

4Fabio D'Agostino, PhD

Personal information

Name: Fabio

Surname: D'Agostino

Place and date of birth: Palermo, 21/10/1970

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Profile

My current research activity is focalized to assess the environmental contamination by organic and inorganic compound and principally by contaminants as polycyclic aromatics hydrocarbon (PAH), organochlorine e pesticides (OCP), polybrominated diphenyl ethers (PBDE) and others.

My work involves i) chemical analysis to determine contaminant concentration in different environmental matrices as sea water, sediment, tissues of marine organisms ii) the study of the potential impact of this pollutants on environment and human health. I currently use GC/MS, GC/MS/MS, GC-FID, GC-ECD, HPLC/UV/RF, Ion Chromatography. Furthermore, I am also an expert of other analytical technique as X ray diffraction (XRD), Infrared Spectroscopy (FTIR), thermo gravimetric analysis and differential thermo analysis (TG/DTA) and Atomic Absorption Spectroscopy.

Education

(2007) Master degree in “Chemistry” with specialization in “Environmental Analytical Chemistry” at the University of Palermo (IT)

(2003) PhD in “Chemical Technologies and New Materials” at the University of Palermo

(2000) Master degree in “Chemical Engineering” at the University of Palermo

Working experience

(Since 2011) Researcher Level III, with fixed-term contract, at the Italian National Research Council – Institute for the Ambient Marine Coastal (CNR-IAMC)

(2010-2009) Responsible chemical laboratory at Sicilian government laboratory for food safety

(2009-2008) Laboratory technician at Sicilian government laboratory for food safety

(2003-2007) Researcher Grant at the University of Palermo

Oceanographic surveys on CNR vessels:

(2016) Anomcity 2016

List of publications

- (2017) Bellante A., D'Agostino F., Traina A., Piazzese D., Milazzo M.F. and Sprovieri M. Hg and Se exposure in brain tissues of striped dolphin (*Stenella coeruleoalba*) and bottlenose dolphin (*Tursiops truncatus*) from the Tyrrhenian and Adriatic Seas. *Ecotoxicology*. 26(2):250-260.
- (2016) Hannachi A, Elarbaoui S, Khazri A, D'Agostino F, Sellami B, Beyrem H, Gambi C, Danovaro R, Mahmoudi E.
Effects of antifouling booster biocide Irgarol 1051 on the structure of free-living nematodes: a laboratory experiment. *Environmental Science: Processes and Impacts*
- (2016) Amel Hannachi, Soumaya Elarbaoui Abdelhafidh Khazri, Badreddine Sellami, Eugenio Rastelli, Fabio D'Agostino, Hamouda Beyrem, Ezzeddine Mahmoudi, Cinzia Corinaldesi, Roberto Danovaro. Impact of the biocide Irgarol on meiofauna and prokaryotes from the sediments of the Bizerte lagoon—an experimental study. *Environmental Science and Pollution Research*, pp 1-10
- (2015) Fabio D'Agostino, Marianna Del Core, Simone Cappello, Salvatore Mazzola, Mario Sprovieri. Synthesis of water suitable as the MEPC.174(58) G8 influent water for testing ballast water management systems.
Environmental Monitoring and Assessment
- (2014) Fabio D'Agostino, Elvira Oliveri, Emanuela Bagnato, Francesca Falco, Salvatore Mazzola, Mario Sprovieri
Direct determination of total mercury in phosphate rock using alkaline fusion digestion.
Analytica Chimica Acta, 852, pp. 8–12
- (2014) Aldo Nicosia, Monica Celi, Mirella Vazzana, Maria Alessandra Damiano, Nicolò Parrinello, Fabio D'Agostino, Giuseppe Avellone, Serena Indelicato, Salvatore Mazzola, Angela Cuttitta.
Profiling the physiological and molecular response to sulfonamidic drug in *procambarus clarkii*
Comparative biochemistry and physiology, part c 166, pp. 14–23
- (2008) Rizzo, G., D'Agostino, F., Ercoli, L.
Problems of soil and groundwater pollution in the disposal of "marble" slurries in nw sicily.
Environmental Geology, volume 55, issue 5, pp 929-935
- (2007) Inguanta, R., Amodeo, M., D'Agostino, F., Piazza, S., Sunseri, C.
Preparation of pd-coated anodic alumina membranes for gas separation media.
Journal of the electrochemical society, volume 154, issue 3, pages d188-d194
- (2006) Inguanta, R., Amodeo, M., Volpe, M., D'Agostino, F., Piazza, S., Sunseri, C.
Developing a procedure to optimize electroless deposition of thin palladium layer on anodic alumina membranes.
Desalination, volume 199, issue 1-3, pages 352-354
- (2005) Tranchina, L., Brai, M., D'Agostino, F., Bartolotta, A., Rizzo, G.
Trace metals in "posidonia oceanica" seagrass from south-eastern sicily
Chemistry and ecology, 21 (2), pp. 109-118