

Curriculum Vitae Dr. Mariachiara CHIANTORE

- Degree in Biology (110/110 with laude) at University of Genoa in 1992.
- PhD in Environmental Sciences (Sea Science) in 1996.
- Since 2000 Researcher at the University of Genoa, Faculty of Sciences, at Department for the Study of Territory and its Resources (DipTeRis), now Department for Earth, Environment and Life Sciences (DiSTAV).
- Since 1st October 2014, Associate Professor at DiSTAV
- Abilitated as Full Professor in Ecology since 31 October 2014
- Since 2013 associated at no cost to the staff of CNR- IBF.
- Author of over 100 scientific papers on international journals and more than 100 contributions to national and international congresses.
- Referee for more than 20 international scientific journals.
- Affiliation: Department for Earth, Environment and Life Sciences (DiSTAV), University of Genoa – Corso Europa, 26 – I 16132 Genoa (Italy); Tel. 010-3538384 – Fax 010- 3538102
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Research Interests

- distribution, structure, biodiversity and functioning of coastal benthic communities
- benthic-pelagic coupling processes
- connectivity and resilience in benthic marine communities
- trophic and reproductive ecology of molluscs and echinoderms
- aquaculture and integrated multi trophic aquaculture, echinoculture
- ecology of benthic toxic microalgae, with particular reference to *Ostreopsis ovata*
- ocean acidification effects on shallow temperate reef communities
- ecological restoration.

Awards

In 2006 I was awarded the Premio Felice Ippolito, from Italian Antarctic Project and the Accademia dei Lincei, because of the activities and the scientific production in the field of Antarctic Ecology.

Research Projects

Since my early career, during my PhD and before my recruitment as a researcher at the University of Genoa, I participated, as a member of a Research Unit, to several national projects (Programmi 40%, Regione Liguria, PNRA, EOCUMM94, EOCUMM95, Progetti CoNISMa PRISMA2, SIMA, Afrodite, ASPIM, PRIN1999)

Since 2000, as a member of a Research Unit, I took part to a PRIN project (PRIN 2003: *Struttura e dinamica delle comunità bentoniche marine in rapporto al substrato minerale*; Project Coordinator Prof. Riccardo Cattaneo-Vietti) and to projects with ARPA Liguria and ICram.

Since 2002 I was PI of Research Unit in several PNRA projects (PEA 2002/8.06 L'ecosistema costiero della Terra Vittoria: struttura e distribuzione lungo un gradiente latitudinale; PEA 2004/8.02 Polar Dove; PEA 2009/A1.13 LTER Osservatorio Marino dell'Area Marina Protetta di Baia Terra Nova-MOA TNB).

Since 2006, coordinator of two PNRA projects:

- PEA 2006/8.02. L'ecosistema costiero di Baia Terra Nova nell'ambito del programma Latitudinal Gradient Project; 60.000 Euro;
- 2013/AZ1.03: Effetti dell'acidificazione sul benthos Antartico-ACAB; 38.000 Euro).

Recently founded PNRA project, where I'm PI of a research unit:

- PNRA16_00289: *Benthic biodiversity and ecosystem functioning of the Deep ROss SEa in a changing Southern Ocean* (BEDROSE)

- PNRA16_00105: *Microbial colonization of benthic ANTArctic environments: responses of microbial abundances, diversity, activities and larval settlement to natural or anthropogenic disturbances and search for secondary metabolites* (ANT- Biofilm)

Recently founded PNRA project, where I'm component of a research unit:

- PNRA18_00361: *Assessment of the MZS impacts on macro-benthic natural capital, beta diversity and connectivity and Ross Sea MPA ASPA 161 zonation proposals* (SIZA)

In 2006 I was PI of a project funded by University of Genoa (Qualità ecologica e fioriture di *Ostreopsis* in Liguria 8077 Euro) and, in 2014-2015, I was project partner in two Projects funded by the Ligurian Region under support of the EC: Ovmeter (*Ostreopsis ovata* meter; PAR-FAS 2007-2013) and IMPAQUA (piattaforma di Monitoraggio e Previsione dell'impatto Ambientale degli impianti acQUATICI; POR).

Since 2008 I'm involved in several FP7 and other EC projects:

- 2008-2011: ENRICH (*Enrichment of aquaculture systems by introduction of commercially underdeveloped marine species from different trophic levels*; FP7-BSG-SME-2007-1: GA # 222492; total EC financial contribution 1.188.880 Euro, of which 273.00 Euro to my Research Unit), playing the role of Project Coordinator.
- 2008-2010: BIOCONNECTENCE (*Biodiversity and connectivity in the resilience in coastal marine communities*; FP7-Marie Curie International Incoming Fellowship: GA # 221065; total EC financial contribution 233.872 Euro), as scientific responsible of the Host Institution.
- 2012-2016: COCONET (*Towards COast to COast NETWORKS of marine protected areas from the shore to the high and deep sea, coupled with sea-based wind energy potential*; FP7-OCEAN.2011-4: GA # 287844; total EC financial contribution 9.000.000 Euro, of which 21.000 Euro to my Research Unit) as task leader and member of the RU CoNISMa.
- 2012-2016: IDREEM (*Increasing Industrial Resource Efficiency in European Mariculture*; FP7-ENV.2012.6.3-1: GA # 287844; total EC financial contribution 4.206.000 Euro, of which 327.480 Euro to my Research Unit), as PI of the RU of the Genoa University and WP leader of the *Environmental Interactions* WP.
- 2014-2015: RESURCH (*Research & technological development to improve economic profitability and environmental Sustainability of sea Urchin farming*; FP7- SME-2013-1: GA # 606042; total EC financial contribution 1.197.900 Euro, of which 167.310 Euro to my Research Unit), playing the role of Project Coordinator.
- 2014-2015: M3-HABs (Identification Number 37/2371: *Risk Monitoring, Modelling and Mitigation of Benthic Harmful Algal Blooms along Mediterranean coast*; ENPI-CBCMED: total EC financial contribution 1.798.254 Euro, of which 227.513 Euro to my Research Unit-CoNISMa), playing the role of Project Coordinator.
- 2016-2022: RE.LIFE (Project Number: LIFE15 NAT/IT/000771: *Re-establishment of the Ribbed Limpet (Patella ferruginea) in Ligurian MPAs by restocking and controlled reproduction*; LIFE 2015: total EC financial contribution 748.235 Euro; of which 145.347 Euro to my Research Unit).
- 2017-2021: ROC-POP-LIFE (Project Number: LIFE16 NAT/IT/000816: *Promoting biodiversity enhancement by Restoration Of Cystoseira POPulations*; LIFE 2016: total EC financial contribution 543.597 Euro; of which 102.890 Euro to my Research Unit).

Since 2020 I'm involved in the following PRIN 2017 Project:

- 2020-2023: BRITeS (Project Number: 2017FNZPNN: *BRITeS- Byproduct Recycling: Innovative TEchnology from the Seas*; PRIN 2017 ERC: SH2, Line A: total MIUR financial contribution 639.045 Euro; of which 166.770 Euro to my Research Unit).

In 2021 I'm UNIGE referent for the project "Blu di Genova: un nuovo modo di scoprire, studiare e proteggere la scogliera cittadina", in the framework of the programme "Blue new deal tra volontariato e innovazione", founded by Fondazione Carige.

I got two financial contributions to perform research abroad:

- Funding from Fondazione CARIGE in 2001: 6 months at the *Oregon Institute of Marine Biology* (OIMB), working with Prof. Richard Emlet on sea urchin larval ecology.
- *CNR-NATO grant* in 2004: 3 months in Croatia, at the Dubrovnik University, performing research on sea urchin populations spatial variability and on the effects of grazing on macroalgal communities.

Teaching

Since 2000 I've been teaching at the Faculty of Mathematical, Physical and Natural Sciences of the Genoa University, for the bachelor degrees in Environmental and Biological Sciences.

- In 2000-2001, I collaborated to the course on Fundamentals of Analysis of Ecological Systems, Biology I, Conservation of Nature and its Resources.
- Since 2001-2002 I have co-taught the optional course on Antarctic Ecology (2 credits, 16 hours), for the bachelor degrees in Environmental Sciences.
- In 2002-2003 I have been co-teaching the fundamental course on Laboratory of Applied Ecology (4 credits, 32 hours), for the bachelor degree in Environmental Sciences.
- Since 2004-2005 to 2009-2010 I have been teaching the fundamental course on Numerical Ecology (4 credits, 32 hours), for the bachelor degree in Environmental Sciences.
- Since 2009-2010 to 2015-2016 I have been teaching the fundamental course on Quantitative Ecology (5 + 1 credits: 40 hours Teaching + 15 hours Data Analyses), for the bachelor degree in Environmental Sciences.
- Since 2011-2012 to 2017-2018 I have been teaching the fundamental course on Data Analyses Applied to Monitoring (2+1 credits: 16 hours Teaching + 15 hours Data Analyses), for the master degree in Biological Monitoring.
- Since 2016-2017 I am teaching the fundamental course on Ecology (6 credits, 48 hours), for the bachelor degree in Biology
- Since 2016-2017 I am teaching the fundamental course on Quantitative Ecology (5 + 1 credits: 40 hours Teaching +15 hours Data Analyses), for the master degree in Marine Biology and Ecology.
- Since 2019-2020 I am teaching the fundamental courses on Fundamentals of Ecology (6 credits, 48 hours) and Exercises in Ecology (3 credits, 24 hours) for the bachelor degree in Natural and Environmental Sciences.
- Since 2021-2022 I'm teaching the optional course on Introduction to Marine Biology and Ecology (4 credits, 32 hours), for the bachelor degree in Biology.
- Since 2021-2022 I'm co-teaching the optional course on Restoration Ecology (2 credits, 16 hours), for the master degree in Marine Biology and Ecology.

Undergraduate tutoring

- Since my recruitment at DipTeRis (now DiSTAV) I tutored no less than 150 students in Environmental, Natural and Biological Sciences (bachelor and master degrees).

PhD tutoring

- Since 2003 to 2011, I have been component of the teaching board of the PhD in Polar Sciences (University of Siena).
- From 2011 to 2013 I have been component of the teaching board of the PhD in Environmental Sciences (Sea Science, University of Genoa).
- From 2013 to 2019 I have been component of the teaching board of the PhD in Sciences and Technologies for the Environment and the Territory (University of Genoa).
- From 2019 I am component of the teaching board of the PhD in Sea Sciences and Technologies (Centro del Mare - University of Genoa).
- Overall, I tutored seven PhD theses and took part to committees for the final PhD defense exam or acted as an external reviewer in several Italian and foreign Universities.

Postgraduate and postdoctoral tutoring

Within the projects I have been involved in the last 6 years, I have funded research grants, scholarships and employment contracts for a total of no less than 200 man-months in total.

Institutional activities

Since 2007 I have been a member of the Board of Area 05 (Biology), in charge of the allocation of funds and research grants of the University of Genoa.

Since 2011 I am responsible of the Erasmus exchanges for the degree in Environmental Sciences.

Since 2012 to 2018 I was member of the Scientific Commission of DiSTAV.

Since 2015 I am referent for Internationalization activities of DiSTAV.

From 2016 to December 2018: president of the Scientific Commission of DiSTAV.

Since 2018 Representative of the Genoa University in the Fishery and Aquaculture Commission of Regione Liguria.

Since 2020: Delegate of DiSTAV to the Technical Scientific Committee of the Center of the Sea of the University of Genova

Since 2020: Referent of the bachelor and master degrees in Natural and Environmental Sciences at the Faculty Students Orienteering Commission.

Since 2021: Component of the Research Commission of the University of Genoa.

Since 2021: Component of the Internationalization Commission of the University of Genoa.

Scientific production

Mariachiara Chiantore is author of over 100 papers on ISI journals:

Indices (updated August 2021):

Total Citations, including self-citations: 3408 (Scopus)

Hirsch Index (H index): 35 (Scopus)

Google Scholar link: <https://scholar.google.it/citations?user=O1mRXCcAAAAJ&hl=it>

Publication List (International Journals, ISI, Dr. Mariachiara CHIANTORE

- A1) 1997- Cattaneo-Vietti R., **M. Chiantore**, G. Albertelli. The population structure and ecology of the Antarctic Scallop, *Adamussium colbecki* in Terra Nova Bay (Ross Sea, Antarctica). *Scientia Marina*, 61 (Suppl. 2): 15-24.
- A2) 1997- Fabiano M., **M. Chiantore**, P. Povero, R. Cattaneo-Vietti, A. Pusceddu, C. Misic, G. Albertelli. Short-term variations in particulate matter flux in Terra Nova Bay, Ross Sea. *Antarctic Science*, 9 (2): 143-149.
- A3) 1997- Frascchetti S., A. Covazzi, **M. Chiantore**, G. Albertelli. Life history traits of the bivalve *Spisula subtruncata* (da Costa) in the Ligurian Sea (northwestern Mediterranean): the contribution of the temporary meiofauna. *Scientia Marina*, 61 (Suppl. 2): 25-32.
- A4) 1998- Albertelli G., R. Cattaneo-Vietti, **M. Chiantore**, A. Pusceddu, M. Fabiano. Food availability to an *Adamussium* bed during the austral Summer 1993/94 (Terra Nova Bay, Ross Sea). *Journal of Marine Systems*, 17: 425-434.
- A5) 1998- Ansell A.D., R. Cattaneo-Vietti, **M. Chiantore**. Swimming in the Antarctic scallop *Adamussium colbecki*: analysis of *in situ* video recordings. *Antarctic Science*, 10 (4): 369-375.
- A6) 1998- **Chiantore M.**, R. Cattaneo-Vietti, G. Albertelli, M. Misic, M. Fabiano. Role of filtering and biodeposition by *Adamussium colbecki* in circulation of organic matter in Terra Nova Bay (Ross Sea, Antarctica). *Journal of Marine Systems*, 17: 411-424.
- A7) 1999- Albertelli G., **M. Chiantore**, A. Covazzi Harriague, R. Danovaro, N. Della Croce. Community experiments using benthic chambers: 2. Meio- and macrofaunal community structure and metabolism. *Chemistry and Ecology*, 16: 51-66.

- A8) 1999- Cattaneo-Vietti R., **M. Chiantore**, C. Misic, P. Povero, M. Fabiano. The role of pelagic-benthic coupling in structuring littoral benthic communities at Terra Nova Bay (Ross Sea) and inside the Strait of Magellan. *Scientia Marina*, 63 (Supl. 1): 113-121.
- A9) 2000- Cattaneo-Vietti R., **M. Chiantore**, S. Schiaparelli, G. Albertelli. Shallow and deep-water mollusc distribution at Terra Nova Bay (Ross Sea, Antarctica). *Polar Biology*, 23: 173-182.
- A10) 2000- Cerrano C., S. Puce, **M. Chiantore**, G. Bavestrello. Unusual trophic strategies of *Hydractinia angusta* (Cnidaria, Hydrozoa) from Terra Nova Bay, Antarctica. *Polar Biology*, 23 (7): 488-494
- A11) 2000- Nonnis Marzano F., F. Fiori, G. Jia, **M. Chiantore**. Anthropogenic radionuclides bioaccumulation in Antarctic marine fauna and its ecological relevance. *Polar Biology*, 23: 753-758.
- A12) 2000- Regoli F., M. Nigro, **M. Chiantore**, S. Gorbi, G. Winston. Total oxyradical scavenging capacity of Antarctic, Arctic, and Mediterranean scallops. *The Italian Journal of Zoology*, supplement 1: 85-94.
- A13) 2000- Schiaparelli S., R. Cattaneo-Vietti, **M. Chiantore**. Adaptive morphology of *Capulus subcompressus* Pelseneer, 1903 (Gastropoda: Capulidae) from Terra Nova Bay, Ross Sea (Antarctica). *Polar Biology*, 23: 11-16.
- A14) 2000- Vacchi M., R. Cattaneo-Vietti, **M. Chiantore**, M. Dalù. Predator-prey relationship between nototheniid fish *Trematomus bernacchii* and Antarctic scallop *Adamussium colbecki* at Terra Nova Bay (Ross Sea). *Antarctic Science*, 12 (1): 64-68.
- A15) 2001. **Chiantore M.**, R. Cattaneo-Vietti, P.A. Berkman, M. Nigro, M. Vacchi, S. Schiaparelli, G. Albertelli. Antarctic scallop (*Adamussium colbecki*) spatial population variability along the Victoria Land Coast, Antarctica. *Polar Biology*, 24: 139-143.
- A16) 2001. Cerrano C., G. Bavestrello, B. Calcinaï, R. Cattaneo-Vietti, **M. Chiantore**, M. Guidetti, A. Sarà. Bioerosive processes in Antarctic seas. *Polar Biology*, 24: 790-792.
- A17) 2001. Cerrano C., S. Puce, **M. Chiantore**, G. Bavestrello, R. Cattaneo-Vietti. The influence of the epizoic hydroid *Hydractinia angusta* on the recruitment of the Antarctic scallop *Adamussium colbecki*. *Polar Biology*, 24: 577-581.
- A18) 2001- Povero P., **M. Chiantore**, C. Misic, G. Budillon, R. Cattaneo-Vietti. Land forcing controls pelagic-benthic coupling in Adelie Cove (Terra Nova Bay, Ross Sea). *Polar Biology*, 24: 875-882.
- A19) 2002- Cattaneo-Vietti R., G. Albertelli, G. Bavestrello, C.N. Bianchi, C. Cerrano, **M. Chiantore**, L. Gaggero, C. Morri, S. Schiaparelli. Can rock composition affect sublittoral epibenthic communities? *P.S.Z.N.: Marine Ecology*, 23, Supplement 1: 65-77.
- A20) 2002- **Chiantore M.**, R. Cattaneo-Vietti, L. Elia, M. Guidetti, M. Antonini. Reproduction and condition of the scallop *Adamussium colbecki* (Smith 1902), the sea-urchin *Sterechinus neumayeri* (Meissner, 1900) and the sea-star *Odontaster validus* Koehler, 1911 at Terra Nova Bay (Ross Sea): different strategies related to inter-annual variations in food availability. *Polar Biology*, 25: 251-255.
- A21) 2002- Regoli F., M. Nigro, **M. Chiantore**, G.W. Winston. Seasonal variations of susceptibility to oxidative stress in *Adamussium colbecki*, a key bioindicator species for the Antarctic marine environment. *The Science of the Total Environment*, 289: 205-211.
- A22) 2003- **Chiantore M.**, R. Cattaneo-Vietti, O. Heilmayer. Antarctic scallop (*Adamussium colbecki*) annual growth rate at Terra Nova Bay. *Polar Biology*, 26: 416-419.
- A23) 2003- Heilmayer O., T. Brey, **M. Chiantore**, R. Cattaneo-Vietti, W.E. Arntz. Age and productivity of the Antarctic scallop, *Adamussium colbecki*, in Terra Nova Bay (Ross Sea, Antarctica). *Journal of Experimental Marine Biology and Ecology*, 288 (2): 239-256.
- A24) 2003- Dalla Riva S., M.L. Abemoschi, **M. Chiantore**, M. Grotti, E. Magi, F. Soggia. Biogeochemical cycling of Pb in the coastal marine environment at Terra Nova Bay, Ross Sea. *Antarctic Science*, 15 (4): 425-432.
- A25) 2004 – Berkman P.A., R. Cattaneo-Vietti, **M. Chiantore**, C. Howard-Williams. Polar emergence and the influence and the influence of increased sea-ice extent on the Cenozoic biogeography of pectinid molluscs in Antarctic coastal areas. *Deep-Sea Res. II*, 51: 1839-1855.
- A26) 2004- Corsi I., S. Bonacci, G. Santovito, **M. Chiantore**, L. Castagnolo, S. Focardi. Cholinesterase activities in the Antarctic scallop *Adamussium colbecki*: tissue expression and effect of ZnCl₂ exposure. *Marine Environmental Research*, 58: 401-406.
- A27) 2004- Corsi I., S. Bonacci, G. Santovito, **M. Chiantore**, L. Castagnolo, S. Focardi Preliminary investigation on cholinesterase activity in *Adamussium colbecki* from Terra Nova Bay: field and laboratory study. *Chemistry and Ecology*, 20 Suppl 1: 79-87.

- A28) 2004- Faimali M., F. Garaventa, A. Terlizzi, **M. Chiantore**, R. Cattaneo-Vietti. The interplay of substrate nature and biofilm formation in regulating *Balanus amphitrite* Darwin, 1854 settlement. *Journal of Experimental Marine Biology and Ecology*, 306: 37-50.
- A29) 2004- Guidetti P., C.N. Bianchi, **M. Chiantore**, S. Schiaparelli, C. Morri, R. Cattaneo-Vietti. Living on the rocks: substrate mineralogy and the structure of subtidal rocky substrate communities in the Mediterranean Sea. *Marine Ecology Progress Series*, 274: 57-68.
- A30) 2004- Regoli F., C. Cerrano, E. Chierici, **M. Chiantore**, G. Bavestrello. Seasonal variability of prooxidant pressure and antioxidant adaptation to symbiosis in the Mediterranean demosponge *Petrosia ficiformis*. *Marine Ecology Progress Series*, 275: 129-137.
- A31) 2005- Berkman P.A., R. Cattaneo-Vietti, **M. Chiantore**, C. Howard-Williams, V. Cummings, R. Kvitek. Marine research in the Latitudinal Gradient Project along Victoria Land, Antarctica. *Scientia Marina*, 69 (Suppl. 2): 57-63
- A32) 2005- Heilmayer O., C. Honnen, U. Jacob, **M. Chiantore**, R. Cattaneo-Vietti, T. Brey. Temperature effects on summer growth rates in the Antarctic scallop, *Adamussium colbecki*. *Polar Biology*, 28: 523-527. DOI: 10.1007/s00300-005-0716-7
- A33) 2006- **Chiantore M.**, M. Guidetti, M. Cavallero, F. De Domenico, G. Albertelli, R. Cattaneo-Vietti. Sea urchins, sea stars and brittle stars from Terra Nova Bay (Ross Sea, Antarctica). *Polar Biology*, 29: 467-475
- A34) 2006- Thrush S., P. Dayton, R. Cattaneo-Vietti, **M. Chiantore**, V. Cummings, N. Andrew, I. Hawes, S. Kim, R. Kvitek, A. Maree Schwarz. Broad scale factors influencing the biodiversity of coastal benthic communities of the Ross Sea. *Deep-Sea Research Part II*, 52: 959-971.
- A35) 2006- Gianguzza P., **M. Chiantore**, C. Bonaviri, R. Cattaneo-Vietti, I. Vielmini, S. Riggio. The effects of recreational *Paracentrotus lividus* fishing on distribution patterns of sea urchins at Ustica Island MPA (Western Mediterranean, Italy). *Fisheries Research*, 81: 37-44.
- A36) 2006- De Domenico F., **M. Chiantore**, S. Buongiovanni, M. P. Ferranti, S. Ghione, S. Thrush, V. Cummings, J. Hewitt, K. Kroeger, R. Cattaneo-Vietti. Latitude versus local effects on echinoderm communities along the Victoria-Land (Ross Sea, Antarctica). *Antarctic Science*, 18(4): 655-662.
- A37) 2006- Guidetti M., S. Marcato, **M. Chiantore**, T. Patarnello, G. Albertelli, R. Cattaneo-Vietti. Exchange between populations of *Adamussium colbecki* (Mollusca: Bivalvia) in the Ross Sea. *Antarctic Science*, 18(4): 645-653.
- A38) 2006- Povero P., M. Castellano, N. Ruggieri, L. Monticelli, V. Saggiomo, **M. Chiantore**, M. Guidetti, R. Cattaneo-Vietti. Water column features and their relationship with sediments and benthic communities along Victoria Land Coast (Ross Sea, summer 2004). *Antarctic Science*, 18(4): 603-613.
- A39) 2007- Mangialajo L., N. Ruggieri, V. Asnaghi, **M. Chiantore**, P. Povero, R. Cattaneo-Vietti. Ecological status in the Ligurian Sea: the effect of coastline urbanisation and the importance of proper reference sites. *Marine Pollution Bulletin*, 55: 30-41.
- A40) 2007- Schiaparelli S., C. Ghirardo, J. Bohn, **M. Chiantore**, G. Albertelli, R. Cattaneo-Vietti. Antarctic associations: the parasitic relationship between the gastropod *Bathycrinicola tumidula* (Thiele, 1912) (Ptenoglossa: Eulimidae) and the comatulid *Notocrinus virilis* Mortensen, 1917 (Crinoidea: Notocrinidae) in the Ross Sea. *Polar Biology*, 30: 1545-1555
- A41) 2008- Mangialajo L., **M. Chiantore**, R. Cattaneo-Vietti. Loss of furoid algae along a gradient of urbanisation and relationships with the structure of benthic assemblages *Marine Ecology Progress Series*, 358: 63-74
- A42) 2008- Mangialajo L., R. Bertolotto, R. Cattaneo-Vietti, **M. Chiantore**, C. Grillo, R. Lemee, N. Melchiorre, P. Moretto, P. Povero, N. Ruggieri. The toxic benthic dinoflagellate *Ostreopsis ovata*: Quantification of proliferation along Genoa coastline (Italy, NW Mediterranean Sea) in summer 2006. *Marine Pollution Bulletin*, 56: 1209-1214.
- A43) 2008- **M. Chiantore**, I. Vielmini, D. Privitera, L. Mangialajo, R. Cattaneo-Vietti. Habitat effects on the population structure of *Paracentrotus lividus* and *Arbacia lixula*. *Chemistry and Ecology*, 24 (S1): 145-157.
- A44) 2008- Montefalcone M., **M. Chiantore**, A. Lanzone, C. Morri, G. Albertelli, C.N. Bianchi. BACI design reveals the decline of the seagrass *Posidonia oceanica* induced by anchoring. *Marine Pollution Bulletin*, 56: 1637-1645.

- A45) 2008- Privitera D., **M. Chiantore**, L. Mangialajo, N. Glavic, W. Kozul, R. Cattaneo-Vietti. Inter- and intra-specific competition between *Paracentrotus lividus* and *Arbacia lixula* in resource-limited barren areas. *Journal of Sea Research*, 60: 184-192.
- A46) 2009- Thrush S.F., J.E. Hewitt, P.K. Dayton, G. Coco, A. M. Lohrer, A. Norkko. J. Norkko, **M. Chiantore**. Forecasting the limits of resilience: integrating empirical research with theory. *Proc. R. Soc. B*, 276: 3209–3217.
- A47) 2009- Asnagli V., **M. Chiantore**, R. Bertolotto, V. Parravicini, R. Cattaneo-Vietti, F. Gaino, P. Moretto, D. Privitera, L. Mangialajo. Implementation of the European Water Framework Directive: natural variability associated to the CARLIT method on the rocky shores of the Ligurian Sea (Italy). *Marine Ecology an Evolutionary Perspective*, 30: 505-513.
- A48) 2010- Aluigi M.G., C. Falugi, M.G. Mugno, D. Privitera, **M. Chiantore**. Dose-dependent effects of chlorpyrifos, an organophosphate pesticide, on metamorphosis of the sea urchin, *Paracentrotus lividus*. *Ecotoxicology*, 19: 520-529.
- A49) 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. Diviacco, 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. The Ligurian sea: present status, problems and perspectives. *Chemistry and Ecology*, 26(1), Supplement 1: 319 – 340.
- A50) 2010- Thrush S., J.E. Hewitt, V.J. Cummings, A. Norkko, **M. Chiantore**. β -diversity and species accumulation in Antarctic coastal benthic communities: the importance of habitat variability, spatial extent and productivity on ecological connectivity. *Plos ONE*, 5(7), e1 1899, doi:10.1371/journal.pone.0011899
- A51) 2010- Parravicini V., S.F. Thrush, **M. Chiantore**, C. Morri, C. Croci, C.N. Bianchi. The legacy of past disturbance: Chronic angling impairs long-term recovery of marine epibenthic communities from acute date-mussel harvesting. *Biological Conservation*, 143: 2435–2440. doi:10.1016/j.biocon.2010.06.006
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