

RICCARDO CATTANEO-VIETTI
CURRICULUM VITAE

Riccardo Cattaneo-Vietti, full Professor in Ecology at the Faculty of Sciences of the Polytechnic University of Marche (Ancona), was born in Genoa (Italy) on 16th July 1949. Graduated in Biological Sciences at University of Genoa (1972), he is interested in marine ecology and biology, in particular the study of Mediterranean and Antarctic benthic communities. He is a specialist on the Opisthobranch Molluscs and has been responsible for several research projects related to benthic communities and the management of marine protected areas (Sistema Afrodite, Fish and Spill-over, ASPIM I and ASPIM II).

In Antarctica, he worked on population dynamics, reproduction, trophic relationships, and benthic-pelagic coupling.

Regional Editor of Marine Biology Journal for a decade (1997-2007), he is now Associate Editor of Aquatic Biology.

Author of 9 books on marine ecology topics and fishery activities; he summarized his studies in over 350 scientific publications, mostly published in international journals. His interest were focused on structure and dynamics of littoral environments, such as cave and coralligenous communities, on the red coral biology, the effects of sedimentation on the benthic communities, and the influence of mineralogical features of substrate on settling and community structure.

He represented the University of Genoa in the Board of the Marine Protected Area of Portofino and is member of the Scientific Council of the Marine Protected Area of Tavolara - Capo Coda Cavallo and has been member for six years of the scientific board of the Italian Oceanographic Society, member of several scientific associations (Italian Oceanographic Society, Italian Marine Biology Society, Italian Malacological Society and Unitas Malacologica).

He has taken part in several scientific expeditions around the world (Norway, Scotland, Cape Verde Islands, Chile, Antarctica, Great Barrier Reef, and Japan).

He served on the Administrative Board and the Board of the *National Consortium for Marine Sciences* (CONISMA) 2003-2012 and was Director of the Marine Biology Center at the University of Genoa.

Tertiary education

1972: University of Genoa, graduated in Biological Sciences

Honours and distinctions

1997-2007: Regional Editor for Marine Biology, Springer-Verlag International Journal, Germany

2007 to up date: Associate Editor for Aquatic Biology, Inter Research, Germany

1999-2001: Vice-President of European Federation of the Societies in Marine Science and Technology (EFMS)

1998-2005: member of the Joint Committee of the Science Faculty of the University of Genoa

2000: Delegate of the Genoa University Chancellor inside the Scientific Committee of the Italian Museum of Antarctica.

2000-2005: member of the International Affair Committee of the Genoa University

2003-07: President of the Environmental Science Degree of the Faculty of Science

2008: winner of the "Libro del Mare" Prize, Casinò di San Remo (Italy)

2010: winner of the "Tridente d'Oro" prize (International Academy of Underwater Science and Technology)

Employment record

1973-74: grant at Istituto Talassografico of Triest (Italy)
1975-80: grant at the University of Genoa, Institute of Comparative Anatomy
1981-97: senior researcher at the Zoology Institute of the University of Genoa
1987: visiting researcher at the Zoology Dpt. of the Bristol University (UK)
1998: Associate professor in Ecology at the Genoa University
2000: Full professor in Ecology at the Genoa University
2010: Full professor in Ecology at the Polytechnic University of Marche

Papers from 2010

Cattaneo-Vietti R., G. Albertelli, S. Aliani, S. Bava, G. Bavestrello, L. Benedetti Cecchi, C.N. Bianchi, E. Bozzo, M. Capello, M. Castellano, C. Cerrano, M. Chiantore, N. Corradi, S. Cocito, L. Cutroneo, G. Diviaco, M. Fabiano, M. Faimali, M. Ferrari, G.P. Gasparini, M. Locritani, L. Mangialajo, V. Marin, M. Moreno, C. Morri, L. Orsi Relini, L. Pane, C. Paoli, M. Petrillo, P. Povero, R. Pronzato, G. Relini, G. Santangelo, S. Tucci, L. Tunesi, M. Vacchi, P. Vassallo, L. Vezzulli, M. Wurtz, 2010. The Ligurian Sea: state of the art, problems and perspectives. *Chemistry and Ecology*, **26**: 319-340.

Cummings V.J., S. Thrush, M. Chiantore, J.E. Hewitt, R. Cattaneo-Vietti, 2010. Macrobenthic communities of the north western Ross Sea shelf: links to depth, sediment characteristics and latitude. *Antarctic Science*, **22** (6): 793-804.

Mangialajo L., Ganzin N., Accoroni S., Asnaghi V., Blanfuné A., Cabrini M., Cattaneo-Vietti R., Chavanon F., Chiantore M., Cohu S., Costa E., Fornasaro D., Grossel H., Marco-Miralles F., Masó M., Reñé A., Rossi A.M., Montserrat Sala M., Thibaut T., Totti C., Vila M., Lemée R., 2010. Trends in *Ostreopsis* proliferation along the Northern Mediterranean coasts. *Toxicon*, **57**: 408-420.

Thrush S., Chiantore M., Asnaghi V., Hewitt J., Fiorentino D., Cattaneo-Vietti R., 2011. Habitat-diversity relationships in rocky shore algal turf infaunal communities. *Marine Ecology Progress Series*, **424**: 119-132.

La Mesa G., Molinari A., Bava S., Finoia M.G., Cattaneo-Vietti R., Tunesi L., 2011. Gradients of abundance of sea breams across the boundaries of a Mediterranean marine protected area. *Fisheries Research*, **111** (1-2): 24-30.

Faimali M., V. Giussani, V. Piazza, F. Garaventa, C. Corrà, V. Asnaghi, D. Privitera, L. Gallus, R. Cattaneo-Vietti, L. Mangialajo, M. Chiantore, 2012. Toxic effects of harmful benthic dinoflagellate *Ostreopsis ovata* on invertebrate and vertebrate marine organisms. *Marine Environmental Research*, **76**: 97-107.

Mangialajo L., M. Chiantore, M.-L. Susini, A. Meinesz, R. Cattaneo-Vietti, T. Thibaut, 2012. Zonation patterns and interspecific relationships of fucoids in microtidal environments. *Journal of Experimental Marine Biology and Ecology*, **412**: 72-80.

Bavestrello G., R. Cattaneo-Vietti, C.G. Di Camillo, M. Bo, 2012. Helicospiral growth in the whip black coral *Cirrhopathes* sp. (Antipatharia, Antipathidae). *Biological Bulletin*, **222**: 17-25.

Iwasaki N., T. Fujita, G. Bavestrello, R. Cattaneo-Vietti, 2012. Morphometry and population structure of non-harvested and harvested populations of the Japanese red coral *Paracorallium japonicum* off Amami Island, southern Japan. *Marine and Freshwater Research*, **63**: 1-7.

Privitera D., V. Giussani, G. Isola, M. Faimali, V. Piazza, F. Garaventa, E. Cantamessa, R. Cattaneo-Vietti, M. Chiantore, 2012. Toxic effects of *Ostreopsis ovata* on larvae and juveniles of *Paracentrotus lividus*. *Harmful Algae* **18**: 16-23.

Asnagli V., R. Bertolotto, V. Giussani, L. Mangialajo J. Hewitt, S. Thrush, P. Moretto, M. Castellano, A. Rossi, P. Povero, R. Cattaneo-Vietti, M. Chiantore, 2012. Interannual variability in *Ostreopsis ovata* bloom dynamics along Genoa coast (North-western Mediterranean): a preliminary modelling approach. *Cryptogamie, Algologie*, **33**: 181-189.

La Mesa G., P. Guidetti, S. Bussotti, R. Cattaneo-Vietti, A. Manganaro, A. Molinari, G.F. Russo, N. Spanò, G. Vetrano, L. Tunesi, 2013. Rocky reef fish assemblages at six Mediterranean marine protected areas: broad-scale patterns in assemblage structure, species richness and composition. *Italian Journal of Zoology*, **80**: 90-103.

Bertolino M., B. Calcinai, R. Cattaneo-Vietti, C. Cerrano, A. Lafratta, M. Pansini, D. Pica, G. Bavestrello, 2013. Stability of the sponge assemblage of the Mediterranean coralligenous along a millennial span of time. *Marine Ecology*, **35**: 149-158.

Uda K., Komeda Y., Fujita T., Iwasaki N., Bavestrello G., Giovine M., Cattaneo-Vietti R., Suzuki T., 2013. Complete mitochondrial genomes of the Japanese pink coral (*Corallium elatius*) and the Mediterranean red coral (*Corallium rubrum*): a re-evaluation of the phylogeny of the family Coralliidae based on molecular data. *Comparative Biochemistry and Physiology - Part D: Genomics and Proteomics*, **8**(3): 209-219.

Bo M., Bava S., Canese S., Angiolillo M., Cattaneo-Vietti R., Bavestrello G., 2014. Fishing impact on deep Mediterranean rocky habitats as revealed by ROV investigation. *Conservation Biology*, **171**: 167-176.

Cattaneo-Vietti R., V. Cappanera, M. Castellano, P. Povero, 2014. Yield and catch changes in a Mediterranean Small Tuna Trap: a climate change effect? *Marine Ecology*, **35**: 1-12.

Bramanti L., I. Vielmini, S. Rossi, G. Tsounis, M. Iannelli, R. Cattaneo-Vietti C. Priori, G. Santangelo, 2014. Demographic parameters of two populations of red coral (*Corallium rubrum* L. 1758) in the North Western Mediterranean. *Marine Biology*, **161**: 1015-1026.

Bavestrello G., Bo M., Bertolino M., Betti F., Cattaneo-Vietti R., 2014. Long-term comparison of structure and dynamics of the red coral metapopulation of the Portofino Promontory (Ligurian Sea): a case-study for a Marine Protected Area in the Mediterranean Sea. *Marine Ecology* in press. ISSN 0173-9565.

Bavestrello G., Bo M., Canese S., Sandulli R., Cattaneo-Vietti R., 2014. The red coral populations of the Gulf of Naples and Salerno: human impact and deep mass mortalities. *Italian Journal of Zoology* in press.

Zenetos A., V. Mačić, A. Jaklin, L. Lipej, D. Poursanidis, F. Crocetta, R. Cattaneo-Vietti, S. Beqiraj, F. Betti, D. Poloniato, L. Kashta, S. Katsanevakis, 2015. Adriatic Opisthobranchs:

shedding light on biodiversity issues. *Marine Ecology*, in press.

Asnaghi V., S.F. Thrush, J.E. Hewitt, L. Mangialajo, R. Cattaneo-Vietti, M. Chiantore, 2015. Colonization Processes and the Role of Coralline Algae in Rocky Shore Community Dynamics. *Journal of Sea Research*, **95**: 132-138.

Corriero G., Pierri C., Accoroni S., Alabiso G., Bavestrello G., Barbone E., Bastianini, Bazzoni A.M., Bernardi Aubry F., Boero F., Buia M.C., Cabrini M., Camatti E., Cardone F., Cataletto B., Cattaneo-Vietti R., Cecere E., Cibic T., De Olazabal A., D'onghia G., Finotto S., Fiore N., Fornasaro D., Frascetti S., Giangrande A., Gravili C., Longo C., Lorenti M, Lugliè A., Maiorano P., Mazzocchi M.G., Mercurio M., Mastrototaro F., Mistri M., Monti M., Munari A., Nonnis-Marzano C., Padedda B.M., Patti F.P., Petrocelli A., Piraino S., Portacci G., Pugnetti A., Pulina S., Romagnoli T.C., Rosati I, Sarno D., Satta C.T., Schiaparelli S., Sechi N., Scipione B., Sion L., Terlizzi A., Tirelli V., Totti C., Tursi A., Ungaro N., Zingone A., Zupo V., Basset A., 2015. Ecosystem vulnerability to alien and invasive species: a case study on marine habitats along the Italian coast. *Aquatic Conservation: Marine and Freshwater Ecosystems*. doi: 10.1002/aqc.2550.

Betti F., R. Cattaneo-Vietti, S. Bava, 2015. Northernmost record of *Godiva quadricolor* (Gastropoda: Nudibranchia) in the SCI “Fondali Noli-Bergeggi” (Ligurian Sea). *Marine Biodiversity Records*, **8**: 1-4.

Bertolino M., F. Betti, M. Bo, R. Cattaneo-Vietti, M. Pansini, J. Romero, G. Bavestrello, 2015. Changes and stability of a Mediterranean sponge community over 25 years. *Marine Ecology* (accepted).

Betti F., R. Cattaneo-Vietti, S. Bava, 2015. First Italian records of cold water species, *Okenia aspersa* and *Doto koenneckeri* (Gastropoda: Nudibranchia), extremely uncommon in the Mediterranean Sea. *Marine Biodiversity Records*. (accepted).