

Roberta Guerra

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Academic discipline: FIS/07 Applied Physics

Roberta Guerra earned a MSc and a PhD in Marine Environmental Sciences at the University of Bologna. She is currently assistant professor (tenured) at the School of Sciences of the University of Bologna, Ravenna

Campus. She was visiting scientist at the National Accelerator Centre (CAN) of the Universidad de Sevilla in 2015, the Faculty of Marine and Environmental Sciences at the University of Cádiz in 2002, 2014, 2018-2019, the Instituto de Biofísica at the Federal University of Rio de Janeiro (UFRJ) in 2012, and the Pukyong National University in the Republic of Korea in 2012.

Her research has centered on the sources, fluxes and historical deposition of pollutants in the coastal ocean. Her early work was in the areas of sediment contamination, bioavailability and toxicity. Her current research focuses on the impacts of climate change on benthic processes and the burial of nutrients (C, N, P), especially on the understanding of carbon cycling in the coastal ocean and continental margins.

She has been active on a series of international research projects and networks including the EU COST action 'Ocean Governance for Sustainability - challenges, options and the role of science' (OCEAN-GOV, 2016-2020), the Research Excellence Project 'Carbon cycling and fluxes of greenhouse gases in the Gulf of Cádiz' (OCAL/CARINCA, 2016-2019), the Brazilian Ciências sem Fronteiras (CsF) 'Patterns of natural and human-made interacting processes on source, transport and fate of organic carbon and contaminants in the deep marine ecosystem of the Adriatic Sea basin' (2013-2016), and the EU 'Unravelling and exploiting Mediterranean Sea microbial diversity and ecology for Xenobiotics' and pollutants clean up' (ULIXES, 2011-2013).

She is currently leading the research activity 'Design and implementation of the observing systems' within the Italy –Croatia Interreg Project AdriaClim 'Climate change information, monitoring and management tools for adaptation strategies in Adriatic coastal areas' at the UNIBO-CIRSA.

Since 2011, she has taught at EU Erasmus Mundus PhD and MSc Programmes on MARine/WATER and COASTAL MANAGEMENT at the University of Cádiz.