea, Antarctica. PSA Abstracts *Journal of Phycology*, 42 (s1): 32

### **Book Chapters:**

Saggiomo V., Pugnetti A., **Saggiomo M.**, Santarpia I., Mangoni O. (2010). Produzione Primaria. In: Metodologie di studio del plancton marino/"; Manuali e Linee Guida 56/2010, ISPRA, SIBM Roma, pp. 325-335. Socal G., Buttino I., Cabrini M., Mangoni O., Penna A., Totti C. (Eds.)

### **Book:**

Mangoni O., Margiotta F., Modigh M., **Saggiomo M.**, Santarpia I., Villani G. (2008). The Med Marine Coastal Ecosystems - Characterization of typical benthic and nektonic communities - Guide of scuba diving itineraries - Atlas of the species. V. Saggiomo, C.S. Petrillo (Eds.), Enzo Albano Publisher, Napoli, pp. 1-149.