

Marianna Musco, Phd

PERSONAL INFORMATIONS

Name: Marianna

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Place and date of birth: Palermo, November 25th 1982

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INTRODUCTION

Since 2012 I am working as Researcher at the Italian National Research Council, Institute for Coastal Marine Environment, carrying out biological and ecological analyzes on benthic and planktonic marine organisms for several projects aimed at environmental monitoring.

My research interests mainly concern marine ecology and biology, with particular interest in: mechanisms of coupling between physical-chemical factors and biological resources in coastal marine environment, foraminiferal taxonomy, biological and biochemical and ecological characteristics of foraminifera, bioindication, organisms mechanisms of response in relation to different stress and pollution, taxonomy and distribution of zooplankton.

EDUCATION

2012 - PhD in Environmental Science at the Ca 'Foscari University of Venice with the project: "Study of the benthonic foraminifera along the Sicilian coasts (Tyrrhenian Sea and Sicily Channel) and their use as bioindicators".

2008 - Degree in Natural Sciences with the final mark of 110/110 with honors at the University of Palermo. Title of the thesis: "Studio dei foraminiferi bentonici nella Piattaforma del Canale di Sicilia e loro possibile utilizzo come bioindicatori" Supervisor: Prof. A. Mazzola.

2000 - High School degree Liceo Classico G. Meli Palermo, final mark 71/100

WORKING EXPERIENCE

- Technician Expert at the Regional Agency for Environmental protection - ARPA Sicilia, ST3 Marine Area, on the study of zooplankton of the Pelagic Habitat.
- Researcher at National Research Council of Italy (CNR)-Institute of Marine and Coastal Environment of Capo Granitola on the topic of ecological studies on pelagic and benthonic organisms as potential bioindicators.
- Occasional professional services at National Research Council of Italy (CNR)-Institute of Marine and Coastal Environment of Capo Granitola on the topic of scientific dissemination.

PUBBLICATONS

Musco, M., Bicchi, E., Tranchida, G., Cuttitta, A., 2017. Atlas of Benthic Foraminifera of Sicily Channel. Palaeontologia Electronica, Accepted.

Patti, B., Zarrad, R., Jarboui, O., Cuttitta, A., Basilone, G., Aronica, S., Placenti, F., Tranchida, G., Armeri, G.M., Buffa, G., Ferreri, R., Genovese, S., **Musco, M.**, Traina, A., Torri, M., Mifsud, R., Mazzola, S., 2017. Anchovy

(*Engraulis encrasicolus*) early life stages in the Central Mediterranean Sea: connectivity issues emerging among adjacent sub-areas across the Strait of Sicily. *Hydrobiologia*, pp. 1-16. DOI: 10.1007/s10750-017-3253-9

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A. M. Pappalardo, A. Cuttitta, A. Sardella, **M. Musco**, T. Maggio, B. Patti, S. Mazzola, V. Ferrito, G. M. Armeri, F. Placenti, G. Tranchida, R. Mifsud, A. Bonanno, 2015. DNA barcoding and COI sequence variation in Mediterranean lanternfishes larvae. *Hydrobiologia*, 749 (1): 155–167. doi:10.1007/s10750-014-2161-5.

A. Cuttitta, B. Patti, T. Maggio, E. M. Quinci, A. M. Pappalardo, V. Ferrito, V. De Pinto, M. Torri, F. Falco, A. Nicosia, **M. Musco**, G. M. Armeri, F. Placenti, G. Tranchida, R. Mifsud, A. Bonanno, S. Mazzola, 2015. Larval population structure of *Engraulis encrasicolus* in the Strait of Sicily as revealed by morphometric and genetic analyses. *Fisheries Oceanography*, 24: 135–149. doi: 10.1111/fog.12098.

M. Musco, A. Cuttitta, S. Bonomo, G. Tranchida, A. Mazzola, S. Vizzini, C. Tramati, A. Bonanno, B. Patti, G. Basilone, 2011. The effect of heavy metals presence on benthic foraminifera communities in the Gulf of Gela (Sicilian Channel). *Marine Research at CNR*, ISSN 2239-5172 Volume DTA/06-2011: 203-212.

A. Cuttitta, L. Caruana, B. Patti, A. Bonanno, C. Patti, B. De Luca, S. Bonomo, E. Quinci, G. Tranchida, **M. Musco**, T. Masullo, M. Borghi, G. Buscaino, 2011. Study of the Biomass and Spatial Distribution of Deep Pelagic Fish Larvae of Sicilian Channel in Relationships to the Physical and Chemical Parameters of the Water Column. *Marine Research at CNR* ISSN 2239-5172 Volume DTA/06-2011: 287-298.

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Basilone G., **Musco M.**, Caruana L., Cuttitta A., Bonanno A., Patti B., Buscaino G., Mazzola S., 2006. Risultati preliminari su alcuni aspetti dell'alimentazione dell'acciuga europea (*Engraulis encrasicolus*) nello Stretto di Sicilia. *Biologia Marina Mediterranea*, 13: 801-805.