

Munari Marco



Born in Padova the 3rd of February 1983

Tel.: +39 081 5833512

Fax: +39 081 7641355

e-mail: marco.munari@szn.it; flashmsr83@gmail.com

Skype: marcomunariphd

ORCID: <https://orcid.org/0000-0002-2702-5393>

Scholar: <https://scholar.google.it/citations?user=bVUwR0MAAAAJ&hl=it>

Current Position: 3rd Level Researcher

Affiliation: Section IME (Integrative Marine Ecology), Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and location	Degree /Function	Year	Field of Study
Università degli Studi di Padova (Italy)	Bachelor Degree	2002-2005	Marine Biology
Università di Pisa (Italy)	Master Degree	2005-2008	Marine Biology
Università degli Studi di Padova (Italy)	Post-graduate fellowship	2008-2010	ACIDBIV, European Circle-Med Project. Title: <i>The integrated impacts of marine acidification, temperature and precipitation changes on bivalve coastal biodiversity and fisheries: how to adapt?</i>
Università degli Studi di Padova (Italy)	PhD Student	2011-2014	Evolutionary Biology. Title: <i>Combined effects of seawater acidification and emerging contaminants on marine bivalves.</i>
Università degli Studi di Padova (Italy)	Post-Doc	2014-2016	Title: <i>Combined effects of seawater acidification and environmental contaminants on the early life stages of marine invertebrates.</i>
Stazione Zoologica "Anton Dohrn", Benthic Ecology Center in Ischia (Napoli, Italy)	Post-Doc	2017 (from January to September)	Title: <i>High-CO₂ Seas: Assessing the impacts of ocean acidification on marine biodiversity and species adaptation</i>
Stazione Zoologica "Anton Dohrn", Benthic Ecology Center in Ischia (Napoli, Italy)	3 rd Level Researcher	2017 - Present	<i>Ecotoxicology, evolutionary consequences of environmental stressors and climate changes</i>

Scientific papers

Munari M, Matozzo V, Marin MG, 2010. Vitellogenin induction in the clam, *Ruditapes philippinarum*, and the crab, *Carcinus aestuarii*, from the Lagoon of Venice: a comparative study. *Fresenius Environmental Bulletin* 19 (10a), 2312-2317.

- Munari M**, Matozzo V, Marin MG, 2011. Combined effects of temperature and salinity on functional responses of haemocytes and survival in air of the clam *Ruditapes philippinarum*. *Fish and Shellfish Immunology* 30, 1024-1030.
- Matozzo V, Chinellato A, **Munari M**, Finos L, Bressan M, Marin MG, 2012. First evidence of immunomodulation in bivalves under seawater acidification and increased temperature. *PLoS One* 7(3) e33820.
- Matozzo V, Chinellato A, **Munari M**, Bressan M, Marin MG, 2013. Can the combination of decreased pH and increased temperature values induce oxidative stress in the clam *Chamelea gallina* and the mussel *Mytilus galloprovincialis*? *Marine Pollution Bulletin* 72, 34-40.
- Munari M**, Marin MG, Matozzo V, 2014. Effects of the antidepressant fluoxetine on the immune parameters and acetylcholinesterase activity of the clam *Venerupis philippinarum*. *Marine Environmental Research* 94, 32-37.
- Munari M**, Sturve J, Frenzilli G, Sanders MB, Christian P, Nigro M, Lyons BP, 2014. Genotoxic effects of Ag₂S and CdS nanoparticles in blue mussel (*Mytilus edulis*) haemocytes. *Chemistry and Ecology*, doi.org/10.1080/02757540.2014.894989.
- Munari M**, Sturve J, Frenzilli G, Sanders MB, Brunelli A, Marcomini A, Nigro M, Lyons BP, 2014. Genotoxic effects of CdS quantum dots and Ag₂S nanoparticles in fish cell lines (RTG-2). *Mutation research* 775–776, 89–93.
- Bressan M, Chinellato A, **Munari M**, Matozzo V, Mancini A, Marceta T, Finos L, Moro I, Pastore P, Badocco D, Marin MG, 2014. Does seawater acidification affect survival, growth and shell integrity in bivalve juveniles? *Marine Environmental Research* 99, 136-148.
- Range P, M. A. Chicharro MA, Ben-Hamadou R, Pilò D, Fernandez-Reiriz MJ, Labarta U, Marin MG, Bressan M, Matozzo V, Chinellato A, **Munari M**, El Menif NT, Dellali M, Chicharro L, 2014. Impacts of CO₂-induced seawater acidification on coastal Mediterranean bivalves and interactions with other climatic stressors. *Regional Environmental Change* 14 (Suppl 1), 19-30.
- Marisa I, Matozzo V, **Munari M**, Binelli A, Parolini M, Martucci A, Franceschini E, Brainese N, Marin MG, 2016. In vivo exposure of the marine clam *Ruditapes philippinarum* to zinc oxide nanoparticles: responses in gills, digestive gland and haemolymph. *Environmental Science and Pollution Research*, DOI 10.1007/s11356-016-6690-5.
- Munari M**, Chemello G, Finos L, Ingrosso G, Giani M, Marin MG, 2016. Coping with seawater acidification and the emerging contaminant diclofenac at the larval stage: A tale from the clam *Ruditapes philippinarum*. *Chemosphere*, 160, 293-302.
- Munari M**, Matozzo V, Gagné F, Chemello G, Riedl V, Finos L, Pastore P, Badocco D, Marin MG, 2018. Do seawater acidification and diclofenac induce oxidative stress in marine bivalves? A comparison study with the mussel *Mytilus galloprovincialis* and the clam *Ruditapes philippinarum*. *Environmental Pollution* 240, 925-937.
- Matozzo V, Zampieri C, **Munari M**, Marina MG, 2019. Glyphosate affects haemocyte parameters in the clam *Ruditapes philippinarum*. *Marine Environmental Research*, 146, 66-70.
- Munari M**, Matozzo V, Chemello G, Riedl V, Pastore P, Badocco D, Marin MG, 2019. Seawater acidification and emerging contaminants: A dangerous marriage for haemocytes of marine bivalves. *Environmental research*, 175, 11-21.
- Matozzo V, **Munari M**, Masiero L, Finos L, Marin MG, 2019. Ecotoxicological hazard of a mixture of glyphosate and aminomethylphosphonic acid to the mussel *Mytilus galloprovincialis* (Lamarck 1819). *Scientific reports* 9 (1), 1-9.
- Ruocco N, Bertocci I, **Munari M**, Musco L, Caramiello D, Danovaro R, Zupo V, Costantini M, 2020. Morphological and molecular responses of the sea urchin *Paracentrotus lividus* to highly contaminated marine sediments: The case study of Bagnoli-Coroglio brownfield (Mediterranean Sea). *Mar. Environ. Res.* 154, 104865.
- Limatola N, Bertocci I, Chun JT, Musco L, **Munari M**, Caramiello D, Danovaro R, Santella L, 2020. Oxygen supersaturation mitigates the impact of the regime of contaminated sediment reworking on sea urchin fertilization process. *Mar. Environ. Res.* doi.org/10.1016/j.marenvres.2020.104951.
- Chiarore A, Musco L, Bertocci I, Gallo A, Cannavacciuolo A, Mutalipassi M, Caramiello D, Giomi F, Fusi M, Danovaro R, **Munari M**, 2020. Sea urchin chronicles. The effect of oxygen super-saturation and marine polluted sediments from Bagnoli-Coroglio Bay on different life stages of the sea urchin *Paracentrotus lividus*. *Mar. Environ. Res.* 159, 104967.
- Foo S, Koweek DA, **Munari M**, Gambi MC, Byrne M, Caldeira K, 2020. Responses of sea urchin larvae to field and laboratory acidification. *Science of the Total Environment* 723, 138003.
- Munari M**, Matozzo V, Benetello G, Riedl V, Pastore P, Badocco D, Marin MG, 2020. Exposure to Decreased pH and Caffeine Affects Hemocyte Parameters in the Mussel *Mytilus galloprovincialis*. *J. Mar. Sci. Eng.* 8, 238.