

FABIO BULLERI - CURRICULUM VITAE

Nome e Cognome Fabio Bulleri
Data e Luogo di nascita: 18 Maggio 1970, Livorno
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Qualificazioni accademiche

1996 Laurea in Scienze Biologiche (109/110), Università di Pisa. Argomento di tesi: Analisi sperimentali degli effetti del pascolo dei ricci su popolamenti algali ed animali dell'infralitorale. Relatori: Prof. F. Cinelli, Dott. L. Benedetti-Cecchi.

2003 PhD, Centre for Research on Ecological Impacts of Coastal Cities, University of Sydney, Australia. Argomento di tesi: The effects of artificial structures on intertidal assemblages. Supervisor: Dott. MG Chapman, Prof. AJ Underwood.

Impieghi

1996-97 Tirocinante, Laboratorio Phytobenthos, Università di Pisa.

1996 Contratto di ricerca presso il Dipartimento di Scienze dell'Ambiente e del Territorio dell'Università di Pisa per il monitoraggio di *Caulerpa taxifolia* lungo le coste dell'Isola d'Elba.

1998 Contratto di ricerca presso l'Istituto di Biologia ed Ecologia Marina di Piombino (LI).

1999 Contratto di ricerca presso il Centro Interuniversitario di Biologia Marina (C.I.B.M) di Livorno per studi sulla riserva marina dell'Isola di Capraia (Arcipelago Toscano)

2000-2003 PhD student presso il Centre for Research on Ecological Impacts of Coastal Cities, University of Sydney, Australia, supportato da una borsa IPA/IPRS conferita dalla University of Sydney, Australia.

2/2003 - 9/2004	Assegnista di ricerca presso il Centro Interdipartimentale per la Ricerca nelle Scienze Ambientali in Ravenna (Università di Bologna) sui progetti DELOS (EVK-2000-22038) e COFIN 2002 (ex 40%)
12/2004 - 12/2007	Assegnista di ricerca presso il Dipartimento di Scienze dell'Uomo e dell'Ambiente, Università di Pisa
12/2007-02/2010	Borsista presso il Dipartimento di Biologia dell'Università di Pisa
06/2010-12/2011	Assegnista di ricerca presso il Dipartimento di Scienze Botaniche, Ecologiche e Geologiche dell'Università di Sassari
12/2011-04/2015	Ricercatore presso il Dipartimento di Biologia, Università di Pisa
05/2015- presente	Professore Associato presso il Dipartimento di Biologia, Università di Pisa

Corsi di perfezionamento

1997	MAST Advanced Study Course “Experimental and modelling approaches to investigate the surf and swash zone of rocky shores” Port Erin Marine Laboratory, Isle of Man, UK, 28/7 - 15/8.
1999	Advanced course “Design and analysis of biological experiments” course on the design of biological experiments and test of hypothesis using analysis of variance. Department of Biology, Università di Lecce, 24/5 - 4/6.

Altre qualificazioni ed esperienze acquisite

1989	Open water Diver
1996	Guida naturalistica a Ranveli (Ari Atholl, Maldives)
1997	Guida naturalistica a Boduhithi (Male North Atholl, Maldives)
1997	Dive master SCUBA Diver (PADI)
1998	Guida naturalistica a Mahè (Seychelles)
1999-presente	Referee per oltre 30 riviste scientifiche di biologia marina ed ecologia
2000	Teaching assistant per il corso Core and Marine Ecology, presso la University of Sydney (50 ore)
2000-2003	Part-time research assistant presso il Centre for Research on Ecological Impacts of Coastal Cities, University of Sydney, Australia
2007	Revisore di un progetto di ricerca per la NSF (National Science Foundation)
2007	Inserito nella shortlist dei candidati al 4th EURYI (European Young Investigator Awards), schema della European Science Foundation.

Attività editoriale e riconoscimenti scientifici

2008-presente	Associate Editor per la rivista scientifica Marine Biology
2009-presente	Membro della Faculty of 1000 Biology (F1000) per la sezione Global Change Ecology
2011-presente	Membro dell'Advisory Board della rivista scientifica open access F1000Research
2017	Visiting Research Fellowship from the Faculty of Science of the University of New South Wales, Australia.

Partecipazione a progetti di ricerca

ARTIFICIAL MARINE STRUCTURES (AMS): A multifunctional tool for research and environmental management in the Mediterranean and Red Sea MED-RED (Phase II)". Israeli-Italian Cooperation 01/01/2004-01/01/2006

FP4-MAST 3 - Interactions of physical and biological factors in the surf and swash zone of European rocky shores. Partecipante al progetto.

FP5-2001-Energy, Environment and Sustainable Development - DELOS - Environmental Design of Low Crested Coastal Defence Structures. Partecipante al progetto.

FP6-2002-GLOBAL-1 - MArBEF - Marine Biodiversity and Ecosystem Functioning. Partecipante al progetto.

FP6-2005-POLICIES - EMPAFISH - Marine Protected Areas as tools for Fisheries management and conservation. Partecipante al progetto.

PRIN 2007: Esperimenti su costa rocciosa: Effetti interattivi di eventi di disturbo a scale multiple. Partecipante al progetto.

FP7-OCEAN-2010-VECTORS - Vectors of Change in Oceans and Seas Marine Life, Impact on Economic Sectors. Partecipante al progetto.

PRIN2010-2011 - TETRIS - Osservazioni, analisi sperimentali e modellizzazioni per la gestione di impatti multipli nei sistemi costieri. Responsabile Unità Ricerca UniPi.

CoCoNet - Towards Coast to Coast NETworks of marine protected areas (FP7-EU). Partecipante all'interno di CoNISMa; leader del Subtask 4.2.3. 'Land-Ocean fluxes, riverine inputs, and their impacts'.

FIRB 2011 - Relazioni nascoste tra biodiversità e funzionamento dei sistemi rocciosi Mediterranei (HI-BEF). Responsabile scientifico del progetto.

MIT-UNIPI projects. From Micro to Macro: The Role of Microbial Biofilms in Regulating the Fitness and Competitive Ability of Subtidal Habitat-Forming Macroalgae. Principal investigator.

EuroMarine Foresight Workshop (FWS). The role of positive species interactions in sustaining and restoring the biodiversity of temperate coasts under future climate scenarios – POSTCLIMA.

Progetto FIRB (Futuro in ricerca-MIUR) 2013/2016 “Relazioni nascoste tra biodiversità e funzionamento dei sistemi rocciosi mediterranei - Unveiling hidden relationships between biodiversity and ecosystem functioning in Mediterranean rocky reefs (HI-BEF project)”.

Spatial structure determines functional structure and diversity in urbanized coastal ecosystems: the role of habitat heterogeneity in providing resilience. Comisión Nacional de Ciencia y Tecnología de Chile (CONICYT), FONDECYT GRANT (#1160223). International Collaborator Researcher

Progetti in corso

Convenzione con il Comune di Portoferraio (LI) per il miglioramento della qualità delle acque mediante biofiltrazione

H2020 – FutureMARES – Climate Change and Future Marine Ecosystem Services and Biodiversity. G.A. 869300. Responsabile scientifico per UniPi.

Pubblicazioni su riviste nazionali

Bedini R., Canali M.G., **Bulleri F.**, Bedini A., Fantini R., Magnarini L., Franca A., Colantoni P. 2000. Mappatura del limite superiore di alcune praterie di *Posidonia oceanica* lungo la costa toscana. *Biologia Marina Mediterranea* 7: 499-508.

Gambaccini S., Biagi F., **Bulleri F.**, De Ranieri S. 2001. Localizzazione dei siti di insediamento postlarvale di 4 specie di spardi: *Diplodus puntazzo*, *D. vulgaris*, *D. sargus* e *Oblada melanura* lungo il profilo costiero dell'Isola di Capraia. *Biologia Marina Mediterranea* 8: 691-694.

Bulleri, F. 2008. La valutazione di impatti ecologici in ambiente costiero: criteri per la scelta dei siti di riferimento. *Biologia Marina Mediterranea* 15: 89-92.

Pinna S., **Bulleri F.**, Mura F., Sechi N., Ceccherelli G. 2012. Indagini sui fattori responsabili dell'invasione di *Caulerpa racemosa*. *Biologia Marina Mediterranea* 18: 280-281.

Pubblicazioni su riviste internazionali peer-review

Benedetti-Cecchi L., **Bulleri F.**, Cinelli F. 1998. Density dependent foraging in two species of sea urchins in shallow subtidal reefs on the west coast of Italy (Western Mediterranean). *Marine Ecology Progress Series* 163: 203-211.

Bulleri F., Benedetti-Cecchi L., Cinelli F. 1999. Grazing by the sea urchins *Arbacia lixula* L. and *Paracentrotus lividus* Lam. in the Northwest Mediterranean. *Journal of Experimental Marine Biology and Ecology* 241: 81-95.

Benedetti-Cecchi L., **Bulleri F.**, Cinelli F. 2000. The interplay of physical and biological factors in maintaining mid-shore and low-shore assemblages on rocky coasts in the north-west Mediterranean. *Oecologia* 123: 406-417.

Benedetti-Cecchi L., Acunto S., **Bulleri F.**, Cinelli F. 2000. Population ecology of the barnacle, *Chthamalus stellatus* (Poli), in the north-west Mediterranean. *Marine Ecology Progress Series* 198: 157-170.

Bulleri F., Menconi M., Cinelli F., Benedetti-Cecchi L. 2000. Grazing by two species of limpets on artificial reefs in north-west Mediterranean. *Journal of Experimental Marine Biology and Ecology* 255: 1-19.

Benedetti-Cecchi L., **Bulleri F.**, Acunto S., Cinelli F. 2001. Scales of variation in the effects of limpets on rocky shores in the northwest Mediterranean. *Marine Ecology Progress Series* 209: 131-141.

Benedetti-Cecchi L., Pannacciulli F., **Bulleri F.**, Moschella P. S., Airoidi L., Relini G., Cinelli F. 2001. Predicting the consequences of anthropogenic disturbance: large-scale effects of loss of canopy algae on rocky shores. *Marine Ecology Progress Series* 214: 137-150.

Benedetti-Cecchi L., Rindi F., Bertocci I., **Bulleri F.**, Cinelli F. 2001. Spatial variation in development of epibenthic assemblages in a coastal lagoon. *Estuarine, Coastal and Shelf Science* 52: 659-668.

Bulleri F., Benedetti-Cecchi L., Acunto S., Cinelli F., Hawkins S. J. 2002. The influence of canopy algae on vertical patterns of distribution of low-shore assemblages on rocky coasts in the north-west Mediterranean. *Journal of Experimental Marine Biology and Ecology* 267: 89-106.

Bulleri F., Bertocci I., Micheli F. 2002. The interplay of coralline algae and sea urchins in maintaining alternative habitats. *Marine Ecology Progress Series* 243: 101-109.

Chapman M.G. and **Bulleri F.** 2003. Intertidal seawalls – new features of landscape in intertidal environments. *Landscape and Urban Planning* 62: 159-172.

Bulleri F. and Chapman M.G. 2004. Intertidal assemblages on artificial and natural structures in marinas on the west coast of Italy. *Marine Biology* 145: 381-391

Bulleri F., Chapman M.G., Underwood A.J. 2004. Patterns of movement of the limpet *Cellana tramoserica* on rocky shores and retaining seawalls. *Marine Ecology Progress Series* 281: 121-129.

Bulleri F. 2005. The role of recruitment in causing differences in intertidal assemblages between seawalls and rocky shores. *Marine Ecology Progress Series* 287: 53-65.

Bulleri F. 2005. Experimental evaluation of early patterns of colonisation of space on rocky shores and seawalls. *Marine Environmental Research* 60: 355-374.

Airoidi L., Bacchiocchi F., Cagliola C., **Bulleri F.**, Abbiati M. 2005. Impact of recreational harvesting on assemblages in artificial rocky habitats. *Marine Ecology Progress Series* 299: 55-65.

Bulleri F., Chapman M.G., Underwood A.J. 2005. Differences between intertidal assemblages on rocky shores and seawalls in Sydney Harbour (NSW, Australia) and their generality in space and time. *Austral Ecology* 30: 355-367.

Bulleri F. 2005. The introduction of artificial structures in soft- and hard-bottoms: the ecological value of epibiota. *Environmental Conservation* 32: 101-102.

Bulleri F., and Airoidi L. 2005. Artificial structures as habitats for non-indigenous species: the case of the green alga, *Codium fragile* ssp. *tomentosoides*, in the north Adriatic Sea (North-eastern Mediterranean). *Journal of Applied Ecology* 42: 1063-1072.

Moschella P.S., Abbiati M., Åberg P., Airoidi L., Anderson, J.M., Bacchiocchi F., **Bulleri F.**, Dinesen G.E., Frost M., Gaçia E., Granhag L., Jonsson P.R., Satta M.P., Sundelöf A., Thompson R.C., Hawkins S.J. 2005.

Low crested coastal defence structures as artificial habitats for marine life: what grows where and why? *Coastal engineering* 52: 1053-1071.

Bulleri F., Abbiati M., Airoidi L. 2006. The colonisation of human-made structures by the invasive alga *Codium fragile* ssp. *tomentosoides* in the north Adriatic Sea (NE Mediterranean). *Hydrobiologia* 555: 263-269.

Bulleri F., Airoidi L., Branca G.M., Abbiati M. 2006. Positive effects of the introduced green alga, *Codium fragile* ssp. *tomentosoides*, on recruitment and survival of mussels. *Marine Biology* 148: 1213-1220.

Bulleri F., Benedetti-Cecchi L. 2006. Mechanisms of recovery of different components of mosaics of habitats on shallow rocky reefs. *Oecologia* 149: 482-492.

Bulleri F. 2006. Duration of overgrowth affects survival of encrusting coralline algae. *Marine Ecology Progress Series* 321:79-85.

Bulleri F. 2006. Is it time for urban ecology to include the marine realm? 2006. *Trends in Ecology and Evolution* 21:658-659.

Bulleri F., Branca M.G., Airoidi L., Abbiati M. 2007. Development of reproductive structures in the introduced green alga, *Codium fragile* ssp. *tomentosoides*, in the northern Adriatic Sea. *European Journal of Phycology* 42: 137-144.

Bulleri F., Underwood A.J., Benedetti-Cecchi L. 2007. The interpretation of ecological impacts in human-dominated environments. *Environmental Conservation* 34: 181-182.

Claudet J., Osenberg C.W., Benedetti-Cecchi L., Domenici P., García-Charton J.-A., Pérez-Ruzafa Á., Badalamenti F., Bayle-Sempere J., Brito A., **Bulleri F.**, Culioli J.M., Dimech M., Falcón J.M., Guala I., Milazzo M., Sánchez-Meca J., Somerfield P.J., Stobart B., Vandeperre F., Valle C., Planes S. 2008. Marine reserves: size and age matter. *Ecology Letters* 11: 481-489.

Bulleri F., Underwood A.J., Benedetti-Cecchi L. 2008. The analysis of ecological impacts in human-dominated environments: reply to Stewart-Oaten (2008). *Environmental Conservation* 35: 1-13.

Bulleri F., Bruno J.F., Benedetti-Cecchi L. 2008. Beyond competition: Incorporating positive interactions between species to predict ecosystem invasibility. *PLoS Biology* 6(6): e162.

Bulleri F., Benedetti-Cecchi L. 2008. Facilitation of the introduced green alga, *Caulerpa racemosa*, by resident algal turfs: experimental evaluation of underlying mechanisms. *Marine Ecology Progress Series* 364: 77-86.

Benedetti-Cecchi L., Bertocci I., Vaselli S., Maggi E., **Bulleri F.** 2008. Neutrality and the response of rare species to environmental variance. *PLoS-ONE* 3(7): e2777.

Vaselli S., **Bulleri F.**, Benedetti-Cecchi L. 2008. Hard coastal-defence structures as habitats for native and exotic rocky-bottom dwelling species. *Marine Environmental Research* 66: 395-403.

Bulleri F., Tamburello L., Benedetti-Cecchi L. 2009. Loss of consumers alters the effects of resident assemblages on the local spread of an introduced macroalga. *Oikos* 118: 269-279.

Bulleri F. 2009. Facilitation research in marine environments: state of the art, emerging patterns and insights for future developments. *Journal of Ecology* 97: 1121-1130.

Bulleri F., Chapman M.G. 2010. The introduction of coastal infrastructure as a driver of change in marine environments. *Journal of Applied Ecology* 47: 26-35. Recensito in Science for Environment Policy (SEP),

un servizio per policy-makers pubblicato dal Directorate-General Environment, European Commission

Balata D., Piazzoli L., Nesti U., **Bulleri F.**, Bertocci I. 2010. Effects of enhanced loads of nutrients on epiphytes on leaves and rhizomes of *Posidonia oceanica*. *Journal of Sea Research* 63:173-179.

Bulleri F., Balata D., Bertocci I., Tamburello L., Benedetti-Cecchi L. 2010. The seaweed *Caulerpa racemosa* on Mediterranean rocky reefs: from passenger to driver of ecological change. *Ecology* 91: 2205-2212.

Bulleri F., Cristaudo C., Alestra T., Benedetti-Cecchi L. 2011. Crossing gradients of consumer pressure and physical stress on shallow rocky reefs: a test of the stress-gradient hypothesis. *Journal of Ecology* 99: 335-344.

Bulleri F., Alestra T., Ceccherelli G., Tamburello L., Pinna S., Sechi N., Benedetti-Cecchi L. 2011. Determinants of *Caulerpa racemosa* distribution in the north-western Mediterranean. *Marine Ecology Progress Series* 431: 55-67.

Airoldi L., **Bulleri F.** 2011. Anthropogenic disturbance can determine the magnitude of opportunistic species responses on marine urban infrastructures. *PLoS ONE* 6(8): e22985.

Benedetti-Cecchi L., Tamburello L., **Bulleri F.**, Maggi E., Gennusa V., Miller M. 2012. Linking patterns and processes across scales: the application of scale transition theory to algal dynamics on rocky shores. *Journal of Experimental Biology* 215: 977-985.

Bulleri F., Russell B.D., Connell S.D. 2012. Context-dependency in the effects of nutrient loading and consumers on the availability of space in marine rocky environments. *PLoS ONE* 7(3): e33825.

Tamburello L., Benedetti-Cecchi L., Ghedini G., Alestra T., **Bulleri F.** 2012. Variation in the structure of subtidal landscapes in the NW Mediterranean Sea. *Marine Ecology Progress Series* 457:29-41.

Lyons D.A., Mant R.C., **Bulleri F.**, Kotta J., Rilov G., Crowe T.P. 2012. What are the effects of macroalgal blooms on the structure and functioning of marine ecosystems? A systematic review protocol. *Environmental Evidence* 1: 7.

Bulleri F., Mant R.C., Benedetti-Cecchi L., Chatzinikolaou E., Crowe T.P., Kotta J., Lyons D.A., Rilov G., Maggi, E., 2012. The effects of exotic seaweeds on native benthic assemblages: variability between trophic levels and influence of back-ground environmental and biological conditions. *Environmental Evidence* 1: 8.

Rilov G., Mant R.C., Lyons D.A., **Bulleri F.**, Benedetti-Cecchi L., Kotta J., Queiros A.M., Chatzinikolaou E., Crowe T.P. Guy-Haim, T., 2012. How strong is the effect of invasive ecosystem engineers on the distribution patterns of local species, the local and regional biodiversity and ecosystem functions? *Environmental Evidence* 1: 10.

Maggi E., **Bulleri F.**, Bertocci I., Benedetti-Cecchi L. 2012. Competitive ability of macroalgal canopies overwhelms the effects of variable regimes of disturbance *Marine Ecology Progress Series in press* 465: 99-109.

Bulleri F., Benedetti-Cecchi L., Cusson M., Maggi E., Arenas F., Aspden R., Bertocci I., Crowe T.P., Davoult D., Eriksson B.K., Fraschetti S., Goll ty C., Griffin J.N., Jenkins S.R., Kotta J., Kraufvelin P., Molis M., Sousa Pinto I., Terlizzi A., Valdivia N., Paterson D.M. 2012. Temporal stability of European rocky shore assemblages: variation across a latitudinal gradient and the role of habitat-formers. *Oikos* 121: 1801-1809.

Tamburello L., Benedetti-Cecchi L., Masini L., **Bulleri F.** 2013. Habitat heterogeneity promotes the coexistence of exotic seaweeds. *Oecologia* 172:505-513.

- Tamburello L., **Bulleri F.**, Bertocci I., Maggi L., Benedetti-Cecchi L. 2013. Reddened seascapes: experimentally induced shifts in 1/f spectra of spatial variability in rocky intertidal assemblages. *Ecology* 94:1102-1111.
- Jacinto D., **Bulleri F.**, Benedetti-Cecchi L., T. Cruz. 2013. Patterns of abundance, population size structure and microhabitat usage of *Paracentrotus lividus* (Echinodermata: Echinoidea) in SW Portugal and NW Italy. *Marine Biology* 160:1135-1146.
- Crowe T.P., Cusson M., **Bulleri F.**, Davoult D., Arenas F., Aspden R., Benedetti-Cecchi L., Bevilacqua S., Davidson I., Defew E., Frascchetti S., Golléty C., Griffin J.N., Herkül K., Kotta J., Migné A., Molis M., Nicol S.K., Noël L.M.-L.J., Sousa Pinto I., Valdivia N., Vaselli S., Jenkins S.R. Large-scale variation in combined impacts of canopy loss and disturbance on community structure and ecosystem functioning. 2013. *PLoS ONE* 8(6): e66238.
- Bulleri F.** 2013. Grazing by sea urchins at the margins of barren patches on Mediterranean rocky reefs. *Marine Biology* 160:2493-2501.
- Bulleri F.**, Couradoun-Réale M, Lison de Loma T., Claudet J. 2013. Variability in the effects of macroalgae on the survival and growth of corals: the consumer connection. *PLoS ONE* 8(11): e79712.
- Bulleri F.**, Xiao S., Maggi E., Benedetti-Cecchi L. 2014. Intensity and temporal variability as components of stress gradients: implications for the balance between competition and facilitation. *Oikos* 123: 47-55.
- Tamburello L., **Bulleri F.**, Balata D., Benedetti-Cecchi L. 2014. The role of overgrazing and anthropogenic disturbance in shaping spatial patterns of distribution of an invasive seaweed. *Journal of Applied Ecology* 51: 406-414.
- Bulleri F.**, Benedetti-Cecchi L. 2014. Chasing fish and catching data: recreational spearfishing videos as a tool for assessing the structure of fish assemblages on shallow rocky reefs. *Marine Ecology Progress Series* 506: 255-265.
- Di Franco F., **Bulleri F.**, Pennetta A., De Benedetto G., Clarke K.R., Guidetti P. 2014. Within-otolith variability in chemical fingerprints: implications for sampling designs and possible environmental interpretation. *PLOS ONE* 9(7): e101701.
- Connolly S.R., MacNeil M.A., Caley M.J., Knowlton N., Cripps E., Hisano M., Thibaut L.M., Bhattacharya B.D., Benedetti-Cecchi L., Brainard R.E., Brandt A., **Bulleri F.**, Ellingsen K.E., Kaiser S., Kröncke I., Linse K., Maggi E., O'Hara T.D., Plaisance L., Poore G.C.B., Sarkar S.K., Satpathy K.K., Schückel U., Williams A., Wilson R.S. 2014. Commonness and rarity in the marine biosphere. *Proceedings of the National Academy of Sciences USA* 111: 8524-8529.
- Ceccherelli G., Pinna S., Cussedu V., **Bulleri F.** 2014. The role of disturbance in promoting the spread of the invasive seaweed *Caulerpa racemosa* in seagrass meadows. *Biological Invasions* 16: 2737-2745.
- Bulleri F.**, Piazzì L. 2015. Variations in importance and intensity of competition underpin context dependency in the effects of an invasive seaweed on resident assemblages. *Marine Biology* 162: 485-489.
- Maggi E., Benedetti-Cecchi L., Castelli A., Chatzinikolaou E., Crowe T.P., Ghedini G., Kotta J., Lyons D.A., Ravaglioli C., Rilov G., Rindi L., **Bulleri F.** 2015. Ecological impacts of invading seaweeds: a meta-analysis of their effects at different trophic levels. *Diversity and Distributions* 21: 1-12.
- Balata D., Piazzì L., **Bulleri F.** 2015. Sediment deposition dampens positive effects of substratum complexity on the diversity of macroalgal assemblages. *Journal of Experimental Marine Biology and Ecology* 467: 45-51.
- Bulleri F.**, Malquori F. 2015. High tolerance to simulated herbivory in the clonal seaweed, *Caulerpa*

cylindracea. *Marine Environmental Research* 107: 61-65.

Cusson M., Crowe T.P., Araújo R., Arenas F., Aspden R., **Bulleri F.**, Davoult D., Dyson K., Frascchetti S., Herkül K., Hubas C., Jenkins S., Kotta J., Kraufvelin P., Migné A., Molis M., Mulholland O., Noël L.M.-L.J., Paterson D.M., Saunders J., Somerfield P.J., Sousa-Pinto I., Spilmont N., Terlizzi A., Benedetti-Cecchi L. 2015. Relationships between biodiversity and the stability of marine ecosystems: Comparisons at a European scale using meta-analysis. *Journal of Sea Research* 98:5-14.

Tamburello L., Maggi E., Benedetti-Cecchi L., Bellistri G., Rattray A.J., Ravaglioli C., Rindi L., Roberts J., **Bulleri F.** 2015. Variation in the impact of non-native seaweeds along gradients of habitat degradation: a meta-analysis and an experimental test. *Oikos* 124: 1121-1131.

Benedetti-Cecchi L., Tamburello L., Maggi E., **Bulleri F.** 2015. Experimental perturbations modify the performance of early warning indicators of regime shift. *Current Biology* 25:1867-1872.

Bulleri F., Bruno J.F., Silliman B.R., Stachowicz J.J. 2016. Facilitation and the niche: implications for coexistence, range shifts and ecosystem functioning. *Functional Ecology* 30: 70-78.

Piazzì L., **Bulleri F.**, Ceccherelli G. 2016. Limpets compensate sea urchin decline and enhance the stability of rocky subtidal barrens. *Marine Environmental Research* 115: 49-55.

Bulleri F., Benedetti-Cecchi L., Jaklin A., Iveša L. 2016. Linking disturbance and resistance to invasion via changes in biodiversity: a conceptual model and an experimental test on rocky reefs. *Ecology and Evolution* 6: 2010-2021.

Bulleri F., Badalamenti F., Iveša L., Mikac B., Musco L., Jaklin A., Rattray A., Vega Fernández T., Benedetti-Cecchi L. 2016. The effects of an invasive seaweed on native communities vary along a gradient of land-based human impacts. *PeerJ* 4:e1795.

Piazzì L., Balata D., **Bulleri F.**, Gennaro P., Ceccherelli G. 2016. The invasion of *Caulerpa cylindracea* in the Mediterranean: the known, the unknown and the knowable. *Marine Biology* 163:161.

Rattray A., Andrello M., Asnaghi V., Bevilacqua S., **Bulleri F.**, Cebrian E., Chiantore M., Claudet J., Deudero S., Evans J., Frascchetti S., Guarnieri G., Mangialajo L., Schembri P.J., Terlizzi A., Benedetti-Cecchi L. 2016. Geographic distance, water circulation and environmental conditions shape the biodiversity of Mediterranean rocky coasts. *Marine Ecology Progress Series* 553: 1-11.

Uyà M., Maggi E., Mori G., Nuccio C., Gribben P.E., **Bulleri F.** 2017. Carry over effects of nutrient addition on the recovery of an invasive seaweed from the winter die-back. *Marine Environmental Research* 126: 27-44.

Bulleri F., Benedetti-Cecchi L., Ceccherelli G., Tamburello L. 2017. A few is enough: a low cover of a non-native seaweed reduces the resilience of Mediterranean macroalgal stands to disturbances of varying extent. *Biological Invasions* 19:2291-2305

Ravaglioli C., Lauritano C., Buia M.C., Balestri E., Capocchi A., Fontanini D., Pardi G., Tamburello L., Procaccini G., **Bulleri F.** 2017. Nutrient loading fosters feagrass productivity under ocean acidification. *Scientific Reports* 7: 13732

Bulleri F., Cucco A., Dal Bello M., Maggi E., Ravaglioli C., Benedetti-Cecchi L. 2018. The role of wave-exposure and human impacts in regulating the distribution of alternative habitats on NW Mediterranean rocky reefs. *Estuarine Coastal and Shelf Science* 201: 114-122.

Ceccherelli G., Oliva S., Pinna S., Piazzì L., Procaccini G., Marin-Guirao L., Dattolo E., Gallia R., La Manna G., Gennaro P., Costa M.M., Barrote I., Silva J., **Bulleri F.** 2018 Seagrass collapse due to synergistic stressors is not anticipated by phenological changes. *Oecologia* 186: 1137-1152.

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Bulleri F. 2008. La valutazione di impatti ecologici in ambiente costiero: criteri per la scelta dei siti di riferimento. *39° Congresso SIBM*. Cesenatico, 9-13 Giugno, Abstract pp. 65-68 (presentazione orale).

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Benedetti-Cecchi L., **Bulleri F.**, Maggi E., Dal Bello M., Ravaglioli C., Cucco A. 2015. Regime shifts and the maintenance of alternative states on rocky reefs in the NW Mediterranean. *13th European Ecological Federation (EEF) and 25th Italian Society of Ecology's (S.It.E.) joint conference*. 21-15 Settembre, Roma, Italia. Abstract p. 323.

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Lauritano C., **Bulleri F.**, Ravaglioli C., Tamburello L., Buia M.C., Procaccini G. 2015. Antioxidant and stress-related genes in the seagrass *Posidonia oceanica* in the vicinity of natural CO₂ vents at different nutrient conditions. *13th European Ecological Federation (EEF) and 25th Italian Society of Ecology's (S.It.E.) joint conference*. 21-15 Settembre, Roma, Italia. Abstract p. 611.

Ravaglioli C., **Bulleri F.** 2016. Including temporal regimes in compounded disturbance scenarios: the effects of pulse versus press nutrient loading and herbivory in seagrass meadows. *11th International Temperate Reefs Symposium*. 26-30 Giugno, Pisa, Italia. Abstract p. 35.

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Seminari e Presentazioni ad Invito

Bulleri F. 2004. Introduzione di strutture artificiali in aree costiere: implicazioni per la biodiversità. 3 Maggio, Università di Lecce, Italia.

Bulleri F. 2004. Urbanisation of coastal areas: threats to marine molluscs and conservation needs. *World Congress of Malacology*. 11-16 Luglio, Perth, WA, Australia. Abstract p. 15-16. (plenary speaker).

Bulleri F. 2008. La selezione dei siti di riferimento in studi ecologici. *Corso di formazione tecnico-pratico sull'elemento biologico macroalghe e sul calcolo dello stato ecologico secondo la metodologia CARLIT*. 25-29 Febbraio, S.Margherita Ligure (GE), Italia.

Bulleri F. 2009. The role of facilitative interactions in coastal environments: moving from patterns to processes. British Ecological Society Symposium 2009 *Facilitation in Plant Communities*, 20-22 Aprile, University of Aberdeen, Scozia, UK (plenary speaker).

Bulleri F. 2009. Positive species interactions: advances in knowledge, direction for future research and implications for ecosystem management. Università di Bologna, 14 Dicembre, Bologna, Italia.

Bulleri F. 2010. Human perturbations in coastal areas: implications for marine biodiversity and ecosystem functioning. 12 Luglio, University of Perpignan, Perpignan, Francia.

Bulleri F. 2010. *Paracentrotus lividus* and *Arbacia lixula*: functional redundancy and implications for the management of exploited populations. International workshop *Status and management of the edible sea urchin Paracentrotus lividus in the Mediterranean Sea*. 8-9 Ottobre, Palermo, Italia.

Bulleri F. 2011. Good riddance to bad luck: positive species interactions in an increasingly hostile world. *XX Congress of the Italian Association of Oceanography and Limnology (AIOL)*. 4-8 Luglio, Lecce, Italia (plenary speaker), Abstract p. 3.

Bulleri F. 2011. Adding positive species interactions into the melting pot of biological invasions: emerging perspectives and future research directions. *7th International Conference on Marine Bioinvasions*. 23-25 Agosto, Barcellona, Spagna (plenary speaker), Abstract p.23.

Bulleri F. 2012. Positive species interactions in marine habitats: main concepts and their relevance in the context of environmental changes. 6 Marzo, Arcachon Marine Station – University of Bordeaux 1, Francia.

Bulleri F. 2014. Non-linearities in the effects of biodiversity and disturbance on community invasibility: implications for conservation. *International Meeting on Marine Research*. 10-11 Luglio, Peniche, Portogallo (keynote speaker).

Bulleri F. 2014. Species interactions along gradients of stress in marine environments: moving from patterns to processes. Environment workshops *Biotic interactions: Underlying mechanisms, ecological functions, and ecosystem services*. 22- 24 Settembre, Universidad International de Andalucía, Baeza, Spagna.

Bulleri F. 2015. Context-dependency in the impacts of non-native species: implications for conservation and rehabilitation strategies. *Alien Species Network Workshop*. 16-17 Luglio, Universidade de Santiago de Compostela, Santiago de Compostela, Spagna.

Bulleri F. 2016. Human alteration of biotic and abiotic conditions in coastal environments. 13 Settembre 2016, Massachusetts Institute of Technology (MIT), Boston, MA, USA.

Bulleri F. 2018. The establishment and impacts of invasive species in coastal environments: are we advancing our understanding? 6 Febbraio, University of New South Wales, Sydney, Australia.

Attività didattica

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| 2006-2010 | Titolare di incarico di Supporto alla Didattica per il corso di Ecologia Generale tenuto dal Prof. L. Benedetti-Cecchi. |
| 2008 | Docente di metodi statistici per il corso Master Eco-Governance degli ecosistemi lagunari del bacino Adriatico (9 ore). |
| 2010 | Titolare del corso integrativo <i>Interazioni tra specie in diversi habitat marini e conseguenze del disturbo su biodiversità e funzionamento degli ecosistemi marini</i> presso la Facoltà di Scienze dell'Università Politecnica delle Marche. (14 - 19 Gennaio 2010). |
| 2012-presente | Titolare del corso <i>Biologia Marina 2</i> (3 CFU) per il corso di Laurea Magistrale in Biologia Marina, Università di Pisa. |
| 2015- presente | Titolare del corso <i>Ecologia</i> (9 CFU) per il corso di Laurea Triennale in Scienze Naturali ed Ambientali, Università di Pisa. |
| 2015- presente | Titolare del corso <i>Impatto dei Cambiamenti Climatici in Ambienti Marini</i> (3 CFU) per il corso di Laurea Magistrale in Biologia Marina, Università di Pisa. |
| 2015-presente | Titolare del corso <i>Global Changes in Marine Biodiversity</i> (32 ore) all'interno del Master Program in Marine Biology Specialty tra Università di Pisa e Zhejiang Ocean University (PR China). |

Supervisione di dottorati

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|-----------|---|
| 2010-2014 | External Supervisor del PhD student T. Alestra (University of Canterbury, Nuova Zelanda). |
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2013-2016 Tutor della dottoranda C. Ravaglioli (Dottorato in Biologia; Università di Pisa)

2014-2018 Co-tutor della dottoranda M.C. Benedetti (Dottorato in Biologia; Università di Pisa)

2014-2018 Co-tutor della dottoranda Miriam Ruocco (Open University UK)

2015-2019 Tutor del dottorando Marc Uyà Yrayzoz (Dottorato in Biologia; Università di Pisa)

2021-presente Tutor della dottoranda Ludovica Pedicini (Dottorato in Biologia; Università di Pisa)