

LAURA AIROLDI - CURRICULUM VITAE

Highly Cited
Researcher
2019



- Personal information** Laura Airoidi, born 27 February 1967 at Milano (Italy). Italian nationality
- Current employment** Professor (Chair in Ecology, full time, permanent position), University of Padova (main institution) and *Alma Mater Studiorum* - University of Bologna (30%)
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<https://scholar.google.it/citations?user=5E3uXgYAAAAJ&hl=en>
https://www.researchgate.net/profile/Laura_Airoidi
- Languages** Italian (mother tongue), English (fluent spoken and written), French (basic spoken and written)
- Education**
1994 Ph.D in Environmental Sciences (Marine Science), University of Genoa, Italy (Advisors: Prof. F Faranda and Prof. F Cinelli)
1990 M.Sc. equivalent University Degree in Biological Sciences, University of Milano, Italy (Advisor Prof. E Giavini). *Magna cum laude* honorary mention.
- Other qualifications**
1996- Diving skills and field work-related qualifications, including: One star CMAS Instructor of SCUBA Diving (1997), three star CMAS Scientific SCUBA Diver (1997), First Aid and oxygen resuscitator (2013), Nautical licence no limits (2017)
- Professional experience¹**
2020-date Responsible for Chioggia Hydrobiological Station Umberto D'Ancona, and coordinator of the Departmental Commission for Chioggia Outstation
2020-date Tenure Full Professor sector 05/C1 – ECOLOGY, University of Padova (main institution start date 1.7.2020) and University of Bologna (30% start date 28.7.2020)
2019 Visiting Researcher, University of California Santa Cruz (1mo, Prof. Mike Beck)
2019 FSE Visiting Research Fellow and Honorary Associate Professor, Macquarie University, Australia (2mo, Dr K Dafforn)
2015 -2018 Scientific consultant, Mistra Council for Evidence-based Environmental Management (EviEM), Sweden
2013 Fulbright Research Fellow, Stanford University, USA (6mo, Prof. F Micheli)
2011-2020 Tenure Associate Professor sector 05/C1 – ECOLOGY, University of Bologna, Italy (start date 15.4.2011 end 30.6.2020)
2011 ECCO Visiting Fellow, Wesleyan University, USA (1mo, Prof M Gilmore)
2009 Consultant for Geo-Exe Associated Studio, Forlì, Italy
2006 Marco Polo Visiting Fellow, University of Adelaide, Australia (3mo, Prof SD Connell)

¹ I had 10 months interruption for childbirth (5 months in 2003 and 5 months in 2005)

- 2005-2011 Tenure Researcher and Lecturer, Faculty of Sciences, University of Bologna, Italy
- 2004 TNC Visiting Fellow, University of California Santa Cruz, USA (1mo, Dr MW Beck)
- 2004-2008 Consultant for the Marine Programs of The Nature Conservancy, USA
- 2002 LINKECOL Visiting Fellow, Marine Biological Association UK (5mo, Prof SJ Hawkins)
- 2001 Consultant for ENI SpA-AGIP, Italy
- 2000-2005 Post-doctoral Fellow, University of Bologna, Italy (Prof. V-U Ceccherelli)
- 1999 Contract lecturer, University of Bologna, Italy
- 1998 Visiting Fellow, Marine Biological Association UK, UK (1mo, Prof. AJ Southward)
- 1997-1998 Post-doctoral Research Fellow, University of Sydney, Australia (Prof. AJ Underwood)
- 1994-1996 Post-doctoral Research Fellow, University of Pisa, Italy (Prof. F Cinelli)
- 1992 Consultant for ENI SpA –SNAMPROGETTI, Milano, Italy
- 1991-1994 Doctoral Research Fellow, University of Genova and University of Pisa, Italy (Prof. F Faranda and Prof. F. Cinelli)
- 1990-1991 Post-graduate Training, University of Trieste, Italy (Prof. S Fonda-Umani)

Professional distinctions - awards, prizes, personal fellowships, honours, or prestigious boards

- 2020-2024 Scientific Advisory Board Member of IH Cantabria, Spain
- 2021-date National representative for the Italian Ministry of University and Research in the HE Partnerships Biodiversa and Blue Growth
- 2020-date National representative for the Italian Ministry of University and Research in the "Shadow" Thematic Configuration of the Horizon Europe Programme Committee, Cluster 6 “Food, bioeconomy, natural resources, agriculture and environment”
- 2020 Mobility Fellowship Brown University, USA (renounced due to COVID)
- 2019 Web of Science Highly Cited Researcher year 2019 (category cross-field), Clarivate Analytics. This list recognizes the World’s Most Influential Scientific Minds, who are world-class researchers selected for their exceptional research performance, demonstrated by production of multiple highly cited papers that rank in the top 1% by citations for field and year in *Web of Science*.
- 2019-date Member (Resident Correspondent Academician in Physical Sciences) of the Academy of Sciences of Bologna Institute
- 2019 Fellowship and Honorary Appointment as Visiting Associate Professor, Faculty of Science and Engineering, Macquarie University (Australia)
- 2017-2018 Key Advisory Team Member for the “Dimensions of Citizenship” concept package of the SCAPE / Landscape Architecture DPC for the 16th International Architecture Exhibition Biennale di Venezia (Venice, 26 May - 25 November 2018) focusing on dimensions of ecological citizenship through the lens of regional indicator species, their demise and (potential) resuscitation in marine urban areas.
- 2017-date Listed among the Top Italian Scientists for Natural and Environmental Sciences (http://www.topitalianscientists.org/TIS_HTML/Top_Italian_Scientists_Natural_Environmental_Sciences.htm)
- 2016 -2020 Scientific Board Fellow, Institute of Advanced Sciences, University of Bologna, Italy
- 2015 Fellowship, British Phycological Society (Aquatic Biodiversity and Ecosystems Conference, Liverpool, UK, 30 August - 4 September 2015)
- 2014 –date Co-leader, Green Engineering Working Group, global network World Harbour Project (<http://www.worldharbourproject.org>)
- 2014 Invited Chairperson, Swiss Biennial on Science, Technics and Aesthetics (Swiss Museum of Transport, Lucerne, Switzerland, 18-19 January 2014)
- 2013 Fellowship, Fulbright Occasional Lecturer Fund at University of Hawaii at Manoa (USA), Council for International Exchange of Scholars (CIES)
- 2012 Fellowship, Fulbright Research at Stanford University, The US –Italy Fulbright Commission
- 2011 Fellowship, E.C.Co. Exchange, Eastern College Consortium, Vassar, Wellesley e Wesleyan University, USA

- 2011 Fast Moving Front Commentary, Thompson Reuters (featured at http://sciencewatch.com/dr/fmf/2011/11sep/fmf/11sep/fmfAiroET_LE/)
- 2008 Fellowship “Shellfish Reefs at Risk”, The Nature Conservancy, USA.
- 2008 Fellowship ISA Topic 2008 “Predicting changes in a changing world” (Institute of Advanced Studies, Italy)
- 2008 Fellowship: “The loss of habitat-forming species: implications for biodiversity of temperate seas””, The Nature Conservancy, USA
- 2006 Fellowship Marco Polo Exchange, University of Bologna, Italy
- 2004 Fellowship MI Innovative Projects (project 1981483000), The Nature Conservancy, USA.
- 2004 Award, Best 2003 Italian Ecological Paper (The effects of sedimentation on rocky coast assemblages, *Oceanogr Mar Biol Annu Rev*, 41: 161-236), Italian Ecological Society S.It.E
- 2002 Fellowship Exchange Visit, European Science Foundation, LINKECOL (Linking Community and Ecosystem Ecology) Programme
- 2000, 2002, 2005 Fellowships Post-doctoral, University of Bologna
- 1999 Award “Premio Marchetti”, Best Oral Presentation, IX National Conference of the Italian Society of Ecology (S.It.E)
- 1997 Fellowship Post-doctoral, University of Sydney, Australia
- 1996 Fellowship Post-doctoral, University of Pisa, Italy.
- 1994 Fellowship MAST II Post-doctoral, European Union
- 1991 Fellowship Doctoral, Italian Ministry of the University, Scientific and Technological Research, Italy
- 1990 Award for excellence in university studies, INPDAI (Italy)
- 1990 *Magna cum laude* graduate honours, University of Milano, Italy.

RESEARCH

Research interests

My research focuses on coastal and marine ecology, with an emphasis on field experimentation and coupled human-natural systems. I work in a highly multidisciplinary context, addressing the consequences of multiple anthropogenic impacts - emphasizing coastal urbanization, habitat loss, enhanced loads of sediments and nutrients, microplastics and climate change - finalized to the sustainable management, conservation and restoration of coastal and marine ecosystems. I am particularly interested in human-induced seascape use and cover change, due to the recognition that the transformation of seascapes is the greatest driver of biodiversity loss. In this context, I apply ecological knowledge to design conservation and restoration strategies in increasingly urbanized marine systems. I work in a variety of marine coastal environments, including rocky shores, submarine caves, marine urban habitats, artificial coastal and offshore structures, shallow sedimentary environments and salt marshes. I also have a strong background in the design and analysis of ecological experiments and monitoring programs. My current research interests are very cross-disciplinary and focus on:

- Marine urban ecology, emphasis on tools, strategies and guidelines to mitigate the environmental effects of coastal urbanization - including biodiversity loss, the spread of alien species and the growing impacts of microplastics
- Ecosystem based design of sustainable shoreline protection strategies, ports and waterfronts, and offshore platforms, and applications for nature-based solutions
- Conservation and restoration of marine ecosystems - focus on predicting changes in biodiversity, ecosystem functions and services as a consequence of multiple stressors, and on developing knowledge and guidelines for their continuation and/or rehabilitation

Publication record and impact

Author or coauthor of 300 publications, including 152 peer reviewed papers (99 papers articles on ISI WoS/SCOPUS journals, 18 book chapters, 35 conference proceedings), and numerous technical reports, general articles and conference abstracts. I published in top ranked journals, including *Nature*, *Nature Communications*, *Nature Sustainability*, *Trends in Ecology and Evolution*, *Global Change Biology*, *Frontiers in Ecology and the Environment*, *Plos Biology*, *Journal of Ecology*, *Journal of Applied Ecology*, *Molecular Ecology*, *Bioscience*, *Diversity and Distributions*, *Environmental Pollution* and *Scientific reports*. **I was listed by Clarivate analytics among the highly cited scientists in Web of Science for year 2019, as recognition of exceptional research performance, demonstrated by production of multiple highly cited papers that rank in the top 1% by citations. According to Google Scholar my work has been cited 12600 times for an H index = 52 (SCOPUS H index = 41, WoS H Index =41). ISI Web of Science mentions/has mentioned 10 of my papers as ESI Highly Cited Papers, 1 as hot paper** (in the top 0.1% of papers in the academic field of Plant & Animal Science), and according to Google scholar 36 of my papers currently have > 100 citations. My paper “Airoidi & Beck, 2007 (*Oceanogr. Mar. Biol. Annu. Rev.*, 45: 345-405) was selected by Essential Science IndicatorsSM from Thomson Reuters as Fast Moving Fronts paper in the field of Plant & Animal Science and featured at http://sciencewatch.com/dr/fmf/2011/11sepfmf/11sepfmfAiroET_LE/. The papers Stuart-Smith et al 2013 (*Nature* 501:539-542), and Lotze et al 2011 (*Trends Ecol. Evol.*, 26: 595-605) have been both featured by the Faculty of 1000. Two of my papers, the mentioned Lotze et al 2011 and Airoidi & Bulleri 2011 (*Plos One* 6: e22985. doi:10.1371/journal.pone.0022985) were also selected for inclusion in the European Commission's environmental news service for policy makers Science for Environment Policy.

Invited plenary and keynote conference presentations

- 2020 Plenary (Modified urban waterfronts: learning from the past (mistakes) to build a “bluer” future), 1st Conservation Paleobiology Symposium (3-4 February 2020, Bologna, Italy)
- 2019 Plenary (Seaweed conservation and restoration under rapid global change), 7th European Phycological Congress (25 to 30 August 2019 Zagreb, Croatia)
- 2019 Plenary (Solutions for increasingly urban oceans) 15th European Ecological Federation (29 July- 2 August 2019, Lisbon, Portugal)
- 2019 Plenary (Discovering, understanding and sustaining marine ecosystems along increasingly artificial coastlines) Netherlands Annual Ecology Meeting (12-13 February 2019)
- 2018 Keynote (The challenges of maintaining functional intertidal ecosystems for coastal protection under escalating local and global stressors in urbanised coastal regions) at the Second International Workshop on Eco-shoreline Designs for Sustainable Coastal Development (28-31 May 2018, Hong Kong)
- 2017 Keynote (Changing urban waterfronts: learning from the past to build the future) at the Journées du GIS d'Histoire & Sciences de la Mer (Nice, France, 22-24 Mars 2017)
- 2017 Plenary speaker at the EuroMarine event “Blue Science for Blue Growth” at the EU Parliament (Brussels, Belgium, 8 February 2017)
- 2016 Plenary speaker (Fostering marine conservation where people live) at the “XIX Iberian Symposium of Marine Biology Studies” (Porto, Portugal, 5-9 September 2016)
- 2016 Keynote speaker (Ecologically sensitive approaches to coastal defence - challenges and opportunities) at the 5th International Ecosummit – Ecological sustainability, engineering change (Montpellier, France, 29 August-1 September 2016)
- 2016 Keynote speaker (For the focal theme Restoration) at the STRANGE workshop organised within the 11 Temperate Reef Symposium with the support of EUROMARINE (26 June 2016, Pisa, Italy)
- 2016 Invited speaker (“Changing coasts: learning from the past to build the future”) at the prestigious EuroScience Open Forum, for the event “Maritime heritage for sustainable growth” (Manchester, UK, 23-27 July 2016)

- 2016 Plenary speaker (“Corridors for aliens but not for natives: challenges and opportunities of an ecologically-based design of marine infrastructures”) at the “9th International Conference on Marine Bioinvasions – ICMB” (Sydney, 19-21 January 2016)
- 2015 Plenary speaker (Conservation and revitalisation of marine ecosystems in human-dominated seascapes”) at the “International Conference on Mediterranean Marine Protected Areas: Integrated Management as a Response to Ecosystem Threats” (Ancona, Italy, 15-17 October 2015)
- 2015 Keynote speaker (“Integrating green engineering into conservation and restoration projects for coastal urban areas”) at the symposium “Conservation, Management and Policy” within the Aquatic Biodiversity and Ecosystems Conference (Liverpool, UK, 30 August - 4 September 2015)
- 2015 Keynote speaker (“Vanishing forests of canopy algae: a global problem with local solutions?”) at the symposium “Global change and algal assemblages: the fate of our seas” within the 6th European Phycology Congress (London, UK, 23 - 28 August 2015)
- 2015 Plenary speaker (“Loss, conservation and restoration of marine ecosystems in the anthropocene”) at the X Biofouling-Benthic Ecology Meeting (Arraial do Cabo, Brasil, 27-31 July 2015)
- 2013 Plenary speaker (“Coastal marine habitats - status and conservation needs”) at the WiGreen Forum on Environmental Sustainability (Fondazione Riccardo Catella, Milano, Italy, 14 February 2013)
- 2009 Keynote speaker (“Status and trends of mussel bed and oyster reef condition in the Mediterranean Sea, as well as western and northern Europe”) at the Special Session “Oyster Reefs at Risk: A Globally Imperiled Ecosystem and Recommendations for Future Conservation”, International Marine Conservation Congress (Washington, USA, 17-24 May 2009)
- 2006 Keynote speaker (“Habitat loss across Europe”) at the symposium “Habitat Loss and Conservation of European Marine Biodiversity”, 1st European Congress for Conservation Biology (Eger, Hungary, 22-26 August 2006)
- 2001 Keynote speaker (“Evaluation of the impact of coastal defence structures at a European scale: the case of the North Adriatic Sea”) at the XII Rassegna del Mare - Mareamico (2-4 March 2001 Ravenna, Italy),
- 1999 Keynote speaker (“Determinants of spatial dominance and coexistence of algal crusts and turfs”) at the 2nd Asia Pacific Phycological Forum (21-25 June 1999, Hong Kong)

Other invited presentations and seminars

- 2019 Invited seminar “Discovering, understanding and sustaining marine urban ecosystems” (Melbourne University, 3 May 2019; Macquarie University 7 May 2019; University of New South Wales, 10 May 2019; Padova University, 4 July 2019)
- 2018 Invited seminar “Discovering, understanding and sustainably managing marine urban ecosystems” (Hong Kong University, 5 September 2018, Hong Kong)
- 2018 Invited speaker (Developing Ecosystem-Based Solutions for Resilient European Harbours and Coastal Waterfronts) and chair of the session on marine urban space at the EuroMarine Ocean Frontiers for Sustainable Development Workshop (26 April 2018, Brussels, Belgium)
- 2018 Invited roundtable participant at the event “La biologia a Bologna” organised by the Accademia delle Scienze dell’Istituto di Bologna (18 Aprile 2018, Bologna)
- 2017 Invited speaker (Ecologically Sustainable approaches to the design of ports and waterfronts – which opportunities for the North Adriatic sea?) at the International RemTech Expo 2017 (20-22 Settembre 2017, FerraraFiere, Ferrara, Italy www.remtechexpo.com)
- 2017 Invited speaker (The future of offshore platforms – case studies and potential eco-engineering applications) at the workshop “The future of offshore platforms – decommissioning and reuse” (13 October 2017, Ravenna, Italy)

- 2017 Invited speaker (“Ecologically-sensitive approaches to coastal defence”) at the working group POSTCLIMA- The role of positive species interactions in sustaining and restoring the biodiversity of temperate coasts under future climate scenarios (Pisa, Italy, 3-5 July 2017)
- 2016 Invited speaker (Marine infrastructures as corridors for aliens: the need for an ecologically-based design of marine infrastructures) at the ICES Working Group on Introductions and Transfers of Marine Organisms (WGITMO) (Olbia, Italy, 16-18 March 2016)
- 2015 Invited seminar “Conservation and revitalisation of marine ecosystems in urban seascapes: challenges and opportunities” (Hong Kong University, 8 September 2015, Hong Kong)
- 2014 Invited participant to the kick-off meeting of the World Harbour Program (WHP, coordinator Peter Steinberg, University of New south Wales (11-13 November, Sydney, Australia)
- 2014 Invited participation in the Workshop “Ecological restoration of marine ecosystems: A crucial management tool in a human-dominated world?” where I gave two presentations: “Conservation and restoration of forests of canopy-forming algae” and “Integration of man-made structures into conservation and restoration projects” (Eilat, Israel, 22-26 June 2014)
- 2014 Invited seminar “Managing multiple stressors to enhance the resilience in threatened forests of canopy-forming algae” (Université Nice-Sophia Antipolis, France, 21 February 2014)
- 2013 Invited seminar “Conservation challenges in globally expanding marine urban seascapes”, (Stanford University, USA, 10 October 2013)
- 2013 Invited seminar “Anthropogenic marine ecosystems: preserving native biodiversity in increasingly urbanised seascapes” (University of Hawaii at Manoa, USA, 27 September 2013)
- 2013 Invited seminar “The loss and recovery potential of Mediterranean forests of fucoid algae” (Moss Landing Marine Laboratories, USA, 5 September 2013)
- 2013 Invited seminar “The effects of altered sedimentation regimes on coastal benthic communities” (U.S. Geological Survey Pacific Coastal and Marine Science Center, Santa Cruz, USA, 22 May 2013)
- 2013 Invited seminar “Changes and conservation of coastal seascapes – managing increasingly urbanised marine regions” (University of Padova, Italy, 20 March 2013)
- 2012 Invited participant in the Global Workshop on Marine Biogeography and Human Impacts (Maria’s Island, Tasmania, 10-30 November), organized by the University of Tasmania (Prof. G. Edgar) within the Reef Life Survey project
- 2012 Invited seminar “Conservation challenges in marine urban seascapes: combining ecological principles to the design of marine urban infrastructures”: Sydney Harbour Research Program Seminar Series (Sydney Institute of Marine Science - SIMS, Sydney, Australia, 16 November 2012)
- 2011 Invited seminar “Historical degradation and recovery prospects of Mediterranean coastal marine habitats” (Dept. of Earth and Environmental Sciences, Wesleyan University, Middletown CT, USA, 12 April 2011)
- 2009 Invited presentation “Historical loss and recovery prospects of Mediterranean coastal marine habitats”, Abdus Salam International Centre for Theoretical Physics (ITCP), Trieste, Italy (1 September 2009)
- 2007 Invited presentation (“Mediterranean Shellfish distribution, condition, and trends”) at the workshop “Shellfish Reefs at Risk”, Tampa - St. Petersburg, Florida, USA (25-26 Feb 2008)
- 2007 Invited presentation (“Effects of coastal defences on the marine environment: are we factoring them into management decisions?”) at the EPBRS meeting “Life on the blue Planet: Biodiversity Research and the New EU Marine Policies” (E-conference, 1-19 October 2007 and Porto 7-9 November 2007)
- 2006 Invited seminar “Impacts of coastal defence structures: the example of the North Adriatic sea”, University of Urbino, Italy (31 March 2006)
- 2004 Invited seminar “The consequences of marine seascape changes: the introduction of coastal defence structures in the North Adriatic sea”, University of Urbino, Italy (21 April 2004)

1998 Invited presentation “Problems related to the choice and analysis of target assemblages and cross-habitat studies of large-scale ecological impacts” University of Sydney, Australia (30 April 1998)

Current and past research projects and funding

Coord= project coordinator (i.e. project leader in individual or multipartnership projects), Loc Coord= local unit coordinator (in multipartnership projects), PI=Principal investigator (leader for research activities or for specific WorkTasks within multipartnership projects), Part= participant. Unless otherwise stated, all grants were from competitive, external, peer reviewed funding schemes. Both the total grant and the local unit funding are indicated.

2020-2022 *PI* CASCADe, CoAStal and marine waters integrated monitoring systems for ecosystems protection and management (INTERREG V A Italy-Croatia CBC Programme, Coord Adriana Maria Lotito, Regione Puglia € 5 817 547,00)

2020-2023 *Loc Coord and PI* “EMME - Exploring the fate of Mediterranean microplastics: from distribution pathways to biological effects” (PRIN 2017-2018, Coord Prof. F Regoli, University Politecnica delle Marche total grant € 916.906, start date 29 April 2020) € 131.406

2019-2022 *Loc Coord and PI* “TRASMARES - Specialized training on applied tools for sustainable marine ecosystems” (ERAMUS + 2019. KA203 Strategic Partnership for higher education, 2019-1-ES01-KA203-065536, Coord Prof. Juanes JA De La Peña, Cantabria University, total grant € 257.953, start date 1 september 2019) € 81.656

2019-2021 *Part* “TAO –Tecnologie per il monitoraggio costiero” (POR-FESR, Coord Proambiente, total grant €799.554)

2018-2021 *PI* “Innovative Strategies, Monitoring and analysis of coastal erosion risk-STIMARE Strategie Innovative, Monitoraggio ed Analisi del Rischio Erosione (Ministero dell’Ambiente e della Tutela del Territorio e del Mare, art. 2 comma 2 della Legge 5/01/2017 n. 4, GU n. 16 del 20/01/2017, Coord Prof. Renata Archetti, total grant € 340.000) - € 25.000 (start 27 October 2018)

2018-2021 *Coord* “Development of biomimetic surfaces for the eco-compatible design of port seawalls and other maritime infrastructures” (POR FSE 2014/2020, Regione Emilia Romagna) - € 86.743,44

2016-2019 *Loc Coord and PI* Functional Variability and Dynamics of Responses of Marine Forests to Global Change – MARFOR (Biodiversa, ERA-LEARN 2020 grant agreement No 645782, 31/12/2016 - 30/12/2019, Coord Prof. Ester Serrao, Algarve University) – in kind contribution²

2017-2019 *Coord* Responses of marine forests to global change: implications for conservation, habitat restoration and policy (Grant to co-fund the costs of a 2 years Post-doc under my supervision, internal grant of University of Bologna, funding from MIUR-Italian Ministry of Education, University and Research) – € 34.600

2016 *Coord* Developing ecosystem-based solutions for resilient European harbours and coastal waterfronts (ECORES Foresight Workshop, joint support from EUROMARINE and World Harbour Project) - € 11.000

2016-2019 *Coord* Analysis of the ecological effects of microplastics in coastal marine environments (Grant to cover the costs of one PhD student under my supervision, internal grant of University of Bologna, funding from MIUR Italian Ministry of Education, University and Research) – € 50.000

2016-2018 *Loc Coord, WT leader, and PI* Direct and indirect ecotoxicological impacts of microplastics on marine organisms Plastox (JPI Oceans CSA OCEANS 2, grant agreement No 696324) – Coordinator of WT3 on MP Uptake, Accumulation & Food Web

² Italian partners could participate to the proposal but as in kind contributors as Italy did not fund this grant scheme

- transfer and Coordinator for the University of Bologna (³funded for my local unit at UNIBO through MIUR Italian Ministry of University and Research, 1/1/2016 - 31/12/2018, coord Dr. Andy Booth, SINTEF, total grant € 3.624.000) - € 285.688
- 2015-2017 *Coord* Experimental analysis of effective management scenarios for marine coastal ecosystems threatened by multiple local and global stressors (Grant to co-fund the costs of 2 years Post-doc under my supervision, internal grant of University of Bologna, funding from MIUR Italian Ministry of Education, University and Research) – € 24.000
- 2014-2019 *Loc coord and Management Committee Member*, EU Action COST IS1403 Ocean Past Platform (coordinator Poul Holm, Trinity College Dublin, Ireland)
- 2014-2019 *PI*, Marine urban sprawl: Using ecology to design multifunctional artificial structures. Australian Research Council, Linkage Projects (LP140100753, Coord K. Dafforn, Macquarrie University, Australia, total project grant AUS \$381.197)
- 2013-2016 *Coord, Loc Coord and PI*, “TETRIS - Observing, modelling and Testing synergies and TRade-offs for the adaptive management of multiple Impacts in coastal Systems” (PRIN 2010-2011 grant 2010PBMAXP_003, Italian Ministry of Education, University and Research) – € 979.345
- 2012-2016 *PI*, “MERMAID - Innovative multi-purpose off-shore platforms: planning, design and operation” (EU FP7 – Ocean – 2011, grant 288710, Coord E. Damgaard Christensen, Technical University of Denmark, total project grant € 5.483.411) –€ 60.000
- 2010-2015 *Loc Coord, Chair of the Scientific Board (since 2015) and member of the Management Board*, “MARES - Doctoral Programme on Marine Ecosystem Health and Conservation” (EU- 512002-1-2010-1-BE-EMJD, Coord Ghent University). Funding received by my local UNIBO unit approx € 750.000
- 2009-2013 *PI* “THESEUS -Innovative technologies for safer European coasts in a changing climate” (EU - FP7 - ENV2009-1, grant 244104, Coord B. Zanuttigh, University of Bologna, total project grant € 8.519.726)
- 2008-2010 *Loc Coord and PI* “BIORES -The resistance and resilience of coastal biodiversity to synergic effects of global and local environmental changes” (PRIN 2007, 200777PWKJ_003, Italian Ministry of Education, University and Research, Italy, coord L Benedetti-Cecchi, total pèroject grant € 66.848) - € 18.547
- 2008-2010 *Coord* “MarUrbe - Sustainable Urban Development: solutions to promote the biological and conservation value of marine urban structures” (EU – FP7-PEOPLE-2007-2-1-IEF-219818) – € 171.469
- 2008-2010 *Coord* “Effects of the Introduction of non-native habitats and species on the functioning of marine coastal ecosystems” (internal grant of Bologna University to co-fund the costs of a 2-year Post-doc under my supervision, funding from MIUR Italian Ministry of Education, University and Research) –€ 27.733
- 2007-2009 *Coord and PI* “AdriaBio - Past, present and future of marine biodiversity in the Adriatic sea” (internal grant, University of Bologna Strategic Project, University of Bologna, Italy) – € 60.000
- 2007-2008 *Part* “ECO GOVERNANCE –Ecological foundations for the governance of the Adriatic coastal space: ecology, monitoring and management of transitional aquatic ecosystems” (EU INTEREG/CARDS-PHARE) – multi-institutional collaboration (coordinator A. Basset, University of Salento) multiple PIs (including L. Airoidi, Coordinator of 2 modules) € 74,970
- 2004-2005 *Part* “MED RED: Artificial Marine Structures (AMS): Multifunctional tool for research and environmental management in the Mediterranean and Red Sea” (Bilateral Projects Italy-Israel, Italian Ministry of the Environment, Italy)
- 2004 *Part* “Ecological effects of beach nourishments” (Regione Emilia Romagna, Italy)

³ This is an international, external, peer reviewed, competitive grant. As in many EU grant schemes, however, each partner is then individually funded by his own country funding agency, which for Italy is MIUR

- 2003-2004 *Part* “Spatial variability of benthic assemblages on natural reefs and artificial structures” (Project COFIN 2002, Italian Ministry of Education, University and Research)
- 2002-2007 *Part* “Development of monitoring programs of offshore activities in the Adriatic Sea” (ENI, E & P Division, AMTE Dept, Italy)
- 2001-2004 *PI and Steering Committee member* “DELOS - Environmental design of low crested coastal defence structures” (EU - EVK3-CT-2000-00041)
- 1999-2001 *Part* Distribution, diversity and genetic structure of hard-bottom organisms in brackish habitats: roles of natural and anthropogenic disturbances (Italian Ministry of the University, Scientific and Technological Research, Italy)
- 1998 *Part* Nutrient limited growth of macroalgae in the Tuggerah Lakes estuary (supported by the Wyong Shire Council)
- 1997-1998 *Part* “Quantitative and experimental ecology of coastal algae” (ARC Large Grant, Australian Research Council)
- 1996-1997 *Part* “Regression of belts of canopy forming algae: monitoring and predicting the ecological effects on British and Italian rocky shores” (British Council and Italian Ministry of Education, University and Research)
- 1996-1997 *Part* “Marine Invasions mediated by ballast waters” (Smithsonian Environmental Research Centre and Williams College-Mystic Seaport)
- 1996-1997 *Part* EUROROCK- Interactions of physical and biological factors in the surf and swash zone of European rocky shores (MAST III Project, MAS3-CT96-0012 supported by the European Union)
- 1996 *Part* Sampling subtidal rocky reef assemblages with the support of amateur divers (supported by the Federazione Italiana Pesca Sportiva ed Attività Subacquee)
- 1993-1995 *Part* “Oxic-anoxic interfaces as productive sites” (European Community, MAS2-CT93-0058)

Research Networks, Platforms, Working Groups and other (inter)national collaborations

I have published papers with >340 coauthors from > 40 countries all over the world, with a increasing focus over time for multidisciplinary and multisectoral collaborations. Many of these collaborations have been developed through research projects and networks. Here is a list of some of the most relevant.

- 2020 Representative for Chioggia Marine Station within the network MARSMarine Research Institutes & Stations
- 2019 Member of the Italian hub within the “BLUEMED Pilot for a Plastic free healthy Mediterranean” initiative
- 2018 Invited participant to the Working Group StressNet – Scientific workshop for the advancement of multiple stressor models and databases (organiser Prof. Dr. Ralf B. Schäfer, University Koblenz-Landau, Germany, 13-15 September 2018)
- 2017 Member of the working group POSTCLIMA- The role of positive species interactions in sustaining and restoring the biodiversity of temperate coasts under future climate scenarios (supported by EUROMARINE, Coord F Bulleri, € 7.500, University of Pisa 3-5 July 2017)
- 2017 Member of the working group MARFORSTAKE- Marine Forests for Stakeholders (supported by EUROMARINE, Coord E. Serrao and M Valero, € 7.500, Station Biologique de Roscoff, France 1 June 2017)
- 2016 Member and Chair for the “Restoration” session, Foresight Working Group STRANGE Status, trends and conservation options of marine coastal biodiversity under global change scenarios (supported by EUROMARINE, Coord L. Benedetti Cecchi, € 5.200, University of Pisa, 26 June 2016)
- 2015-2018 Member of the EviEM review working team on the effects of anthropogenic pressures in shallow coastal areas on fisheries (Mistra Council for Evidence-based Environmental Management, Sweden). This has involved the invited participation to 4 workshops at

- Stockholm during the course of the project (<https://eviem.se/en/projects/fish-recruitment/>)
- 2014-date Participant and co-leader of WP 2 - Green Engineering, World Harbour Project (WHP, <http://www.worldharbourproject.org>, Coord P. Steinberg, Sydney Institute of Marine Science, Australia). This also involved the invited participation to 3 workshops organised within the WHP (Sydney, Xiamen, Hong Kong)
- 2014 Invited participant to the Marine Ecological Restoration Workshop - MER (Coordinator Avigdor Abelson, 22-26 June 2014, The InterUniversity Institute for Marine Science, Eilat (Red Sea), Israel).
- 2014-date General Assembly Representative for the University of Bologna, European Marine Research Network (EUROMARINE, <https://www.euromarinenetwork.eu>),
- 2013-date Member and currently Regional Coordinator for the Mediterranean Sea, global Kelp Ecosystem Ecology Network (<http://www.kelpecosystems.org/members/regional-coordinators/>, Coord J Byrnes, University of Massachusetts, USA). This also included the participation in the NCEAS (National Centre for Ecological Analysis and Synthesis) working group “Global impacts of Climate Change on Kelp Forest ecosystems” (1 May 2013, Santa Barbara, USA)
- 2012 Invited participant to the KNEU working group on the Assessment of kelp forests status in Europe (coord, I Sousa Pinto) and to the 1st Biodiversity Knowledge workshop organised within the project “KNEU - Discussing the network of knowledge approach for Europe and its links to international processes” (21-23 May 2012, Brussels)
- 2008-2009 Member of the Science Team for The Nature Conservancy’s international initiative called “Shellfish Reefs at Risk”, a global assessment of reef-forming shellfish. This also included the invited participation in the Workshop “Shellfish Reefs at Risk: Understanding Status and Condition & Identifying Strategies to Address Them” (MW Beck, St. Petersburg, Florida, 27-28 February 2008)
- 2006-2010 Participant, CoML (Census of Marine Life) network “NaGISA – Natural Geography In Shore Areas”
- 2006-2009 General Assembly Representative for the University of Bologna, “MarBEF - Marine Biodiversity and Ecosystem Functioning” (EU Network of Excellence, EU contract GOCE-CT-2003–505446)
- 2006-2009 Participant, “ENCORE – European platform for coastal research coordination action”, EU Coordination Action

Other coordination, chair, board, and professional activities

- 2020 Co-organizer 1st Conservation Paleobiology Symposium (3-4 February 2020, Bologna, Italy)
- 2019 Co-organiser of the 2019 Community Ecology Conference (105 participants from 22 countries Bologna, June 2019)
- 2016 Organiser of the international workshop “Developing ecosystem-based solutions for resilient European harbours and coastal waterfronts – ECORES” (Ravenna, 4-6 May 2016)
- 2016 Co-Convenor (together with Gwenaél Piganeau and Nessa O’Connor) of the Symposium Global change and algal assemblages: the fate of our seas at the Sixth European Phycological Congress (London, UK 23–28 August 2015)
- 2016 Chair for the “Environmental change and species interactions” session at the 11 Temperate Reef Symposium (26-30 June 2016, Pisa, Italy)
- 2016 Chair for the “Restoration” session at the STRANGE workshop organised within the 11 Temperate Reef Symposium with the support of EUROMARINE (26 June 2016, Pisa, Italy)
- 2016 Award Committee Member, 11th Temperate Reef Symposium (26-30 June 2016, Pisa, Italy)

- 2016 Chair for the “Future oceans” session at the Second International Mares Conference on Marine Ecosystems Health and Conservation (Olhão, Portugal 1-5 February 2016)
- 2014 -2018 Management Board Member, Oceans Past Platform (COST Action IS1403)
- 2015 Chair for the symposium “Global change and algal assemblages: the fate of our seas” at the 6th International Phycological Congress (London, 23-28 August 2015)
- 2015 Co-convenor (together with F. Micheli, S. Frascchetti and E. Gissi) of the special session S21 - The challenge of managing multiple stressors in marine regions: success stories, opportunities for action and gaps of knowledge – at the EEF/SItE conference Ecology at the Interface, 21-25 September 2016 Rome, Italy
- 2014 Organization and coordination, International course “GLM: an introduction to generalised linear models using R” (23-28 June 2014), 40 hours), University of Bologna
- 2014 Co-organiser (with S. Goffredo) of the cycle of seminars “SEMINARS on Coral Reef Sciences @UNIBO (5-13 maggio 2014, University of Bologna)
- 2014 Chair for the “Ocean noise and habitat loss” session at the International Mares Conference on Marine Ecosystems Health and Conservation (17-21 November 2014)
- 2012 Organization and coordination of the International course “Introduction to meta-analysis of biological/ecological data” (9-12 October), University of Bologna (Italy)
- 2006 Chair of session and Member of the Award Committee at the XVI S.It.E Conference (Italian Ecological Society), Viterbo–Civitavecchia, Università degli Studi della Tuscia, 19–22 September 2006
- 2006 Award Committee Member for Premio Marchetti for best student presentation at the XVI S.It.E Conference (Italian Ecological Society), Viterbo–Civitavecchia, Università degli Studi della Tuscia, 19–22 September 2006
- 2004 Assessment of the environmental impacts of coastal beach nourishments along the Emilia Romagna coast for the Regione Emilia Romagna, Italy
- 2003-2008 Organization and coordination of 2 International Schools on the “Design and analysis of environmental monitoring and experiments” (3-14 March 2008, and 10-21 March 2003, Bologna University)
- 1999 Member of the Award Comitee, 2nd Asia Pacific Phycological Forum (21-25 June 1999, Hong Kong)
- 1998 Co-chair, organizer and speaker of the workshop “Issues in large-scale studies of ecological impact”, University of Sydney (30 April 1998)
- 1992 Mapping of the distribution of *Posidonia oceanica* (L.) Delile meadows in the Tuscan Archipelago for the former Ministry of Merchant Navy
- 1990-1992 Participant to 3 oceanographic cruises organized by the C.N.R. (Italian National Research Center): SERPA 2 (2 wks) e ASCOP 15 (2 wks) aiming at sampling planktonic and benthic assemblages along the Adriatic sea, and one cruise in the Sicily Channel (2 wks) aiming at quantifying by scuba diving the distribution of deep macroalgal assemblages

Activity as editorial board member, reviewer and advisor

- Speciality Chief Editor *Frontiers in Marine Science*, subject topics Marine Conservation and Sustainability (2020- *ongoing*)
- Editorial Board Member, *Marine Ecology Progress Series I.F. 2.292*, Review Staff Member (1996-2004), Reviewer Editor (2005-2006, and 2013 - *ongoing*) and Contributing Editor (2007 – 2012): subject topics ecology of rocky coasts, macroalgae, disturbance, invasive species, biodiversity and conservation
- Editorial Board member, *Sustainability*, section “Sustainable Use of the Environment and Resources” (2017 – *ongoing*)
- Editorial Board Member, *Diseases of Aquatic Organisms*, Reviewer Editor (2003- 2011)
- Editorial Board Member, *The Open Oceanography Journal* (2007-2015)
- Editorial Board Member, *ISRN Ecology* (2011 – 2017) <http://www.hindawi.com/isrn/ecology/>

- Guest Editor for the World Harbour Project Special Issue in the international journal *Regional Studies in Marine Sciences* (2016)
- Review manuscripts for several journals, including: *Ambio*; *Aquatic Botany*; *Aquatic Conservation*; *Aquatic Sciences*; *Austral Ecology*; *Australian Journal of Botany*; *Biological Conservation*; *Botanica Marina*; *Coastal Engineering*; *Conservation Biology*; *Coral Reefs*; *Diversity and Distributions*; *Ecological Indicators*; *Ecology*; *Ecology Letters*; *Environmental Pollution*; *Environmental Science: Processes & Impacts*; *Estuarine Coastal and Shelf Science*; *Frontiers in Ecology and the Environment*; *Frontiers in Marine Science*; *Hydrobiologia*; *Journal of Applied Ecology*; *Journal of Ecology*; *Journal of Experimental Marine Biology and Ecology*; *Journal of Phycology*; *Journal of Sea Research*; *Marine Biology*; *Marine Environmental Research*; *Marine Pollution Bulletin*; *Nature Communications*, *Oikos*; *PlosONE*; *Science Advances*; *PNAS-Proceedings of the National Academy of Sciences*; *Scientia Marina*; *Scientific Reports*; and *Water Air and Soil Pollution*
- Committee member/Referee for the examination of PhD Thesis at national (>40 PhD theses) and international levels, including theses on behalf of: the Faculty of Science, Information, Technology & Education of the Northern Territory University, Australia (2001); the Faculty of Science of the Victoria University of Wellington, New Zealand (2006); The Faculty of Biology of the University of Barcellona, Spain (2008); the Faculty of Science of the University of New South Wales, Australia (2009); the School of Biology and Environmental Sciences, University College Dublin, Ireland (2015); Southern Cross University (2021); Groningen University (2021); Macquarie University (2021)
- Invited to review research proposals on behalf of the Natural Environment Research Council of the UK, the Swedish Research Council for the Environment, Agricultural Sciences and Spatial Planning (Sweden), the Washington Sea Grant (USA), the National Science Foundation (USA), the Estonian Research Council on the behalf of ERA-NET BiodivERsA Call Secretariat, the Joint Baltic Sea Research Programme BONUS (BONUS Baltic Organisations' Network for Funding Science EEIG), the NWA-ORC scheme of the Netherlands Organisation for Scientific Research (NWO), and the Endeavour Fund, New Zealand. Since my Fulbright Fellowship, I also collaborate as reviewer on a regular basis with the US-Italy Fulbright Commission
- Expert advisor for the academic appointment committees at the Faculty of Science, University of Gothenburg, Sweden (2017, 2018), The University of Auckland, New Zealand (2018), Åbo Akademi University (2019), Virginia Institute of Marine Science, USA (2019)
- Appointment Committee Member for a research position at the Stazione Zoologica di Napoli

Training courses

- 2014 Course "An introduction to GIS Geographical Information System and Marine Habitat Mapping" (January-February 2014, 20 hours), University of Bologna
- 2013 Course "An introduction to R" (20 November 2013-15 January 2014, 18 hours), University of Bologna
- 2012 Course "Introduction to meta-analysis of biological/ecological data" (9-12 October), University of Bologna (Italy)
- 2003 Course "Design and analysis of monitoring and experiments for environmental scientists" (10-21 March), University of Bologna (Italy)
- 2002 Course of "Statistical analysis and interpretation of community data from ecology/environmental science using PRIMER for Windows (V5)", Marine Biological Association (United Kingdom)
- 1998 Course of "Multivariate analyses for biology and ecology", University of Sydney (Australia)
- 1997 International "Course-Seminar for the Instructors of European Scientific Divers", funded by the European Union, International School for Scientific Diving (Italy)

- 1997 Advanced International Course “Design and analysis of biological experiments”, University of Sydney (Australia) held at the University of Evora (Portugal)
- 1995 International Course “Design and analysis of biological experiments”, University of Sydney (Australia) held at the University of Evora (Portugal)
- 1990 “Training course of scientific divers”, International School for Scientific Diving (Italy)
- 1990 International Course “Seaweeds as monitors of environmental quality: taxonomy, physiology and ecology of marine algae”, International Marine Centre of Oristano (Italy)
- 1990 International Course “Phytobenthos of the Mediterranean” funded by the European Union under ERASMUS projects, Laboratoire Arago, Banyuls sur Mer (France)
- 1989 International Course “Mediterranean marine and terrestrial ecology”, Laboratoire Arago, Banyuls sur Mer (France)

TEACHING

I have > 25 years of teaching experience and mentoring at undergraduate and graduate levels. Teaching, mentoring (undergraduate students) and teaching related activities currently occupy ≈ 40% of my employment time. I also supervise numerous PhD students and I am member and vice director of the Steering boards of the Doctoral Programme in Science of Earth, Life and Environment (formerly Biodiversity and Evolution) at Bologna University. I have also been Chair of the MARES Doctoral Scientific Board, thereby contributing to advise and yearly evaluate each cohort of students during the project. I recently started experimenting with new online teaching, and I am currently involved in an Erasmus + project aiming to produce a MOOC for the Specialized training on applied tools for sustainable marine ecosystems.

Ongoing academic courses and students' opinions⁴

During the academic year 2018/2019 my average evaluation as from Students' Opinions was 97.8% for “Overall Satisfaction”, 100% for “Stimulating teaching”, 98.3% for “Clear teaching”

- 2020-date Marine Ecology: Patterns and Processes (6 CFU, 40 hours frontal teaching & 16 hours practicals) Fundamental core course, Master Degree in Marine Biology, Padova University (in English).
- 2020-date Experimental Design and Statistical Analysis Modulo 2 (2 CFU, 8 hours frontal teaching & 16 hours practicals) Fundamental core course, Master Degree in Marine Biology, Padova University (in English).
- 2020-date Ecology and Physiology of Global Changes Modulo 1 (3 CFU, 24 hours frontal teaching) Fundamental core course, Master Degree in Marine Biology, Padova University (in English).
- 2020-date Practical Marine Ecology Modulo 1 (1 CFU, 16 hours practicals) Fundamental core course, Master Degree in Marine Biology, Padova University (in English).

Past academic courses

- 2018 - 2020 “Natural and Urban Marine Ecosystems” (6 cf, 32 hours frontal teaching & 24 hours field practicals ~ 50 students). Fundamental core course, Master Degree in Marine Biology, Bologna University (in Italian).
- 2018 - 2020 “Global Changes of Human Modified Ecosystems” (3cfu, 16 h frontal teaching plus 12 h practicals ~ 40 students) Fundamental core course, International Master Degree in Global Change Ecology and Sustainable Development Goal, Bologna University (in English)

⁴ Unless specifically indicated, I am/was the sole developer, responsible and teacher of the indicated courses, including frontal teaching, practicals and student grading (there is/was no tutoring support). For my courses, I currently grade > 250 students per year

- 2017-2018 “Ecology and conservation of urban environments and waterfronts” (3 cf, 24 hours frontal teaching). Optional course, Master Degree in Science and Management of Nature, Bologna University
- 2016 - 2020 “Ecology-Modulo 2 Community and Ecosystem Ecology” (3 cf, 24 h frontal teaching ~ 60 students) Fundamental core course, Bachelor Degree in Environmental Sciences, Bologna University (in Italian).
- 2014-2018 “Marine Ecosystems: Structure and Processes” (6 cf, 28 hours of frontal teaching and 24 hours of field practical work ~ 50 students) fundamental course, Master Degree in Marine Biology, Bologna University
- 2013 - 2020 “Ecology and nature conservation” (8 cf, 64 h frontal teaching ~ 80 students). Fundamental core course, Bachelor Degree in Natural Sciences, Bologna University (in Italian).
- 2013-2014 “Marine Habitats: Structure, Processes and Mapping” (8 cf ~ 50 students. I coordinated the course and taught 5 cf, while the remaining 3 cf on GIS were taught by F. Foglini) fundamental course, Master Degree in Marine Biology, Bologna University
- 2011-2013 “Ecosystem laboratory” (1 cf) optional course, Bachelor Degree in Biological Sciences, Bologna University
- 2012-2013 “Experimental design and data analysis” (1 cf) Fundamental course, Master Degree in Marine Biology, Bologna University
- 2010-2013 “Marine Habitats: Structure and Processes” (6 cf ~ 50 students) fundamental course, Master Degree in Marine Biology, Bologna University
- 2010/2011 “Processes Structuring Marine Communities” (module of 3 cf 2010 ~ 40 students) fundamental course, Master Degree in Marine Biology, Bologna University
- 2008-2011 “Habitat and communities” (module of 3 cf 2010 ~ 40 students) fundamental course, Master Degree in Marine Biology, Bologna University
- 2008-2011 “Macroalgae and seagrasses” (1 cf) within the course “Applied marine botany”, Master Degree in Marine Biology, Bologna University
- 2005-2016 “Ecology” (6 cf ~ 160 students, 5 cf before 2009) fundamental course, Bachelor Degree in Biological Sciences, Bologna University
- 2005-2009 “Ecology - the history of ecological ideas” (5 cf). Optional course, Bachelor Degree in Philosophy, Bologna University
- 1999 “Ecology” (20 hr Contract Lecturer) and “Applied Ecology” (10 h, lab and field practical, Assistant Lecturer) Fundamental courses, Bachelor Degree in Environmental Sciences, Bologna University

Other teaching experience (national and international)

- 2019-date Erasmus + project TRASMARES aiming to produce a MOOC for the Specialized training on applied tools for sustainable marine ecosystems.
- 2019 I provided the lesson “SDG14- Life under water” for the International MOOC Higher Education for sustainable development goals organised in collaboration between the University of Bologna and the Polytechnic in Milan
- 2010-2015 Provision of internships to international students within the EMBS+ programme (International Master in Marine Biodiversity and Conservation)
- 2009 Invited lecturer at the HMAP International Summer School “When humanities meet ecology. Historic changes in Mediterranean and Black Sea marine biodiversity and ecosystems since the Roman period until nowadays. Languages, methodologies and perspectives”, Abdus Salam International Centre for Theoretical Physics (31 August-4 September 2009, Trieste, Italy)
- 2008 Coordinator and lecturer of 2 courses (6cf) of the International University Master: “Eco-Governance of Adriatic coastal environments” (EU, INTERREG/CARDS-PHARE 2007 - 2008)

- 2004 Invited Lecturer (4 hr) at the “Theoretical and practical course of algology” organized by the Algology working group of the Italian Botanical Society and by the Marine Research Centre at Cesenatico
- 2004 Lecturer on "Applications of multivariate analyses in ecology” for the Bachelor Degree in Environmental Sciences at Bologna University
- 2001 Lecturer (20 hr) at the “International Master Course in Coastal Zone Integrated Management for Sustainable Development (GIFC)”, Bologna University
- 2000 Lecturer (3 days, about 24 hours) on “Introduction to the design and analysis of ecological experiments” for Ph.D students at the University of Palermo
- 2000 Support Lecturer for the course “Ecology”, for the Bachelor Degree in Biological Sciences at Bologna University
- 1998 Tutorial (2hr) on the role of disturbance in community structure for the Honour Course of Marine Science at the University of Sydney
- 1997 Lecturer (5 hr) on “Introduction to experimental ecology” for the course of Ecology for the Graduate Diploma of Science (Environmental) at the University of Sassari
- 1992-1997 Lecturer (seminars and practicals) at the “Training courses of scientific divers”, International School for Scientific Diving
- 1992-1997 Assistance to teaching courses in Ecology for the Graduate Diploma of Science (Biological) at the University of Pisa. This involved teaching at classes and seminars, assistance in final examinations and co-supervision of M. Sc. equivalent students
- 1991 Lecturer (seminars and practicals) at the International Course “Algal ecology: methods for sampling and analysis” organized by the International Marine Centre of Oristano.

Supervision

PhD Students as main supervisor (succesfully completed or ongoing theses)

- 2020-date Anjali Gopakumar - Ecosystem functions and services of restored salt marshes in urban seascapes (co-supervisor K. Dafforn)
- 2018-date Ferrante Grasselli - Development of biomimetic surfaces for the eco-compatible design of port seawalls and other maritime infrastructures
- 2018-date Paolo Comandini - Effects of stochastic events (heat waves, anoxia and water levels) on the development of benthic communities and vegetated shore-lines in coastal waterbodies with limited tidal regime across Europe (co-supervisor TJ Bouma)
- 2016-2019 Stefania Piarulli - The role of biological processes in affecting the dynamics and fate of microplastics in coastal marine systems (co-supervisor Gunnar Gerdts)
- 2014-2017 Veronica Lo - Identifying relationships between ecosystem attributes (diversity, functioning and services) and human pressures in salt marshes (co-supervisors TJ Bouma & C Van Colen)
- 2014-2017 Roberto Buonomo - Genetic background, range shifts and associated microbial responses of canopy algae under changing environment (co-supervisors EA Serrão, AH Engelen)
- 2013-2016 Francesco Paolo Mancuso - Effects of local and global stressors on the status and future persistence of intertidal canopy-forming algae (co-supervisor O De Clerck)
- 2012-2015 Joanne Xiao Wen Wong - Analysis of cumulative effects of multiple stressors on saltmarshes and consideration of management options (co-supervisors C van Colen, M Vincx, MW Beck)
- 2010-2013 Filippo Ferrario - Analysis and development of ecologically based approaches to coastal defense (co-supervisor MW Beck). Now post-doc at Laval University, Canada
- 2009-2013 Giulio Franzitta - Effects of artificial defences and flooding on coastal habitats and assemblages. Now post-doc at University of Palermo
- 2001-2004 Francesca Bacchiocchi - Structure, distribution and variations of intertidal epibiota associated with human-made structures in the North Adriatic Sea. She is coauthor on 4 publications in ISI journals, one of which highly cited (most cited paper in the journal *Est*

Coast and Shelf Sci since 2002). Now Environmental Manager at the Municipality of Forli (Italy).

PhD students as co-supervisor (succesfully completed theses)

- 2013-2016 Fabrizio Gianni - Conservation et restauration écologique des forêts marines Méditerranéennes (Universite Nice Sophia Antipolis, main supervisor Dr. L Magialajo)
- 2013-2016 Patricia Martí Puig - Genetic and morphological features of *Patella caerulea* and *Patella rustica* across Mediterranean marine protected areas (main supervisors M Ponti and M Abbiati)
- 2012-2016 Silvia Angelini - Towards an ecosystem approach to fisheries for *Nephrops norvegicus* and *Merluccius merluccius* inhabiting the Central Adriatic Sea (main supervisor A. Santojanni)

Post-doctorate fellows

- 2020-2022 Md. Masum Billah
- 2020-2021 Joanne Xiao Wen Wong
- 2017-2018 Francesco Paolo Mancuso, now at Trieste University
- 2015-2017 Joanne Xiao Wen Wong, now independent environmental advisor in Switzerland
- 2013-2015 Stefanie Broszeit, now at Plymouth Marine Lab, UK
- 2011-2013 Elisabeth M Strain. Now Researcher at the University of Tasmania, Australia.
- 2013-2014 Filippo Ferrario, now Post-doc at Laval University, Canada
- 2009-2010 Giovanni Fontana now employed at Micoperi, a leading contractor in the offshore Oil & Gas Industry
- 2008-2009 David Balata, now independent environmental Researcher
- 2008-2010 Shimrit Perkol Finkel, was a prestigious Marie Curie Fellow at my laboratory. She is now leading her own company specialised in the construction of sustainable marine infrastructures (SeArc – Ecological Marine Consulting which developed the ECOcrete technologies). She is a leading member of the SCAPE TEAM \$60M winning solution in the "Rebuild by Design" Competition for rebuilding the New York frontshore and winner of the Fuller award. She recently won a series of prestigious Prizes as innovator woman of the year.
- 2008 Andrew Irving, now Associate Professor at the CQUniversity Rockhampton, Australia
- 2003-2004 Fabio Bulleri, now Associate Professor at Pisa University, Italy
- 2002-2003 Norma A López Gómez, now Associate Professor at Universidad Nacional Autonoma de Mexico, Mexico

Researcher assistants

- 2019-2020 Beatrice Romagnoli
- 2017-2018 Paolo Comandini
- 2013-2016 Elena Piccioni
- 2009-2010 Filippo Ferrario
- 2003-2004 Maria G Branca
- 2001-2003 Joelle Anderson

Master Students

- 2020 Manuel Perin
- 2020 Martina Bernardi
- 2020 Francesca Leggieri
- 2019 Simona Rovera
- 2019 Federica Maria Laface
- 2019 Francesca Leggieri
- 2018 Beatrice Romagnoli
- 2017 Sara Scapinello
- 2017 Francesco Mugnai
- 2017 Matteo di Bitonto

2017 Paolo Comandini
2017 Stefano Tamai
2017 Gaia Covato
2016 Lorenzo Savelli
2016 Stefania Piarulli
2015 Lorenzo Gadoni
2015 Giulia Finotti
2013 Elena Piccioni
2013 Guida Michela Piva
2013 Laura Veerbeck
2013 Andrea Magnani
2013 Maria Grandinetti
2012 Walter Dellisanti
2011 Simone Tedeschi
2011 Fabrizio Gianni
2011 Carmelina D'Agnano
2011 Arianna Lorusso
2010 Valentina Nicotera
2010 Serena Sgarzi
2010 Ilaria Musci
2010 Federica Camisa
2009 Vincenzo Motta
2008 Roberto Balzano
2008 Mauro LoCascio
2007 Francesco Colosio
2006 Elisa Sgambellone
2003 Nicoletta Liverani
2003 Sara Lunghi
2003 Amedeo di Paoloantonio
2002 Pietro Napolitano
2001 Elisa Camorani
1997 Francesco Lenzi
1997 Andrea Vannucci
1994 Francesca Padula
1994 Fabio Rindi

Bachelor students >50 students

Trainees

2015 Ida Sangermano. Professional training (5 mo) on seaweed ecology funded by the University of Calabria

Visitors

Barbeito I (Research visitor, Institut national de la recherche agronomique, Nancy, France, 12 mo)

Eliza Heery (PhD student, University of Washington, 1 mo)

Seip KL (Reserch visitor, Oslo & Akershus Univ College for Applied Sciences, Norway, 1 mo)

Thomson RJ (Research visitor, University of Tasmania, Australia, 12 mo)

Terlizzi D (Research visitor, University of Maryland, USA, 4 mo)

M. Rius (PhD student, University of Barcellona, Spain 4mo)

A. Sundelöf (PhD student, Goteborg University, Sweden, 2mo)

M.G Matias (MSc Student, University of Azores, Portugal, 2mo)

GE Ferrando (MSc Student, University of Toulouse, France, 2mo)

SERVICE

Over the years, I have developed a proven ability to mentor and oversee students and young researchers, complete projects in a timely manner, manage resources and maintain a budget. Since I became Associate Professor in 2011, I have played a growing active role in UniBo at a variety of levels, serving several committees and boards and contributing to research dissemination, teaching and curriculum development. I also serve as Representative for the University of Bologna at numerous international and national Networks, such as EUROMARINE, CONISMA, MARES, the Ocean Past Platform, KNEU, NAGISA etc (this activity has been already described under ‘Research Networks, Platforms and Working Groups’ or under the ‘Professional distinctions’).

Research related service

- 2020 Board of Directors Representative for the University of Bologna, CONISMA (<http://www.conisma.it/en/organization/>)
- 2017-2020 Member of the Research Task Board of the Department of Biological, Geological and Environmental Sciences, established to guide, evaluate and launch the research activities of the Department
- 2017-2020 Vice-Coordinator of the Doctoral (PhD) School in Sciences of Life, Health and Environment at the University of Bologna
- 2016-2020 Coordinator, Focal Working Group on Coastal Vulnerability and Resilience, University of Bologna, Italy (this is a small team directly selected by the Rector to launch Marine Research at UniBo)
- 2016-2020 Scientific Board Fellow, Institute of Advanced Sciences, University of Bologna, Italy. This is a particularly prestigious board, as ISA is a branch of the Institute of Superior Studies, which promotes and organizes international and interdisciplinary research activities.
- 2014-2018 Coordinator of the International Relationship Activities for the Degree of Marine Biology, Bologna University
- 2013-2018 Responsible of the Commission for the organisation and evaluation of practical training activities for the Master Degree in Marine Biology, Bologna University
- 2013-date Steering Committee member, Ravenna campus libraries, University of Bologna
- 2011-date Member of the Reference Scientific Community of the Zoological Station Anton Dorn, Napoli, Italy
- 2009-2020 Member of the steering board of the PhD Programme in Science of Health, Life and Environment (formerly Biodiversity and Evolution) at Bologna University. This includes co-directing the PhD with the other members and supervising as doctoral committee member about 5-8 PhD students per year

Teaching related service

- 2013 Head of the Commission for the final release of the Bachelor Degree in Biology, Bologna University
- 2009-2014 Permanent Member of the Commission for the final release of the Master Degree in Marine Biology, Bologna University
- 2008-date Member of the Commission for the organization and evaluation of practical training activities for the Bachelor Degree in Biology, Bologna University
- 2005-date Member (on occasional basis) of several Commissions for the final release of the Degrees in Biology, Natural Sciences or Environmental Sciences, Bologna University
- 1992-1997 Member (on occasional basis) of the Commission for the final release of the Degrees in Biology, Pisa University

OUTREACH

I am regularly invited to participate at public events and give presentations on issues related to the conservation and restoration of marine ecosystems, climate change effects, eco-engineering and

nature based solutions. I am also very active in engaging with public local authorities and schools. Some of the most notable initiatives that I have organised or in which I have been involved include:

- 2020 Participant of the 5x1000 spot of the University of Bologna for the year 2020 focusing on sustainability: website (<https://site.unibo.it/5x1000/it>) and video (https://www.youtube.com/watch?v=n3Qn_ZtSWTE&feature=youtu.be)
- 2019 Member of the Scientific Committee of the Green –Green Europe party of the region Emilia Romagna
- 2019 Invited panelist to the debate “How is Ecology contributing to the accomplishment of the SDG’s?” held during the 15th EEF Congress. This produced a final public document entitled “The Responsibility of Ecologists” (<http://www.speco.pt/pt/iniciativas/265-the-responsability-of-ecologists-en>)
- 2017-2018 Key Advisory Team Member for the “Dimensions of Citizenship” concept package of the SCAPE / Landscape Architecture DPC for the 16th International Architecture Exhibition Biennale di Venezia (Venice, 26 May - 25 November 2018) focusing on dimensions of ecological citizenship through the lens of regional indicator species, their demise and (potential) resuscitation in marine urban areas.
- 2017- Engaged in the outreach activities related to the Tavolo Mare activities of the University of Bologna for which I coordinate the restoration and coastal resilience working group. This has involved public presentations focusing on blue growth and sustainability in both political/governance context (i.e. at the MISE, Ministry of Economic Development) as well as public contexts (e.g. Chamber of Commerce at Ravenna).
- 2016 - Engaged in the outreach activities related to the World Harbour Project initiative. These have involved numerous scientific seminars (e.g. to local authorities) and public presentations (including two public seminars at the Ravenna Ambiente public event - 17,18,19 May 2017 - and at the World Ocean Day Ravenna, 8 June 2017), as well as the set up of a social survey about the expectations of the citizens related to harbour quality and ecoengineering. This work was recently dedicated a whole journal page on the main local newspaper (Il Resto del Carlino)
- 2013 Co-Organiser (with L. Schippa) of the public workshop “Ecological based solutions to coastal management and flood hazard mitigation: examples and relevance to the Emilia Romagna region” (13 December 2013, Comacchio, Italy)
- 2010-2015 Steering Committee member, in support of the activities of the University for Senior Training "Giovanna Bosi Maramotti", Ravenna (dedicated to the free training of adults)
- 2009-2010 President of the Environmental Forum of the Democratic Party in the Province of Ravenna. During these two years I participated to and often lead numerous public debates, meetings, events concerning a variety of environmental issues.
- 2008 Organisation and coordination of the initiative “Predicting changes in a changing world” (ISA Topic 2008) comprising 13 seminars, workshops, and public events aiming at encouraging the scientific debate and promoting the public awareness of the threats related to global changes of coastal marine systems. Invited speakers included among others SR Palumbi, SJ Hawkins, MW Beck, MJ Anderson, F Boero (January-October 2008). The activities lasted one year, and had extensive coverage on the media

FULL PUBLICATION LIST⁵

Submitted

⁵Underline denotes students (PhD, Master, Bachelor), Postdocs or visiting scholars I have mentored. *Italics* denotes when I am corresponding author. [§] Denote papers with >100 citations

- 1 - Riquet F, De Kuyper CA, Fauvelot C, Airoidi L, Planes S, Frascchetti S, Mačić V, Milchakova N, Mangialajo L, Bottin L. Strong genetic differentiation in the Mediterranean and Black Seas supports restricted dispersal in the canopy-forming brown seaweed *Gongolaria barbata*. *Journal of Phycology*
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- 153 - **Airoidi L.**, F. Padula, F. Rindi, F. Cinelli, 1993 - Modificazioni temporali e fenologia riproduttiva di un popolamento algale fotofilo del litorale livornese. *Biol. Mar. Medit.*, 1: 225-229.
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Technical Reports and non-refereed publications

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- 157 - **Airoidi L**, Piarulli S, Zapatapino T, Van Colen C, Vanhove B, Moereels L, Moens T. 2019. D 3.4 Experimental data on the effect of MP transferred from low to higher trophic levels. Piarulli S, Van Colen, **Airoidi L** (eds) Plastox Project Deliverable 3.4 to JPI Ocean, pp 18
- 158 - **Airoidi** et al 2018. D3.2 Experimental data on the effect of MP characteristics on ingestion rates; report; Piarulli S, **Airoidi L** (eds) Plastox Project Deliverable 3.2 to JPI Ocean, pp 29
- 159 - **Airoidi L**, Piarulli S, Wong JXW, Granberg M, Magnusson K, Van Colen C, Vanhove B, Bessa F, Sobral P, van Franeker JA. 2017. Qualitative and quantitative information on the distribution of MPs in key species at different trophic levels. Piarulli S, Magnusson K, **Airoidi L** (eds) Plastox Project Deliverable 3.1 to JPI Ocean, pp 43
- 160 - Rockmann C, M Stuiver, SWK van den Burg, B Zanuttigh, F Zagonari, **L Airoidi**, E Angelelli, R Suffredini, G Franceschi, G Belloti, Jan Joost Schouten, T Soderqvist, R Garcao, RG Garcia, J Martinez, OS Petersen, NA Ahrensberg. Multi-use platform solutions in the North Sea, Baltic Sea, Atlantic and Adriatic Sea. Mermaid Project Report ID 2.4 to the European Commission, pp 109
- 161 - **Airoidi L**, Møhlenberg F. Marina Evriviadou, Carlos Jimenez Birte Hansen AUEB: Osiel González Dávila, Stefanie Broszeit, Nilay Elginöz, Yukiko Krontira 2016 – EIA of energy converters. EIA Manual for MUOP (Multi use offshore platforms). **Airoidi L**, Møhlenberg F. (editors). Mermaid Project Report ID 3.5 to the European Commission, pp 47
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- 179 - Airoidi L, Beck MW, 2005 - Status and trends for coastal marine habitats of Europe: distribution of primary habitats, threats, losses and protection measures. Final Report of the Project “Status & Trends for Coastal Marine Habitats of Europe & Identification of Potential Agency and NGO Partners” to The Nature Conservancy, pp 62
- 180 - Willis T.J., R. Passaro, C. Borsini, S. Santin, S. Tisselli, M.J. Anderson, **L. Airoidi**, M. Abbiati, 2005 - A regional-scale approach to assessing the effects of gas platforms on macrobenthos in the north-western Adriatic Sea. Final Report of the Project BIOMARE “Project for the development of methodologies for monitoring the impact of off-shore structures in the northern Adriatic”, ENI, E & P Division, AMTE Dept & C.I.R.S.A. University of Bologna.
- 181 - **Airoidi L.**, F. Cinelli, 1994 - Introduzione e diffusione in Mediterraneo di specie algali alloctone. *Quaderni dell'Acquario di Livorno*, **1**: 11-17
- 182 - Dando P. et al. (including **Airoidi L.**), 1995 - Oxic-anoxic interfaces as productive sites. Final Report, volumes 1 and 2; European Union, contract MAS2-CT93-0058 .
- 183 - Cognetti G., Cinelli F., Castelli A., Curini-Galletti M., Lardicci C., Abbiati M., Maltagliati F., Benedetti Cecchi L., **Airoidi L.**, 1992. *Attraversamento in alveo dello Stretto di Messina. Studio di impatto ambientale. Il benthos*. Vol.4: 1-533; SNAM Progetti, Milano.

- 184 - F. Cinelli, G. Pardi, I. Papi, L. Benedetti Cecchi, A. Proietti Zolla, F. Padula, S. Acunto, M. Castellazzi, **L. Airoidi**, M. Abbiati, 1992 - *Mappatura delle praterie di Posidonia oceanica (L.) Delile intorno alle isole minori dell'Arcipelago Toscano*. Relazione finale: 1-129; Ministero della Marina Mercantile.
- 185 - **Airoidi L.**, 1991 - La sperimentazione sul campo come strumento di ricerca per lo studio delle comunità bentoniche: la manipolazione sul campo delle variabili chimico-fisiche. In: M. Abbiati (ed.): *Lezioni del Corso Formativo per Ricercatore Scientifico Subacqueo*

Conference abstracts⁷

Plenary and Keynote presentations

- 186 - **Airoidi L.** 2019. Seaweed conservation and restoration under rapid global change. Plenary, 7th European Phycological Congress (25 to 30 August 2019 Zagreb, Croatia)
- 187 - **Airoidi L.** 2019. Solutions for increasingly urban oceans. Plenary, 15th European Ecological Federation (29 July-2 August 2019, Lisbon, Portugal)
- 188 - **Airoidi L.** 2019. Discovering, understanding and sustaining marine ecosystems along increasingly artificial coastlines. Plenary, Netherlands Annual Ecology Meeting (12-13 February 2019)
- 189 - **Airoidi L.** 2018. The challenges of maintaining functional intertidal ecosystems for coastal protection under escalating local and global stressors in urbanised coastal regions. Keynote, Second International Workshop on Eco-shoreline Designs for Sustainable Coastal Development (28-31 May 2018, Hong Kong)
- 190 - **Airoidi L.** 2017. Changing urban waterfronts: learning from the past to build the future. Keynote, Journées du GIS d'Histoire & Sciences de la Mer (Nice, France, 22-24 Mars 2017)
- 191 - **Airoidi L.** 2017. Developing ecosystem-based solutions for resilient European harbours and coastal waterfronts. Plenary, EuroMarine event "Blue Science for Blue Growth" at the EU Parliament (Brussels, Belgium, 8 February 2017)
- 192 - **Airoidi L.** 2016 - Fostering marine conservation where people live. Plenary, "XIX Iberian Symposium of Marine Biology Studies" (Porto, Portugal, 5-9 September 2016)
- 193 - **Airoidi L.** 2016. Ecologically sensitive approaches to coastal defence - challenges and opportunities. Keynote, 5th International Ecosummit – Ecological sustainability, engineering change (Montpellier, France, 29 August-1 September 2016)
- 194 - **Airoidi L.** 2016. Habitat Restoration. Keynote, STRANGE workshop organised within the 11 Temperate Reef Symposium with the support of EUROMARINE (26 June 2016, Pisa, Italy)
- 195 - **Airoidi L.** 2016. Changing coasts: learning from the past to build the future. Keynote, EuroScience Open Forum (Manchester, UK, 23-27 July 2016)
- 196 - **Airoidi L.** 2016. Corridors for aliens but not for natives: challenges and opportunities of an ecologically-based design of marine infrastructures. Plenary, "9th International Conference on Marine Bioinvasions – ICMB" (Sydney, 19-21 January 2016)
- 197 - **Airoidi L.** 2015. Conservation and revitalisation of marine ecosystems in human-dominated seascapes. Plenary, "International Conference on Mediterranean Marine Protected Areas: Integrated Management as a Response to Ecosystem Threats" (Ancona, Italy, 15-17 October 2015)
- 198 - **Airoidi L.** 2015. Integrating green engineering into conservation and restoration projects for coastal urban areas. Keynote, Aquatic Biodiversity and Ecosystems Conference (Liverpool, UK, 30 August - 4 September 2015)
- 199 - **Airoidi L.** 2015. Vanishing forests of canopy algae: a global problem with local solutions? Keynote, 6th European Phycology Congress (London, UK, 23 - 28 August 2015)
- 200 - **Airoidi L.** 2015. Loss, conservation and restoration of marine ecosystems in the anthropocene. Plenary, X Biofouling-Benthic Ecology Meeting (Arraial do Cabo, Brasil, 27-31 July 2015)
- 201 - **Airoidi L.** 2013. Coastal marine habitats - status and conservation needs. Plenary, WiGreen Forum on Environmental Sustainability (Fondazione Riccardo Catella, Milano, Italy, 14 February 2013)

⁷ *Underline denotes when I was presenter. Plenaryes and keynotes are reported separately under a dedicated session in Research*

- 202 - **Airoidi L.** 2009. Status and trends of mussel bed and oyster reef condition in the Mediterranean Sea, as well as western and northern Europe. Keynote, International Marine Conservation Congress (Washington, USA, 17-24 May 2009)
- 203 - **Airoidi L.** 2006 - Habitat loss across Europe", Keynote, 1st European Congress for Conservation Biology (Eger, Hungary, 22-26 August 2006)
- 204 - **Airoidi L.** 2001 - Evaluation of the impact of coastal defence structures at a European scale: the case of the North Adriatic Sea". Keynote, XII Rassegna del Mare - Mareamico (2-4 March 2001 Ravenna, Italy)
- 205 - **Airoidi L.** 1999. Determinants of spatial dominance and coexistence of algal crusts and turfs. Keynote, 2nd Asia Pacific Phycological Forum (21-25 June 1999, Hong Kong)

Other abstracts (mostly oral presentations)

- 206 - Piarulli S, Scapinello S, Primke S, Gerds G, **Airoidi L.** 2019. Filter - feeders as aggregator of microplastics in the marine system: A field experimental study. International Conference on Microplastic Pollution in the Mediterranean Sea (Capri, Italy, 15-18 September 2019)
- 207 - **Airoidi L.** & Piarulli S. 2018. WP3 proceedings: Microplastic uptake, accumulation and food web transfer. MICRO2018 International conference - Fate and impacts of microplastics: knowledge, actions and solutions, Arrecife (Lanzarote, Spain, 19-23 November 2018), Conference Proceedings (Eds. Baztan J., Bergmann M., Carrasco A., Fossi C., Jorgensen B., Miguelez A., Pahl S., Thompson R.C., Vanderlinden J-P.)
- 208 - **Airoidi L.**, Piarulli S. Gerds G, Booth A 2018. Quantifying trophic transfer. MICRO2018 International conference - Fate and impacts of microplastics: knowledge, actions and solutions, Arrecife (Lanzarote, Spain), 19-23 November 2018, Conference Proceedings (Eds. Baztan J., Bergmann M., Carrasco A., Fossi C., Jorgensen B., Miguelez A., Pahl S., Thompson R.C., Vanderlinden J-P.), ISBN 978-84-09-06477-9, p. 92
- 209 - Booth A, **Airoidi L.** and the PLASTOX consortium for JPI Oceans. 2018. Uptake and Accumulation of microplastic. MICRO2018 International conference - Fate and impacts of microplastics: knowledge, actions and solutions, Arrecife (Lanzarote, Spain, 19-23 November 2018), Conference Proceedings (Eds. Baztan J., Bergmann M., Carrasco A., Fossi C., Jorgensen B., Miguelez A., Pahl S., Thompson R.C., Vanderlinden J-P.)
- 210 - Piarulli S, Zanni E, **Airoidi L.** 2018. Transfer of microplastics from the water column to sediments by the suspension-feeder *Mytilus galloprovincialis* MICRO2018 International conference - Fate and impacts of microplastics: knowledge, actions and solutions, Arrecife (Lanzarote, Spain, 19-23 November 2018), Conference Proceedings (Eds. Baztan J., Bergmann M., Carrasco A., Fossi C., Jorgensen B., Miguelez A., Pahl S., Thompson R.C., Vanderlinden J-P.), ISBN 978-84-09-06477-9, p. 219
- 211 - Potts J, Mayer-Pinto M, Bugnot AB, Ushiyama S, Strain EM, Glasby T, Scanes P, **Airoidi L.** Johnston EL, Dafforn KA. 2017. Can we enhance community metabolism and nutrient cycling in urbanised estuaries by eco-engineering coastal infrastructure? 24th Biennial CERF Conference (Rhode Island, USA, 8 November 2017)
- 212 - Piarulli S, Wong JXW, Scapinello S, Comandini P, Catelli E, Scitutto G, Mazzeo R, **Airoidi L.** 2017. Microplastics occurrence in the gastrointestinal tract of key marine invertebrates at different trophic levels from the North Adriatic coast. International Conference of Microplastics Pollution in the Mediterranean Sea (µMED) (26-29 September 2017, Capri, Italy).
- 213 - **Airoidi L.** 2016 - Ecologically Sustainable approaches to the design of ports and waterfronts – which opportunities for the North Adriatic sea?. Invited speech at the International RemTech Expo 2017 (20, 21, 22 Settembre, FerraraFiere, Ferrara, Italy www.remtechexpo.com)
- 214 - Buonomo R, Chefaoui R, Bermejo R, Engelen A, Serrao E, **Airoidi L.** 2016. Marine canopies in a changing environment: projecting the distribution of species of *Cystoseira* under alternative climatic scenarios. Gruppo Lavoro Algologia (Ravenna, Italy, 18-19 November 2016)
- 215 - M Mayer Pinto, A. Bugnot, **L Airoidi**, TM Glasby, EL Johnston, KA Dafforn, 2016. Building 'blue': An eco-engineering framework for urban seascapes. 5th International Ecosummit – Ecological sustainability, engineering change (Montpellier, France, 29 August-1 September 2016)

- 216 - KA Dafforn, TM Glasby, **L Airoidi**, NK Rivero, M Mayer Pinto, EL Johnston 2016. Application of management tools to integrate ecological principles with the design of marine infrastructure. 5th International Ecosummit – Ecological sustainability, engineering change (Montpellier, France, 29 August-1 September 2016)
- 217 - Materassi M, Dalmazzone S, **Airoidi L**, Bulleri F, Focardi S, Frontuto V. 2016. *Cystoseira* vs Turf Algae: Inter-Algal Competition via a Population Dynamics Model with Pack Behaviour. Chaos 2016, 23-26 May 2016 London UK
- 218 - Van Colen C, Booth A, Sakaguchi-Söder K, Sobral P, Airoidi L, Sempere R, van Franeker J, Magnusson K, Doyle T, Morrison L, Salaverria I, Herzke D, Orbea A, Wing Gabrielsen G, Nies H, Galloway T, van Oyen A. 2016. PLASTOX: Direct and indirect ecotoxicological impacts of microplastics on marine organisms. North Sea Open Science Conference, Oostend, Belgium, 7-10 Nov 2016
- 219 - Sempere R, Booth A, Sakaguchi-Söder K, Sobral P, **Airoidi L**, van Franeker J, Magnusson K, Doyle T, Morrison L, Salaverria I, Van Colen C, Herzke D, Orbea A, Wing Gabrielsen G, Nies H, Galloway T, van Oyen A. 2016. Microplastics and associated contaminants in the Ocean, a major issue: The Plastox JPI European project. Future Earth Oceans Knowledge-Action Network Workshop (Kiel, Germany 4-5th Dec 2016) Poster
- 220 - Booth A, K Sakaguchi-Söder, P Sobral, **L Airoidi**, R Sempere, JA Van Franeker, K Magnusson, T Doyle, I Salaverria, C Van Colen, D Herzke, A Orbea, G Wing Gabrielsen, H Nies, T Galloway. 2016. PLASTOX: Direct and indirect ecotoxicological impacts of microplastics on marine organisms. MICRO2016 conference (Lanzarote, Canary Islands, Spain 25-27 May 2016) Poster
- 221 - Piarulli S, Pereyra R, Johannesson K, Airoidi L, 2016. Divergence patterns in *Fucus* seaweeds (Phaeophyceae) from marginal ecosystems based on the integrative taxonomy perspective. 11^o International Temperate Reef Symposium (26-30 June 2016, Pisa, Italy) Poster
- 222 - **Airoidi L**. 2015. Winners and losers in expanding marine urban habitats: can we do it better? Second Mares Conference on Marine Ecosystems Health and Conservation, 1-5 February 2016, Olhão, Portugal
- 223 - **Airoidi L**, E. M Strain, V Frontuto, S Dalmazzone. 2015. Besides mitigation and adaptation: managing for synergistic interactions between local and global stressors as a resilience approach to climate change policies. 13th European Ecological Federation (EEF) and 25th Italian Society of Ecology's (S.It.E.) joint conference Ecology at the Interface. 21-25 September, Rome, Italy
- 224 - **Airoidi L**, Dafforn KA, Ferrario F, Firth L., Glasby TM, Mayer-Pinto M, Perkol-Finkel S., Rivero NK, Johnston EL. 2015. Integrating green engineering into conservation and restoration projects for coastal urban areas. Aquatic Biodiversity and Ecosystems Conference, Liverpool 30th August - 4th September 2015
- 225 - Ferrario F, Iveša L, Strain B, Perkol-Finkel S, **Airoidi L**. 2015. Do ecological factors create non-convergent trajectories? Canopy-forming algae on artificial structures vs. natural rocky reefs. *Oral communication. Atlantic Canada Coastal and Estuarine Science Society 10 - 12 May 2015, St. Andrews, New Brunswick (Canada).*
- 226 - Ferrario, F., Ivesa, L., Strain, B., Perkol-Finkel, S., **Airoidi L**. 2015. Why marine artificial structures differ from natural rocky reefs? Ecological factors determining their quality as artificial habitats for epibiota. 44th Benthic Ecology Meeting, 4 – 7 March, Quebec City, Canada
- 227 - Turon X, **Airoidi L**, Perkol-Finkel S, Rius M. 2014. Corridors for aliens but not for natives: filtering effects of marine urban sprawl at a regional scale. International Invasive Sea Squirt Conference V: The biology, biogeography, ecology and impact of invasive ascidians^[1]_{SEP} (29-31 October 2014, Woods Hole, USA)
- 228 - **Airoidi L**, Strain EMA, van Belzen J, Bouma TJ, van Dalen J, Mancuso P, Micheli F, Thomson R. 2014 - Identifying effective management scenarios for multiple human stressors: an example with Mediterranean canopy-forming seaweeds. First Mares Conference on Marine Ecosystems Health and Conservation, 17-21 November, Olhão, Portugal
- 229 - Mancuso FP, Sarà G, Bouma TJ, De Clerck O, **Airoidi L**. 2014. Effects of extreme heat wave

- event on intertidal Mediterranean canopy-forming algae. First Mares Conference on Marine Ecosystems Health and Conservation, 17-21 November 2014, Olhão, Portugal
- 230 - Wong JXW, van Colen C, **Airoidi L.** 2014 - Different susceptibility of saltmarsh vegetation and soils to sea level rise and eutrophication, First Mares Conference on Marine Ecosystems Health and Conservation, 17-21 November 2014, Olhão, Portugal
- 231 - Lo V, van Colen C, Bouma TJ, **Airoidi L.** 2014 - Impacts of eutrophication on salt marsh ecosystem functioning in Grado Lagoon, Italy, First Mares Conference on Marine Ecosystems Health and Conservation, 17-21 November 2014, Olhão, Portugal
- 232 - **Airoidi L.**, Ballesteros E, Buonuomo R, van Belzen J, Bouma TJ, Cebrian E, De Clerk O, Engelen AH, Ferrario F, Frascchetti S, Gianni F, Guidetti P, Ivesa L, Mancuso FP, Micheli F, Perkol-Finkel S, Serrao EA, Strain EM, Mangialajo L, 2014 - Marine forests at risk: solutions to halt the loss and promote the recovery of Mediterranean canopy-forming seaweeds. 5th Mediterranean Symposium on Marine vegetation (RAC/SPA) Portorož, Slovenia, 27-28 October 2014
- 233 - Mancuso FP, Sarà G, Strain EM, **Airoidi L.** 2014. Effects of extreme heat wave events on intertidal Mediterranean canopy algae. XXIV Congresso S.It.E., 15-17 September 2014, Ferrara, Italy
- 234 - **Airoidi L.**, Strain EMA, van Belzen J, Bouma TJ, van Dalen J, Mancuso P, Micheli F, Thomson R. 2014 - Management of local human stressors enhances the resilience of marine habitats to global stressors: the example of Mediterranean canopy-forming seaweeds. XXIV Congresso S.It.E., 15-17 September 2014, Ferrara, Italy
- 235 - Ferrario F, Iveša L, Strain E, Perkol-Finkel S, **Airoidi L.**, 2014 - Coastal defense structures: Ecological factors determining their quality as artificial habitats for epibiota. Genomes to/aux Biomes 2014. 25-29 May 2014, Montreal, Quebec, Canada
- 236 - **Airoidi L.** 2014 - conservation and restoration of forests of canopy-forming algae. Marine Ecological Restoration (MER) Workshop. 22-26 June 2014, Eilat, Israel
- 237 - **Airoidi L.** 2014 - Integration of man-made structures into conservation and restoration projects. Marine Ecological Restoration (MER) Workshop. 22-26 June 2014, Eilat, Israel.
- 238 - Wong JXW, Strain EM, **Airoidi L.** 2014 - Managing non-additive impacts of trampling and wrack on a stressed saltmarsh system. Workshop Ecological based solutions to coastal management and flood hazard mitigation: examples and relevance to the Emilia Romagna region. 13th December 2013 - Ex manifattura Marinati – Comacchio, Italy
- 239 - Strain EM, van Belzen J, van Dalen J, Bouma TJ, **Airoidi L.**, 2014 - Can management of local anthropogenic stressors improve the resilience of threaten habitats to global climate change? 10th International Temperate Reefs Symposium, 12-17 January 2014, Perth, Western Australia
- 240 - Strain EM, **Airoidi L.** 2013 Managing multiple stressors to enhance the resilience in threatened marine habitats. 98th ESA – Ecological Society of America - Annual Meeting 4-9 August 2013, Minneapolis, MN USA
- 241 - **Airoidi L.**, Ferrario F, Iveša L, Perkol-Finkel S, Strain E. 2013 Combining ecological principles to the design of marine infrastructures to preserve native biodiversity in marine urban seascapes. 26th International Congress for Conservation Biology, 21-25 July 2013 Baltimore, Maryland USA
- 242 - Kininmonth S, Örjan B, Stuart-Smith RD, Bates A, Lefcheck JS, Duffy JE, Baker SC, Thomson R, Stuart-Smith JF, Hill NA, **Airoidi L.**, Becerro MA, Galván DE, Irigoyen A, Campbell S, Dawson TP, Navarrete SA, Soler G, Strain EMA, Willis TJ, Cooper A, Crawford T, Edgar GJ. Effective governance of reef fisheries requires inclusion of regional socio-ecological networks. 3rd International Marine Protected Areas Congress. 21-25 October 2013, Marseille, France
- 243 - Gianni F, Bartolini F, **Airoidi L.**, Ballesteros E, Francoura P, Meinesz A, Thibaut T, Mangialajo L 2013 - The potential role of Marine Protected Areas in the conservation and restoration of Mediterranean marine forests. 3rd International Marine Protected Areas Congress. 21-25 October 2013, Marseille, France

- 244 - Wong JXW, Strain EM, **Airoidi L.** 2013 Managing non-additive impacts of trampling and disturbance from wrack in a highly human-stressed saltmarsh system. 10th Marine Biological Association Postgraduate Conference 2013, IBERS, Aberystwyth University, UK, May 2013.
- 245 - Ferrario F, Strain E, **Airoidi L** 2013 - The quality of marine infrastructures as habitats for epibiota: Grazing pressure on canopy forming algae in artificial structures vs. natural reefs. Oral communication. Incontro dottorandi Airol-SITE, 15 -18 April 2013, Milano, Italy
- 246 - Zanuttigh B, Zagonari F, Bagli S, Martinelli L, Colangelo M, Bozzeda F, **Airoidi L**, Pietrantoni L. 2012 Coastal vulnerability assessment in Cesenatico, northern Adriatic Sea, Italy. ECSA12, 3-7 June 2012 Venezia, Italy
- 247 - **Airoidi L**, Ferrario F, Iveša L, Bulleri F, Strain E, Perkol-Finkel S. 2012 Managing coastal defence structures to mitigate their impacts and elevate their ecological value. ECSA12, 3-7 June 2012 Venezia, Italy
- 248 - Franzitta G, **Airoidi L**, Rundle SD, Bilton DT, Baggini C, McCullough C, Thompson RC. 2012 Potential effect of flooding in estuaries: an experimental comparison of detritus decomposition at different salinity regimes. ECSA12, 3-7 June 2012 Venezia, Italy
- 249 - Ferrario F, Storlazzi C, Beck MW, Micheli F, **Airoidi L** – 2012. Ecosystem services and conservation: the role of coral reefs as an ecosystem-based adaptation to coastal hazards. ECSA12, 3-7 June 2012, Venezia, Italy
- 250 - Galván C, van Belzen J, Bouma T, Hoggart S, Strain E, Skov MW, Ondiviela B, Thompson RC, **Airoidi L**, Davies AJ From theory to practice: managing vulnerability of salt-marsh ecosystems across Europe. ECSA12, 3-7 June 2012 Venezia, Italy
- 251 - Connell SD, Foster MS, **Airoidi L.** 2012. Get off my turf: on whose ‘turf’ do we compare our labour? ASPAB (Australasian Society for Phycology and Aquatic Botany) Conference 12-15 November 2012, Adelaide, Australia
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