

Marianna Del Core, PhD

Personal information

Name: Marianna

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Place and date of birth: Napoli, 19/06/1977

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Profile

Currently, my research interests were concentrated on environmental studies, mainly addressed to characterize marine environmental in terms of trace metals. My work includes chemical analysis of different matrices as seawater, sediments and tissue by using ICP-AES and ICP-MS to define geochemical behavior of trace metals in marine environmental and study their effects on human impact.

Education

(2010) PhD in Chemical Science at University of Federico II –Naples, with a thesis titled: “Speciation of Trace Metals in seawater: The Mediterranean Sea”.

(2005) University Degree in Chemical and Pharmaceutical Technology-University of Naples.

Working experience

Since 2012, fixed-term contract -Technologist Level III (0001713 del 04/04/2012) "Study of the distribution of trace elements in Sicily Channel Seawater"

(2011) Term contract (0002366 del 21/06/2011): Working project for " Sampling and development of official methods for the physical, chemical and bacteriological analysis of ballast water".

(2010-2011) Research Grant (0002030 del 15/09/2010): Working Project for " Letter of agreement between IAMC CNR UOS di Capo Granitola e Food and agriculture organization of the united nations (FAO)".

(2008-2010) Research Grant (0001055 del 15/04/2008): Working Project for “Realization of geological mapping of coastal marine areas on scale 1: 50,000 of Naples, Ercolano, Ischia, Procida, Sorrento (northern part), Capri, Sapri, Palinuro, Agropoli and Foce Sele”.

(2007) Term contract (0001542 del 06/07/2007): Working Project for “ Survey on the distribution of concentrations of trace metals and REEs in Mediterranean waters and understanding of their speciation in solution”.

Oceanographic surveys on CNR vessels: “CISAS I Milazzo” (2017); “SOLVAY II” (2017); “Marine Strategy II” 2016; “Marine Strategy I” 2015; Anomcity 2015, 2014, 2013 e 2012; SICSIA 2011, 2012; MEDSUDMED 2010; “AEOLIAN 2010”; “ETYMES” 2009; “SESAME IT4” 2008; “AEOLIAN” 2007; “TRANSMED” 2007.

List of publications

- Fabio D’Agostino, Marianna Del Core, Salvatore Mazzola, Mario Sprovieri. Synthesis of water as MEPC.174(58) G8 influent water for testing ballast water management systems. Environ Monit Assess (2015) 187: 642 DOI 10.1007/s10661-105-4873-z.
- A.Bellante, V.Maccarrone, G.Buscaino, G.Buffa, F.Filiciotto, A.Traina, M.Del Core, S.Mazzola, M.Sprovieri. Trace element concentrations in red swamp crayfish (*Procambarus clarkii*) and surface sediments in Lake Preola and Gorghetti Tondi natural reserve, SW Sicily. Env Monit Assess (2015) 187:404 DOI 10.1007/s10661-015-4613-4.

Chapters in books

- Daniela Salvago Manta, Maria Bonsignore, Marianna Del Core. Il Mercurio nella colonna d’acqua-Inquinamento ambientale e salute umana-il caso studio della Rada di Augusta (ed. 2015) di Mario Sprovieri. Codice identificativo (ISBN): 978-88-8080-153-5. Anno pubblicazione: 2015

- Mario Sprovieri, Marco Barra, Marianna Del Core, Gabriella Di Martino, Serena Gherardi, Sara Innangi, Elvira Oliveri, Salvatore Passaro, Teresa Romeo, Paola Rumolo, Daniela Salvagio Manta, Stella Tamburrino, Renato Tonielli, Anna Traina, Mattia Vallefucio, Salvatore Mazzola and Franco Andaloro. Marine pollution from shipwrecks at the sea bottom: a case study from the Mediterranean basin in Mediterranean Sea: Ecosystem, Economic Importance and Environmental Threats, Nova Science. Codice identificativo (ISBN): 978-1-62618-238-7. Anno pubblicazione: 2013
- Marianna Del Core, Mario Sprovieri, Daniela Salvagio Manta. Dissolved and particulate concentrations of Lead in the Mediterranean Sea (ed.2011). Codice identificativo(ISSN): 2239-5172

Technical Report

- Fabio D'Agostino, Marianna Del Core, Mario Sprovieri, Marco Prestigiacomio, Massimo Via. La clorazione in situ per il trattamento delle acque di zavorra Ballast Water Treatment System.(2015)
- Mario Sprovieri, Marco Barra, Marianna Del Core, Gabriella Di Martino, Serena Gherardi, Sara Innangi, Elvira Oliveri, Salvatore Passaro, Teresa Romeo, Paola Rumolo, Daniela Salvagio Manta, Stella Tamburrino, Renato Tonielli, Anna Traina, Mattia Vallefucio, Salvatore Mazzola and Franco Andaloro, 2013. Marine pollution from shipwrecks at the sea bottom: a case study from the Mediterranean basin. In Hughes, T.,B. (Ed), Mediterranean Sea: Ecosystems, Economic Importance and Environmental Threats, NOVA Science Publishers, pp.35-64.
- Sprovieri, Mario and Barra, Marco and Buffa, Gaspare and Buscaino, Carmelo and Del Core, Marianna and Di Martino, Gabriella and Falco, Francesca and Gherardi, Serena and Giaramita, Luigi and Giorgi, Susanna and Innangi, Sara and Oliveri, Elvira and Passaro, Salvatore and Salvagio Manta, Daniela and Spagnolo, Cecilia and Tamburrino, Stella and Tonielli, Renato and Traina, Anna and Tranchida, Giorgio and Mazzola, Salvatore. Attività di ricerca per l'individuazione di sabbie relitte sulla piattaforma siciliana nell'area prospiciente il golfo di Gela (2014).
- Di Martino, Gabriella and Passaro, Salvatore and Sprovieri, Mario and Oliveri, Elvira and Del Core, Marianna and Traina, Anna and Corrado, Lorena and Ciaramitaro, Veronica and Mirrione, Alessandra and Filardo, Dario and Manna, Vincenzo and Musanti, Mauro and Bonsignore, Maria and Laurenza, Tiziana and De Luca, Biagio and Carito, Stefano and Gherardi, Serena and Mazzola, Salvatore. Campagna oceanografica ANOMCITY_2013
- F.D'Agostino, M.Del Core, M.Sprovieri; La clorazione in situ per il trattamento delle acque di zavorra, Ballast Water Treatment System (2013).
- 2012- S. Gherardi, M. Del Core, M. Iavarone, L. Prevedello, P. Rumolo, D. Salvagio Manta, S. Tamburrino, M. Vallefucio, M. Sprovieri; "Determinazione di idrocarburi pesanti in sedimenti e suoli mediante spettrofotometria infrarossa con trasformata di Fourier".(1759TR2012 del 12/03/2012).
- 2010- M. Sprovieri, S. Passaro, E. Marsella, P. Bruno, E. T. Baker, C. De Ronde, E. Anzalone, K.Britten, F. Crisafi, M. Del Core, G. Di Martino, C. D'Isanto, K. Faure, S. Gherardi, S. Innangi, F. Italiano, V. La Cono, M. Leybourne, J. E. Lupton, G. Milano, L. Prevedello, M. Punzo, S. Ruggieri, S. Sammartino, P. Scotto di Vettimo, L. Spada, S. Tamburrino, R. Tonielli, M. Vallefucio, R. Viscardi, S. L. Wa – Walzer ; "Oceanographic Cruise Aeolian '07" (837BC2010 del 08/02/2010).

Conferences and conventions

- 2015- Barsanti M., Delbono I., Schirone A., Conte F., Delfanti R. , Del Core M., Tamburrino S., Sprovieri M.- ²¹⁰Pb as tracer of contaminant transport in a complex canyonchannel system (Gulf of Cagliari, South Sardinia. Western Mediterranean Sea).Proceedings of the 3th International on Po and radioactive Pb Isotopes.
- Workshop on acidification in aquatic environments: "What can marine science learn from limnological studie of acid rain?" P. Rumolo, M. Barra, M. DelCore, L. Prevedello, S. Gherardi and M. Vallefucio. Tools to provide possible response to ocean acidification. INSTITUTE OF MARINE RESEARCH" 27-29 September 2011 in Tromsø, Norway. Abstract and Poster
- 2009- Sprovieri M., Del Core M.,and Salvagio Manta D.,Barra M. - Dissolved and particulate trace metals in Northwestern Mediterranean Sea. Workshop TRANSMED. Ancona – Marzo 2009.
- 2008- Del Core M., Sprovieri M.,and Salvagio Manta D. - Dissolved trace metals in seawater: new insights from the SESAME IT4 oceanographic cruise. Workshop S-IT4. Pisa -Dicembre 2008.