

Enza Maria Quinci, PhD

Personal information

Name: Enza Maria

Surname: Quinci

Place and date of birth: Mazara del Vallo, 18 May 1980

Address: Via del Mare 3 - 91021 Campobello di Mazara- Italy

Nationality: Italian

E-mail: enzamaria.quinci@iamc.cnr.it

Tel.: 0039092440600



Profile

I have been working as research technologist at National Research Council of Italy (CNR)-Institute of Marine and Coastal Environment since 2006. My research interests mainly concern the application of statistical and geostatistical methods for monitoring the marine environment, including multivariate analysis of physical, biological and chemical data, physical/biological interactions in marine ecosystem, population dynamics, stock assessment modelling and essential fish habitat modelling.

Education

- Ph.D. in Environmental Science at Ca' Foscari University in Venice. Thesis: "Identification of the spawning and nursery areas of European anchovy (*Engraulis encrasicolus*) in the Strait of Sicily"
- 2nd level University Master degree in "Biostatistics and Epidemiology" at Alma Mater Studiorum University in Bologna
- M.Sc. in Economics and Statistical Science at University of Palermo

Working experience

- Research Technologist at National Research Council of Italy (CNR)-Institute of Marine and Coastal Environment of Mazara del Vallo on the topic "Application of statistical and geostatistical methods for monitoring the marine environment, including multivariate analysis of physical, biological and chemical data, physical/biological interactions in marine ecosystem, population dynamics, stock assessment modelling, spatial modelling and essential fish habitat modelling"
- Research Fellowship at National Research Council of Italy (CNR)-Institute of Marine and Coastal Environment of Mazara del Vallo on the topic "Statistical analysis of biological data to analyse essential fish habitat, particularly the interactions between small pelagic populations and climate change"
- Research Fellowship at National Research Council of Italy (CNR)-Institute of Marine and Coastal Environment of Mazara del Vallo on the topic "Elaboration and analysis of environmental, climatic, socio-economic and alieutic database"
- Occasional professional services at National Research Council of Italy (CNR)-Institute of Marine and Coastal Environment of Mazara del Vallo on the topic "Assessment of the impact of sportive fishing on the artisanal coastal fishing"

List of publications

- S. Bonomo, F. Placenti, S. Zgosi, M. Torri, **E. M. Quinci**, A. Cuttitta, S. Genovese, S. Mazzola, S. Aronica, M. Barra, A. El Turki, M. Hamza, O. Uheshi, M. Bara, M. Assughayer, A. Bonanno (2017). *Relationship between coccolithophores and the physical and chemical oceanography of the eastern Libyan coastal waters*. Hydrobiologia (in Press)
- Sergio Bonomo, Francesco Placenti, **Enza Maria Quinci**, Angela Cuttitta, Simona Genovese, Salvatore Mazzola, Angelo Bonanno. (2017). *Living coccolithophores community from Southern Tyrrhenian Sea (Central Mediterranean — Summer 2009)*. Marine Micropaleontology, 131: 10-24
- Marianna Musco, Angela Cuttitta, Erica Bicchi, **Enza Maria Quinci**, Mario Sprovieri, Giorgio Tranchida, Luigi Giaramita, Anna Traina, Daniela Salvagio Manta, Serena Gherardi, Pietro Mercurio, Angelo Siragusa, Salvatore Mazzola. (2017). *Benthic Foraminifera as bio-indicators of anthropogenic impacts in coastal environments: Acqua dei Corsari area case study (Palermo, Italy)*. Marine Pollution Bulletin, 117 (1-2): 75-87
- Francesca Giaime, Fulvio Onorati, Mario Sprovieri, **Enza Maria Quinci**, Fulvio Ferrara, Mario Carere. (2016). *La gestione dei sedimenti marini: verso un percorso univoco di valutazione della qualità nei nuovi disposti normativi*. Ingegneria dell'Ambiente, Vol. 3 n. 4/2016
- Angela Cuttitta, **Enza Maria Quinci**, Bernardo Patti, Sergio Bonomo, Angelo Bonanno, Marianna Musco, Marco Torri, Francesco Placenti, Gualtiero Basilone, Simona Genovese, Grazia Maria Armeri, Antonina Spanò, Marco Arculeo, Antonio Mazzola, Salvatore Mazzola. (2016). *Different key roles of mesoscale oceanographic structures and ocean bathymetry in shaping larval fish distribution pattern: a case study in Sicilian waters in summer 2009*. Journal of Sea Research, 115: 6-17

- Cuttitta Angela, Bonomo Sergio, Zgozi Salem, Bonanno Angelo, Patti Bernardo, **Quinci Enza Maria**, Torri Marco, Hamza Mohamed, Fatah Abdul, Haddoud Daw, El Turki Akram, Ramadan Abdul Bari, Genovese Simona, Mazzola Salvatore. (2016). *The influence of physical and biological processes on the ichthyoplankton communities in the Gulf of Sirte (Southern Mediterranean Sea)*. Marine Ecology, 37 (4): 831–844
- Vazzana Mirella, Celi Monica, Maricchiolo Giulia, Genovese Lucrezia, Corrias Valentina, **Quinci Enza Maria**, De Vincenzi Giovanni, Maccarrone Vincenzo, Cammilleri Gaetano, Mazzola Salvatore, Buscaino Giuseppa, Filiciotto Francesco. (2016). *Are mussels able to distinguish underwater sounds? Assessment of the reactions of Mytilus galloprovincialis after exposure to lab-generated acoustic signals*. Comparative biochemistry and physiology. Part A, Molecular & integrative physiology, 201: 61-70
- Monica Celi, Francesco Filiciotto, Giulia Maricchiolo, Lucrezia Genovese, **Enza Maria Quinci**, Vincenzo Maccarrone, Salvatore Mazzola, Mirella Vazzana, Giuseppa Buscaino. (2016). *Vessel noise pollution as a human threat to fish: assessment of the stress response in gilthead sea bream (Sparus aurata, Linnaeus 1758)*. Fish Physiol Biochem, 42(2): 631-641
- Maria Bonsignore, Nunzia Andolfi, **Enza Maria Quinci**, Anselmo Madeddu, Francesco Tisano, Vincenzo Ingallinella, Maria Castorina, Mario Sprovieri. *Valutazione dell'esposizione al mercurio nelle popolazioni residenti in prossimità dell'area industriale della Rada di Augusta*. (2016). Epidemiologia e prevenzione, 40 (5): 307-315
- Vincenzo Maccarrone, Francesco Filiciotto, Gaspare Buffa, Vincenzo Di Stefano, **Enza Maria Quinci**, Giovanni de Vincenzi, Salvatore Mazzola, Giuseppa Buscaino. *An invasive species in a protected area of southern Italy: the structure, dynamics and spatial distribution of the crayfish Procambarus clarkii (Girard, 1852)*. (2016). Turkish journal of fisheries and aquatic sciences, 16: 401-412
- Cuttitta A., Patti B., Maggio T., **Quinci E. M.**, Pappalardo A. M., Ferrito V., De Pinto V., Torri M., Falco F., Nicosia A., Musco M., Armeri G.M., Placenti F., Tranchida G., Mifsud R., Bonanno A. and Mazzola S. (2015). *Larval population structure of Engraulis encrasicolus in the Strait of Sicily as revealed by morphometric and genetic analysis*. Fisheries Oceanography, 24: 135–149
- G. Basilone, K. Ganiyas, R. Ferreri, M. D'Elia, **E.M. Quinci**, S. Mazzola, A. Bonanno. (2015). *Application of GAMs and multinomial models to assess the spawning pattern of fishes with daily spawning synchronicity: A case study in the European anchovy (Engraulis encrasicolus) in the central Mediterranean Sea*. Fisheries Research, 167: 92–100
- M. Bonsignore, S. Tamburrino, E. Oliveri, A. Marchetti, C. Durante, A. Berni, **E. Quinci**, M. Sprovieri. (2015). *Tracing mercury pathways in Augusta Bay (southern Italy) by total concentration and isotope determination*. Environmental Pollution, 205: 178-185
- Farina Almo, Ceraulo Maria, Bobryk Chris, Pieretti Nadia, **Quinci Enza**, Lattazzi Emanuele. (2015). *Spatial and temporal variation of bird dawn chorus and successive acoustic morning activity in a Mediterranean landscape*. Bioacoustics, 24 (3): 269-288
- Pelayo-Villamil, P., Guisande, C., Vari, R. P., Manjarrés-Hernández, A., García-Roselló, E., González-Dacosta, J., Heine, J., González Vilas, L., Patti, B., **Quinci, E. M.**, Jiménez, L. F., Granado-Lorencio, C., Tedesco, P. A., Lobo, J. M. (2015). *Global diversity patterns of freshwater fishes – potential victims of their own success*. Diversity and Distributions, 21: 345–356
- A. Bonanno, F. Placenti, G. Basilone, R. Mifsud, S. Genovese, B. Patti, M. Di Bitetto, S. Aronica, M. Barra, G. Giacalone, R. Ferreri, I. Fontana, G. Buscaino, G. Tranchida, **E. Quinci** and S. Mazzola. (2014). *Variability of water mass properties in the Strait of Sicily in summer period of 1998–2013*. Ocean Science, 10: 759–770
- M. Giannoulaki, M. Iglesias, M. P. Tugores, A. Bonanno, B. Patti, A. De Felice, I. Leonori, J. L. Bigot, V. Ticina, M. M. Pyrounaki, K. Tsagarakis, A. Machias, S. Somarakis, E. Schismenou, **E. Quinci**, G. Basilone, A. Cuttitta, F. Campanella, J. Miquel, D. Onate, D. Roos and V. Valavanis. (2013). *Characterizing the potential habitat of European anchovy Engraulis encrasicolus in the Mediterranean Sea, at different life stages*. Fisheries Oceanography, 22 (2): 69–89

Chapters in books

- 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*. Volume Speciale Mare - CNR Dipartimento Terra e Ambiente pp. 289-300
- Ferreri R, Basilone G, **Quinci E**, D'Elia M, Fontana I, Giacalone G, Aronica S, Bonanno A. (2011). *Revaluation of DEPM biomass estimation of European anchovy (Engraulis encrasicolus) in central Mediterranean Sea with a new post-ovulatory follicles age method*. Volume Speciale Mare - CNR Dipartimento Terra e Ambiente pp. 2117-2126
- Basilone G., Bonanno A., Patti B., Grammauta R., Cuttitta A., Aronica S., Giacalone G., Fontana I., Buscaino G., De Luca B., Patti B., **Quinci E.**, Falco F. *Effect of Sea Surface Temperature and wind forcing on the potential spawning habitat of European anchovy (Engraulis encrasicolus) in the Strait of Sicily*. Volume Speciale Mare - CNR Dipartimento Terra e Ambiente pp. 65-76