

Bellante Antonio PhD

Personal information

Name: Antonio **Surname:** Bellante **Place and date of birth:** Palermo, 04/12/1980 **Address:** IAMC-CNR Via del Mare, 3 Torretta Granitola (Fraz. Campobello di Mazara, TP) 91021, Italy **Nationality:** Italy

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Profile

My current research activity is linked to marine biogeochemistry, with special regards to the monitoring of marine pollution. The main objective of my work is to assess the environmental status of marine ecosystem using the concentration of different contaminants in different tissues of marine organisms that can be used as bioindicator of marine pollution.

Education

(2005) University Degree in Biological Sciences-University of Palermo.

(2010) PhD in Science and High Tecnology, with a thesis titled: "Trace elements and stable isotope in tissues and organs of five species of cetaceans from the Italian coasts".

Working experiences

(2011-2012) Term contract researcher at the IAMC-CNR of Capo Granitola focused on use of survey systems on marine environment and chemical pollution.

(2008-2009) Term contract researcher at the IAMC-CNR of Capo Granitola focused on new methods for the study of pollutants and marine mammals ecology.

(2006-2007) Term contract researcher at the IAMC-CNR of Capo Granitola focused on projects of model management of marine resources. Collection of environmental and biological data in the Strait of Sicily.

List of publications

Bellante A., Sprovieri M., Buscaino G., Salvagio Manta D., Buffa G., Di Stefano V., Bonanno A., Barra M., Patti B., Giacomina C., Mazzola S. Trace elements and vanadium in tissues and organs of five species of cetaceans from Italian coasts. *Chemistry and Ecology*, 2009, 25: 311-323.

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Buscaino G., Filiciotto F., Gristina M., Buffa G., **Bellante A.**, Maccarrone V., Patti B., Mazzola S. Defensive strategies of European spiny lobster *Palinurus elephas* during predator attack. *Marine Ecology*

Progress Series, 2011, 423: 143-154.

Buscaino G., Filiciotto F., Gristina M., **Bellante A.**, Buffa G., Di Stefano V., Maccarrone V., Tranchida G., Buscaino C., Mazzola S. Acoustic behaviour of european spiny lobster *Palinurus elephas*. Marine Ecology Progress Series, 2011, 441: 177-184.

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Filiciotto F., Buscaino G., Buffa G., **Bellante A.**, Maccarrone V., Mazzola S. Anaesthetic qualities of Eugenol and 2-Phenoxyethanol and their effects on same haematological parameters in farmed European sea bass (*Dicentrarchus Labrax*). Journal of Animal and Veterinary Advances, 2012, 4: 494-502.

Bellante A., Salvagio Manta D., Traina A., Buscaino G., Buffa G., Barra M., Tamburino S., Mazzola S., Sprovieri M. Trace elements in tissues of Sperm Whales stranded along the italian coasts. Chemistry and Ecology, 2013, 29: 204-214.

Hardt F.A., Cremer M.J., Tonello A.J., **Bellante A.**, Buffa G., Mazzola S., Barreto A.S. Martinelli L.A., Zuppi G.M. Use of carbon and nitrogen stable isotopes to study the feeding ecology of small coastal cetacean populations in southern Brazil. Biota Neotropica, 2013, 13: 90-98.

Bellante A., Maccarrone V., Buscaino G., Buffa G., Filiciotto F., Traina A., Del Core M., Mazzola S., Sprovieri M. Trace element concentrations in red swamp crayfish (*Procambarus clarkii*) and surface sediments in Lake Preola and Gorgi Tondi natural reserve, SW Sicily. Environmental Monitoring and Assessment, 2015, 187: 1-18.

Bellante A., Piazzese D., Cataldo S., Parisi M.G., Cammarata M. Evaluation and comparison of trace metal accumulation in different tissues of potential bioindicator organisms: macrobenthic filter feeders *Styela plicata*, *Sabella spallanzanii* and *Mytilus galloprovincialis*. Environmental Toxicology and Chemistry, 2016, 35: 1-9.

Parrinello D., **Bellante A.**, Parisi M., Sanfratello M., Indelicato S., Piazzese D., Cammarata M. The scidian *Styela placata* hemocytes as a potential biomarker of marine pollution: In vitro effects of seawater and organic mercury. Ecotoxicology and Environmental Safety, 2016, 136: 126-134.

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