

Curriculum Vitae Bo Marzia



CURRICULUM VITAE DELL'ATTIVITA' SCIENTIFICA E DIDATTICA REDATTO AI SENSI DEGLI ARTT. 46 E 47 DEL D.P.R. 28.12.2000, N. 445 (DICHIARAZIONI SOSTITUTIVE DI CERTIFICAZIONI E DELL'ATTO DI NOTORIETA')

Personal information

Surname and Name	Bo Marzia
Addresses	1, Via G. Marconi, 16031, Bogliasco (GE), Italy (Home) Corso Europa 26, 16132, Genova (GE), Italy (Work)
Telephones	(+39 - 010) 353 80 19 (Laboratory) Mobile: (+39 - 333) 452 41 50
E-mail	marzia.bo@unige.it
Nationality	Italian
Date of birth	9 th March 1982

Occupational field

Marine Zoology (Taxonomy, Biology and Ecology)
Bibliometric data SCOPUS (18.09.2018): h-index: 17, Citations: 836
ORCID: 0000-0001-8400-6722
National Academic Qualification as Associate Professor (13/01/2014 - 13/01/2020) (Abilitazione Scientifica Nazionale, II Fascia, 05/B1)
National Academic Qualification as Full Professor (2017 - 2023) (Abilitazione Scientifica Nazionale, I Fascia, 05/B1)

Education and training

Dates	November 2005 - January 2009
Name and type of organisation providing education and training	Università Politecnica delle Marche
Title of qualification awarded	PhD Degree in Marine Biology and Ecology Thesis entitled: <i>Taxonomy and Ecology of Antipatharians</i>
Dates	October 2003 - July 2005
Name and type of organisation providing education and training	Università Politecnica delle Marche
Title of qualification awarded	Specialist Bachelor's Degree in Marine Biology, Curriculum Biodiversity and Marine Resources Management - 110/110 cum laude and Honours. Thesis entitled: <i>Sistematica ed Ecologia degli Antipatari (Cnidaria, Anthozoa) del Parco Marino di Bunaken (Nord Sulawesi, Indonesia)</i> Practical Stage (150 hours): Population structure of <i>Pholas dactylus</i> along the Conero Promontory. National enablement for the profession of Specialist Biologist (marine address) obtained in November 2005, during the second session of exams of the Faculty of Science, Università Politecnica delle Marche, Italy.

Dates	October 2000 - November 2003
Name and type of organisation providing education and training	Università Politecnica delle Marche
Title of qualification awarded	1 st Level Bachelor's Degree in Biology - Marine Biology Studies - 110/110 cum laude Thesis entitled: <i>Impatto del turismo subacqueo sulle comunità bentoniche di substrato duro</i> Practical Stage (120 hours): Sorting of micro and macrobenthos with the realization of museum preparations.
Dates	September 1996 - July 2000
Name and type of organisation providing education and training	European School of Varese
Title of qualification awarded	European Baccalaureate - 84.88/100
Professional activity	
Dates	28 June 2018 - 27 June 2021
Occupation or position held	Three-years Researcher B1/BIO05 (36 months) - n.2749 (D.M. 30.12.2010, N. 240; art. 24, comma 3, lettera a)
Name and address of employer	Prof. Paolo Comanducci, Università degli Studi di Genova, Via Balbi 5, 16126 Genova (GE) Italy
Main activities and responsibilities	Ecology and biology of shallow-water and deep water benthos of Mediterranean and tropical ecosystems. Major interests in the taxonomic revision of whip black coral species and the characterization of the twilight coral fauna of the Mediterranean deep-coralligenous assemblages
Type of business or sector	Scientific Research
Dates	4 May 2017 - 5 May 2017
Occupation or position held	Taxonomic expert and workshop responsible
Name and address of employer	Dr. Simona Cerrai, Agenzia Regionale per La Protezione Ambientale della Toscana, Dipartimento di Livorno, Via G. Marradi, 114, Livorno, Italy
Main activities and responsibilities	Workshop for the ARPAT technicians aimed at enhancing the knowledge on the taxonomy of the epimegabenthos collected by means of trawling.
Type of business or sector	Scientific consultancy
Dates	2 December 2016 - 31 December 2016
Occupation or position held	FAO Consultant
Name and address of employer	Ms Bingxin Chen, Food and Agriculture Organization of the United Nations, FIAFD Division, Viale delle Terme di Caracalla, 00153 Rome, Italy
Main activities and responsibilities	Support the development of two posters on the most common deep-sea sponges and corals occurring in the Mediterranean Sea.
Type of business or sector	Scientific consultancy
Dates	28 June 2016 - 27 June 2018
Occupation or position held	Two-years Researcher A1/BIO05 (24 months) SIR - n.3653 (D.M. 1.7.2011, N. 276; DD MIUR 25.6.2015, N. 1350)
Name and address of employer	Prof. Paolo Comanducci, Università degli Studi di Genova, Via Balbi 5, 16126 Genova (GE) Italy.
Main activities and responsibilities	Conduce a large-scale multi-disciplinary study focused on the benthic biocoenotic characterization, through ROV technology, of Tyrrhenian seamounts (200-900m). Genetic connectivity will be employed to study the degree of isolation of the mounts. The biology and ecology of the target species, (reproduction, trophic strategy, bacterial association) will be studied on deep continental rocky sholas of Liguria. Biocoenotic and vulnerability maps will be integrated in a GIS archive.
Type of business or sector	Scientific Research

Dates	28 June 2013 - 27 June 2016
Occupation or position held	Three-years Researcher A1/BIO05 (36 months) n. 321 (art. 24, comma 3, lettera a), DM 30.12.2010, N°240)
Name and address of employer	Prof. Giacomo De Ferrari, Università degli Studi di Genova, Via Balbi 5, 16126 Genova (GE) Italy.
Main activities and responsibilities	Ecology and biology of shallow-water and deep water benthos of Mediterranean and tropical ecosystems. Major interests in the taxonomic revision of whip black coral species and the characterization of the twilight coral fauna of the Mediterranean deep-coraligenous assemblages.
Type of business or sector	Scientific Research
Dates	14 September 2015 - 9 October 2015
Occupation or position held	Visiting researcher at USA Smithsonian National Museum of Natural History
Name and address of employer	Dr. Stephen Cairns, Department of Invertebrate Zoology, Smithsonian Institution, PO Box 37012, MRC 163, Washington, DC 20013-7012 (USA).
Main activities and responsibilities	Taxonomic revision of the whip Japanese black coral (<i>Antipatharia</i>) collection with a morphological approach based on optical and electronic microscopy.
Type of business or sector	Taxonomic research
Dates	18 October 2013 - 12 December 2013
Occupation or position held	3-months Freelance Consultancy (COCOPRO) for IUCN (International Union for Conservation of Nature).
Name and address of employer	Dr. Antonio Troya, IUCN Centre for Mediterranean Cooperation, C/ Marie Curie 22, PTA Campanillas, 29590 Malaga, Spain.
Main activities and responsibilities	Taxonomic revision of the Mediterranean Anthozoan list and compilation of the Mediterranean Red List for 11 anthozoan species (gorgonians and black corals).
Type of business or sector	Scientific Research
Dates	4 March 2013 - 6 May 2013
Occupation or position held	Visiting researcher at USA Smithsonian National Museum of Natural History
Name and address of employer	Dr. Stephen Cairns, Department of Invertebrate Zoology, Smithsonian Institution, PO Box 37012, MRC 163, Washington, DC 20013-7012 (USA).
Main activities and responsibilities	Complete taxonomic revision of the whip black coral (<i>Antipatharia</i>) collection with a morphological approach based on optical and electronic microscopy.
Type of business or sector	Taxonomic research
Dates	December 2012
Occupation or position held	Casual Work Contract
Name and address of employer	UBICA s.r.l., Via San Siro 6 int. 1, 16124 Genova, Italy
Main activities and responsibilities	Preparation of microscopical and macroscopical samples (protozoa, sponges, cnidarians, bivalves, cephalopods, echinoderms) for the laboratories of the Course of Zoology (Biological Sciences, aa. 2012-2013)
Type of business or sector	Academic support
Dates	28 March 2012 - 31 December 2012
Occupation or position held	Freelance Consultancy (COCOPRO) for CoNISMA (Consorzio Nazionale Inter-Universitario per le Scienze del Mare)
Name and address of employer	Ing. Annibale Cutrona, Via Isonzo, 00198, Roma, Italy.
Main activities and responsibilities	Participation to the MIPAF project "Use of ROV (Remote Operated Vehicle) in the applicative definition of the management plans for red coral (<i>Corallium rubrum</i>): management strategies for the species

conservation and evaluation of the compatibility of the resource with a potential commercial exploitation along the Italian coasts of the northern-central Tyrrhenian Sea”

Type of business or sector	Scientific Research
Dates	1 March 2012 - 27 June 2013
Occupation or position held	One-year Post-Doc (16 months) n. 98 (art. 22, Legge 240/2010)
Name and address of employer	Prof. Giacomo De Ferrari, Università degli Studi di Genova, Via Balbi 5, 16126 Genova (GE) Italy.
Main activities and responsibilities	Project “LivingStones: cryptic community of the Mediterranean coralligenous”. Collection and validation of the previous information related to the cryptic community of the Mediterranean coralligenous communities. Monitoring and experimentation in different localities of the Ligurian Sea. Taxonomic, ecologic and paleontological analysis of the data and re-organization of the information within a web platform.
Type of business or sector	Scientific Research
Dates	2 March 2011 - 31 October 2011
Occupation or position held	Freelance Consultancy (COCOPRO - BO_ETS010311) with 8-months grant
Name and address of employer	Dr. Monica Armeni, EcoTechSystems S.r.l., Via Caduti del Lavoro 27, 60131, Ancona (AN) Italy, C.F. / P. IVA 02154180422.
Main activities and responsibilities	Bibliographic research and work out of analytical protocols for the production of microbial isolates and metabolites within the project ULIXES (<i>Unravelling and exploiting Mediterranean Sea microbial diversity and ecology for Xenobiotics and pollutantS clean up</i>).
Type of business or sector	Scientific Research
Dates	1 January 2009 - 31 December 2010
Occupation or position held	Two-years Post-Doc (24 months) (art. 51, comma 6, Legge 449/1997)
Name and address of employer	Prof. Ing. Marco Pacetti, Università Politecnica delle Marche, Piazza Roma, 22, 60100, Ancona (AN) Italy.
Main activities and responsibilities	Study of the Mediterranean and tropical deep coral assemblages. Analysis of the species richness and ecology of some deep coral taxa, like antipatharians, gorgonians and zoantids. The program employs deep sampling methodologies (ROV) for the characterization of both the coralligenous and deep assemblages on a Mediterranean seamount (Vercelli Seamount). Co-financed by Ministry of Instruction and Research, PRIN 2007 project TySEc (<i>Tyrrhenian Seamounts ecosystems: an Integrated Study</i>) and by CenSeam.
Type of business or sector	Scientific Research
Dates	1 November 2005 - 29 January 2009
Occupation or position held	PhD with three-years fellowship
Name and address of employer	Prof. Ing. Marco Pacetti, Università Politecnica delle Marche, Piazza Roma, 22, 60100, Ancona (AN) Italy.
Main activities and responsibilities	Taxonomy of the Indo-Pacific shallow-waters antipatharians (Cnidaria, Anthozoa) through the observation of morphological and anatomical taxonomic characters. Ecological studies concerning both the diversity, distribution and competition mechanisms of the antipatharian fauna and their feeding, reproduction, growth, defences and symbiosis. Mediterranean studies (ROV) concerning deep antipatharians. Collaborations for phylogenetic analyses, chemical (skeletal composition) and mathematical (3D modelling) studies. Laboratory supervision of other thesis works, administrative organizational works and general logistic.
Type of business or sector	Scientific Research
Dates	1 April 2008 - 30 August 2008
Occupation or position held	5-months Freelance Consultancy (COCOCO) for Conisma (Consorzio Nazionale Inter-Universitario per le Scienze del Mare)
Name and address of employer	Ing. Annibale Cutrona, Via Isonzo, 00198, Roma, Italy.

Main activities and responsibilities	Member of the Taxonomy Task within the project MATTM_Marine Ecosystems 4 AMP (Scientific Coordinator: Prof. Cesare Corselli) for sponge sampling in the A and B Zones of the Marine Protected Areas of Porto Cesareo, Capo Rizzuto and Asinara (Italy). Sampling of the shallow-water coralligenous sponge assemblages through scuba dives for taxonomic studies.
Type of business or sector	Scientific Research
Dates	28 March 2008 - 1 June 2008
Occupation or position held	Tutor activity contract with 100-hours grant
Name and address of employer	Prof. Ing. Marco Pacetti, Università Politecnica delle Marche, Piazza Roma, 22, 60100, Ancona (AN) Italy.
Main activities and responsibilities	Collaboration for various educative activities, including practical laboratories within the course of Zoology, support for students and exams (aa 2007-2008).
Type of business or sector	Tutor activity
Dates	5 February 2007 - 1 June 2007
Occupation or position held	Tutor activity contract with 100-hours grant
Name and address of employer	Prof. Ing. Marco Pacetti, Università Politecnica delle Marche, Piazza Roma, 22, 60100, Ancona (AN) Italy.
Main activities and responsibilities	Collaboration for various educative activities, including practical laboratories within the course of Cytology and Histology, support for students and exams (aa 2006-2007).
Type of business or sector	Tutor activity

Personal skills and competences

Mother tongue

Italian

Other languages

Level	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	B1	B1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Certifications

- Linguistic certification released by the European School of Varese for English and German
- EF Language English Course, Bedgebury Park, UK, 1994
- DID Feriensprachkurs Deutsch, Marburg, Germany, 1995

Technical and computer skills

- Laboratory competences:
 - Sorting of micro and macrobenthos with the realization of museum preparations
 - Tissue preparations realized with the technique of paraffin inclusion, auto-polymerised resin inclusion and cryogel inclusion
 - Cellular preparations for the study of cnidocysts
 - Skeletal and polypar preparations realized with the Critical Point Drier technique for the SEM (scanning electron microscopy) observation
 - Sea water filtering for nano, pico and microplankton analysis
 - Preparation of permanent slides for tissues (cnidarian polyps and sponges) and spicules/sclerites (sponges and octocorals)
- Field and computer competences:
 - Plankton and benthos sampling and analysis of chemical-physical parameters through oceanographic devices, such as dredge, boxcorer, multicorer, grab, plankton nets, rosette, niskin

- Scuba sampling techniques: visual census, underwater photography, square sampling method, suction pump, long-term panels for succession studies
 - ROV techniques: visual census, sorting and identification of deep organisms. ROV imaging through ImageJ and Final Cut Pro Softwares, community structure data elaboration, ecological statistics. Elaboration of images from benthic landers.
 - ECDL (Basic concepts of IT, Files Management, Word, Excel, Access, PowerPoint, Internet), notions of Adobe Photoshop, Final Cut Pro, QuantumGIS and statistical software like PAST, STATISTICA, PRIMER, and ANOVA. Competences for both Windows and Mac.
- 24 oceanographic campaigns:

Project	Description
RAMOGE_ EXPLO2018	September 2018: Oceanographic survey on board of <i>Atalante</i> (Scientific Director Dr. Boris Daniel) within the project <i>Ramoge2018</i> to study the megabenthos along the French and Ligurian seamounts through the use of ROV.
SIR2015-2018	June - August 2018: Oceanographic surveys on board of <i>Daedalus</i> (Scientific Director Dr. Marzia Bo) within the SIR project <i>BioMount</i> and CONISMA project Marine Strategy (Module Deep-sea) to study the megabenthos along the Ligurian seamounts (150-1900m) through the use of Side Scan Sonar and ROV.
MARINE STRATEGY 2015-2018	August 2015-2016: Two oceanographic campaigns on board of the R/V <i>Astrea</i> (Scientific Director Prof. Bavestrello) within the MAATM-ARPAL Project Marine Strategy (Module coralligenous) to monitor the health status and distribution of coralligenous habitat in Liguria, 40-200m. Survey 2017-2018 with Colmar (Lorenzo Gionfra). ROV exploration and monitoring.
ECOSAFIMED 2014-2015	Two oceanographic campaigns on board of the R/V <i>Astrea</i> within the ENPI-EU-ECOSAFIMED Project (Scientific Director Dr. Bo) to study the fishing impact on deep populations in Ponza (August 2014) and Patti (October 2014). 50-300m ROV exploration.
Maledetti, Bergeggi AMP, 2012	June 2012: Research expedition along the Maledetti Shoal for red coral sampling. Centro Carabinieri Subacquei Genova (Head of Expedition: Marshal Duilio Lenzi). 40-90m ROV exploration.
Greenpeace 2012	One oceanographic campaign on board of the R/V <i>Astrea</i> within the Greenpeace Project <i>No-Drilling in the Sicily Channel</i> (Scientific Director Dr. Canese) to study and sample the deep populations of the Sicilian banks (July 2012). 20-200m ROV exploration.
Red Coral MIPAF 2012-2013	Two oceanographic campaigns on board of the R/V <i>Astrea</i> within the MIPAF project <i>Corallo Rosso</i> (Scientific Director Prof. Bavestrello) to study and sample the deep populations of <i>Corallium rubrum</i> (and other benthic invertebrates) along the Italian coasts of Liguria and Tuscany Archipelago (June-July 2012). 40-200m ROV exploration.
Red Coral Sardinia 2011-2013	Two oceanographic campaigns on board of the R/V <i>Astrea</i> within the MIPAF-Region SARDINIA project <i>Corallo Rosso</i> (Scientific Director Prof. Cau) to study the deep red coral populations of Sardinia (October 2011, July 2013). 20-200 m ROV exploration.
Red Coral MATTM 2010-2012	Five oceanographic campaigns on board of the R/V <i>Astrea</i> within the MIUR project <i>Corallo Rosso</i> (Scientific Directors Prof. Santangelo, Prof. Sandulli) to study and sample the deep populations of <i>Corallium rubrum</i> (and other benthic invertebrates) along the Italian coasts of Campania (Gulfs of Salerno and Naples) (July 2010, July 2012), Tuscany Archipelago (July 2010), Egadi Archipelago - Sicily (September 2011). 40-200m ROV exploration.
Biodiversity of Sicily Strait 2010	Two oceanographic campaigns (June and October 2010) on board of the R/V <i>Astrea</i> within the ISPRA project N° 1.3.452 <i>Biodiversity of the Sicily Strait</i> (Scientific Director Dr. S. Canese). Monitoring of the deep-sea invertebrate fauna (Lampedusa, Linosa, Pantelleria) and collection of samples. 40-400m ROV exploration.

MoBioMarCal 2007-2009	Three oceanographic campaigns (June 2007, July 2008, August 2009) on board of the R/V <i>Astrea</i> within the ISPRA project N°327 <i>MoBioMarCal</i> (Scientific Director Dr. S. Canese). Monitoring of the deep-sea invertebrate fauna of the Calabrian coast and collection of samples. 40-250m ROV exploration.
Seamount Vercelli 2009	June - July 2009: Oceanographic campaign on board of <i>Daedalus</i> within the PRIN project <i>TySEc</i> (Scientific Director Prof. G. Bavestrello) to study the megabenthos along the Seamount Vercelli (North Tyrrhenian Sea) through the use of ROV (60-600m).
	May - June 2009: Oceanographic campaign on board of the R/V <i>Urania</i> within the PRIN project <i>TySEc</i> (Scientific Director Prof. P. Povero) to study the megabenthos along the Seamount Vercelli (North Tyrrhenian Sea) through the use of grab and dredge.
Aegean Sea Deep Brines 2004	September 2004: Oceanographic campaign aboard of the R/V <i>Universitatis</i> (Conisma) for the study of anoxic deep basins in the eastern Mediterranean Sea (Scientific Director Prof. R. Danovaro) within the Marine Ecology course of the Specialist Degree. Water sampling with Niskin bottles, sediment sampling with Boxcorer and Multicorer. Chemical, physical and microbiological analyses.

- Sampling expeditions:

Project	Description
SIR2015-2018	November 2016-August 2018: seasonal sampling of <i>Antipathella subpinnata</i> , water, sediment and plankton from Liguria (Portofino, Bergeggi, Bordighera) (60-75m). Technical divers, vessel Veliger, Carabinieri Nucleo Sommozzatori Genova Voltri, Diving il Grande Blu Portofino. Collaboration with BlueResearch for the use of a Benthic Camera Lander.
LAWIBLUE Patagonia, Chile 2014	August 2014: Research expedition in the Fjord Chilean Region (Puerto Ciesnes) for benthic sampling within the Project Winter Bloom Patagonian Experiment (Scientific Director Dr. Giovanni Daneri). Scuba dives, Underwater Photography.
Indonesian Archipelago 2004-2010	October 2010: Research expedition in the Marine Park of Bunaken (North Sulawesi) and Sanghie Archipelago (Mahengetang underwater volcano) for black coral sampling. Scuba dives, Underwater Photography.
	October 2008: Research expedition in the Marine Park of Bunaken (North Sulawesi), Ambon (Banda Sea) and Bali (Flores Sea) for black coral sampling. Scuba dives, Underwater Photography.
	July 2008: Expedition in the Marine Park of Bunaken (North Sulawesi, Indonesia) to monitor the black coral transplant experiments, characterize the black corals meadows, study the epibionts of black corals and hydrozoans (<i>Solanderia</i>) and organize an experiment to study the settling phases of hydrocorals. Scuba dives, Underwater Photography, settling platforms.
	February 2007: Monitoring of the black coral transplant experiments made in November 2006 and practical activity for the students of the Master course 2007 in "Tropical Marine Biodiversity and Natural Product" held by Università Politecnica delle Marche. Scuba dives, Underwater Photography.
	November 2006: Hydroids studies, transplants and reproductive biology of black corals in the Marine Park of Bunaken (North Sulawesi, Indonesia). Scuba dives, Underwater Photography, Transplant experiments.
	June 2006: Sampling period of antipatharians in the Marine Park of Bunaken (North Sulawesi, Indonesia). Scuba dives, Underwater Photography.

	September 2005: Ecological study of antipatharians in the Marine Park of Bunaken (North Sulawesi, Indonesia). Scuba dives, Belt Transect Method, Visual census, Underwater Photography.
	July 2004: Study of the antipatharian fauna in the Marine Park of Bunaken (North Sulawesi, Indonesia) for the thesis work. Scuba dives, Underwater Photography.
4AAMMP 2008	5 May - 12 May 2008: Summer sponge sampling in the A and B Zones of the Marine Protected Area of Asinara, Sardinia (Italy) within the project 4 AMP - Taxonomy Task of Conisma. Scuba dives, Underwater Photography (massive sponges), Rock sampling (coralligenous boring sponges). 25 November - 2 December 2007/ 31 March - 7 April 2008: Winter and summer sponge sampling in the B Zones of the Marine Protected Areas of Porto Cesareo and Capo Rizzuto (Italy) within the project 4 AMP - Taxonomy Task of Conisma. Scuba dives, Underwater Photography (massive sponges), Rock sampling.
Messina Strait 2005	November 2005: Sampling of the black coral <i>Antipathella subpinnata</i> in the Strait of Messina (Sicily, Italy) in collaboration with the University of Messina. Scuba dives.
Tremiti Islands 2003	Stage in the Tremiti Islands (Adriatic Sea, Italy) for the classification and ecological study of Mediterranean species within the Marine Biology course of the 1 st Level degree. Scuba dives.

Licences

- Driving Licence
 - Clean and valid
 - B Category
- Diving Licences
 - **Open Water Diver, FIAS** (1999)
 - **Advanced Open Water Diver, SSI** (2002)
 - **Medic First Aid, PADI** (2003)
 - **Rescue Diver, PADI** (2003)
 - **Divemaster, PADI** (2004, 673 logged dives)

Affiliations

- Unione Zoologica Italiana Onlus (UZI)
- Società Italiana Biologia Marina (SIBM)
- Deep Sea Biology Society (DSBS)
- International Network for Scientific Investigations of Deep-Sea Ecosystems (INDEEP) (newsletter)
- CONISMA (Consorzio Nazionale Interuniversitario per le Scienze del mare)

Awards

- UZI Marine Biodiversity Award 2011
"Mesophotic coral forests of the Italian seas" Bo M., Canese S., Giusti M., Spaggiari C., Angiolillo M., Salvati E., Greco S. and Bavestrello G., presented at the World Conference on Marine Biodiversity, Discovering Life in the Ocean, 26-30th September 2011, Aberdeen, Scotland.
- UZI Poster Award 2017
"Anthropic pressure and environmental sustainability in the MPA of Portofino (Ligurian Sea)" Betti F., Bavestrello G., Bo M., Cappanera V., Coppari M., Enrichetti F., Fravega L., Ravanetti G., Venturini S., Cattaneo-Vietti R., presented at the 2nd Joint Meeting of Société Zoologique de France and 78^o Unione Zoologica Italiana, 18-22 September 2017, Torino (Italy).
- Accademia Lincei Poster Award 2017
"Know the distribution to assess the changes: Mediterranean cold-water coral bioconstructions" Chimienti G., Bo M., Mastrototaro F. presented at the XXXV Giornata dell'Ambiente, Accademia Nazionale dei Lincei, Cambiamenti e crisi nel Mediterraneo, 17 October, Rome (Italy).

Commissions

- Benthos Committee, Società Italiana Biologia Marina Directive
- Scientific Community, Naples Zoological Station Anton Dohrn
- Scientific Commission Dipartimento di Scienze della Terra, dell'Ambiente e della Vita
- Research and Technology Commission, University of Genova

- PhD Commission for Jordi Andreu Grinyó (thesis entitled “Ecological study of benthic communities in the continental shelf and upper slope in the Menorca Channel (North-western Mediterranean)”, Universitat Politècnica de Catalunya, BarcelonaTech, October 2016
- Invitation speaker**
- Seminar entitled “The Twilight zone of the Mediterranean Sea: ROV revealing wonders” for the Marine Biology course of the 2nd Level degree in Natural Sciences, 13 January 2010.
 - Invited speaker “Deep benthic communities: an Italian story” Bo M., Canese S., Bavestrello G., presented at the 1st Joint National Congress of the Italian Society of Ecology (SITE), Italian Zoological Society (UZI), and Italian Society of Biogeography (SIB), 30th August-2nd September 2016, Milan
 - Academic Year Inauguration for the 2nd Level Degree in Marine Biology of the University of Bologna (Campus Ravenna) with a lecture entitled “Deep benthic communities: an Italian story” (3 November 2016, Ravenna)
- Workshop and congress organization**
- Organizing committee of the 69th National Congress of the Italian Zoological Union (UZI) held in Senigallia (AN), 22-25 September 2008
 - Organizing committee of the Santa Margherita Ligure (Italy) Workshop for Anthozoan Assessment, 29 September-1 October 2014.
- Technical workshops**
- IUCN Red List Assessor Training Workshop held on 3-5 June 2013, Malaga, Spain organized by IUCN
 - Communication “**Sponge and coral fauna: reporting and tools**” Bo M., Xavier J., presented at the FAO Workshop on the Management of Deep-sea Fisheries (DSF) and Vulnerable Marine Ecosystems (VMEs) in the Mediterranean, 18-20th July 2016, Rome.
- Editorial boards**
- Editorial Board Bollettino dei Musei e degli Istituti Biologici dell'Università di Genova (BMIB) (<http://www.bmib.it/it/index.php>)
 - Scientific Editorial Board Genoa University Press (Marine Science) (GUP) (<http://gup.unige.it/node/12>)
 - Review Editor the Editorial Board of Deep-Sea Environments and Ecology, a specialty of Frontiers in Ecology and Evolution and Marine Science
- Publications**
- Papers:
1. Di Camillo C., **Bo M.**, Puce S., Tazioli S., Bavestrello G. 2006. The Cnidome of *Caribdea marsupialis* (L., 1758) (Cnidaria, Cubomedusae) from the Adriatic Sea. *Journal of the Marine Biological Association of the United Kingdom*, 86: 705-709.
 2. Tazioli S., **Bo M.**, Boyer M., Rotinsulu H., Bavestrello G. 2007. Ecological observations of some common antipatharian corals in the marine park of Bunaken (North Sulawesi, Indonesia). *Zoological studies*, 46: 227-241.
 3. Lapian H.F.N., Barucca M., Bavestrello G., Biscotti M.A., **Bo M.**, Canapa A., Tazioli S., Olmo E. 2007. A systematic study of some Black Corals species (Antipatharia, Hexacorallia) based on rDNA internal transcribed spacers sequences. *Marine Biology*, 151: 785-792.
 4. Di Camillo C., **Bo M.**, Puce S., Tazioli S., Froggia C., Bavestrello G. 2008. The epibiontic assemblage of *Geryon longipes* (Crustacea: Decapoda: Geryonidae) from Southern Adriatic Sea. *Italian Journal of Zoology*, 75: 29-35.
 5. **Bo M.**, Tazioli S., Spanò N., Bavestrello G. 2008. *Antipathella subpinnata* (Antipatharia, Myriopathidae) in Italian seas. *Italian Journal of Zoology*, 75: 185-195.
 6. Gaino E., **Bo M.**, Boyer M., Scoccia F. 2008. Sperm morphology in the black coral *Cirripathes* sp. (Anthozoa, Antipatharia). *Invertebrate Biology*, 127: 249-258.
 7. Di Camillo C., **Bo M.**, Lavorato A., Morigi C., Segre Reinach M., Puce S., Bavestrello G. 2008. Foraminifers epibiontic on *Eudendrium* (Cnidaria: Hydrozoa) from the Mediterranean Sea. *Journal of the Marine Biological Association of the United Kingdom*, 88: 485-489.
 8. **Bo M.**, Di Camillo C., Addamo A. M., Valisano L., Bavestrello G. 2009. Growth strategies of whip black corals in the Bunaken Marine Park (Celebes Sea, Indonesia). *Marine Biodiversity Records*, 2: 1-6.
 9. **Bo M.**, Barucca M., Biscotti M.A., Canapa A., Lapian H.F.N., Olmo E., Bavestrello G. 2009. Description of *Pseudocirripathes* (Cnidaria: Anthozoa: Hexacorallia: Antipathidae) a new genus of whip black corals from the Indo-Pacific. *Italian Journal of Zoology*, 76: 392-402.

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Otero M.M., Numa C., **Bo M.**, Orejas C., Garrabou J., Cerrano C., Kruzic P., Antoniadou C., Aguilar R., Kipson S., Linares C., Terrón-Sigler A., Brossard J., Kersting D., Casado-Amezúa P., García S., Goffredo S., Ocaña O., Caroselli E., Maldonado M., Bavestrello G., Cattaneo-Vietti R. and Özalp B. (2017). Overview of the conservation status of Mediterranean anthozoans. IUCN, Malaga, Spain. x + 73 pp. <https://www.iucn.org/es/content/overview-conservation-status-mediterranean-anthozoa>

Xavier, J. & **Bo M.** 2017. Deep-sea sponges of the Mediterranean Sea. FAO, I6945EN. <http://www.fao.org/publications/card/en/c/df94258d-ed23-4a65-9fd9-d344f75f746e/>

Bo M. 2017. Deep-sea corals of the Mediterranean Sea. FAO, I7256EN. <http://www.fao.org/documents/card/en/c/9b70e53d-7a46-4ebb-8ad9-d5c62f0c9276/>

Projects

Coordinator

ASSEMBLE PLUS 2018 (ASSEMBLE Plus Project (European Union's Horizon 2020 research and innovation programme, grant agreement No 730984, Grant SR02022018947e) Co-coordinator with Martina Coppari. Shedding light on the reproductive strategies of *Antipathella subpinnata* (Ellis & Solander, 1786)

COFIN ATENEO BO 2017 (7093 euros) Post-Doc Cofin on the Project Studio del pleuston ligure: spiaggiamenti, specie aliene e ruolo dei cambiamenti climatici

UNIGE FRA2016 (580,4 euros). Fondi per la Ricerca di Ateneo.

COFIN ATENEO BO 2015 (8212,05 euros). Post-Doc Cofin on the SIR_BIOMOUNT Project Biodiversity patterns of the Tyrrhenian Seamounts.

UNIGE FRA2015 (800 euros) Fondi per la Ricerca di Ateneo.

SIR BIOMOUNT 2015-2018 (268301 euros). Biodiversity patterns of the Tyrrhenian Seamounts. RBSI14HC9O.

ENPI-EU-ECOSAFIMED 2014-2015 (204680.8 euros). Towards Ecosystem Conservation and Sustainable Artisanal Fisheries in the Mediterranean basin (National Coordinator).

UNIGE PRA2014 (4660,77 euros). Specie animali alloctone e impatto antropico negli ecosistemi liguri.

UNIGE PRA2013 (4194 euros). Impatti delle specie alloctone sulle biocenosi liguri: casi di studio in ambiente marino e terrestre (continuazione)

Participant

MARINE STRATEGY LIGURIA 2016 (Italian Ministry for Environment and Ligurian Regional Environmental Protection Agency) Monitoraggio ambientale Liguria 40-100m (Participant, 36000 euros, G. Bavestrello Coordinator)

MARINE STRATEGY LIGURIA 2015 (Italian Ministry for Environment and Ligurian Regional Environmental Protection Agency) Monitoraggio ambientale Liguria 40-100m (Participant, 36000 euros, G. Bavestrello Coordinator)

LAWIBLUE 2014-2015 Biologic and ecologic characterization of the Puyuhuapi Channel (Late Winter Bloom Experiment), Fjord region, Patagonia, Chile (Participant, Giovanni Daneri Coordinator)

CORALLO ROSSO E ROV 2012-13 (Italian Ministry of Agriculture and Forestry and Regione Sardegna) Uso del ROV (Remotely Operated Vehicle) nella definizione applicativa di piani di gestione per il corallo rosso Italian Ministry for Agriculture and Fishing (Participant, 120000 euros, G. Bavestrello and A. Cau Coordinators)

CORALLO ROSSO 2010-2012 (Italian Ministry for Environment) Studio dei banchi di corallo rosso. (Participant, 120000 euros, G. Santangelo Coordinator)

UNIGE PRA 2012. (University of Genova) Impatti delle specie alloctone sulle biocenosi liguri: casi di studio in ambiente marino e terrestre (Participant, 4000 euros, G. Bavestrello Coordinator)

COCONET 2010 (EU Commission) Towards COast to COast NETworks of marine protected areas (from the shore to the high and deep sea), coupled with sea-based wind energy potentials. (Participant, 20000 euros, F. Boero Coordinator)

PRIN 2010-11 (Italian Ministry for Scientific Research, MIUR) Biocostruzioni costiere: struttura, funzione, e gestione (Post-Doc, 79000 euros, G. Bavestrello Coordinator)
RITMARE 2012-14 (Italian Ministry for Scientific Research, MIUR) Funzionamento eco sistemico costiero e connessioni con il sistema profondo (Participant, 100000 euros, F. Boero Coordinator)
PRIN 2007 (2009-2010) (Italian Ministry for Scientific Research, MIUR) Tyrrhenian Seamounts ecosystems: an Integrated Study (TySEc) (Post-Doc, 120000 euros, G. Bavestrello Coordinator) with contribute of CENSEAM 2009-2010 (5000 euros) for Tyrrhenian Seamounts ecosystems: an Integrated Study (TySEc)
INTERLINK 2004-06 (Italian Ministry for Foreign Affairs, MAE) Conoscenza e gestione della Biodiversità delle Scogliere coralline Indonesiane (Participant, 90000 euros, G. Bavestrello Coordinator)

Referee activity 18 referees completed

Teaching activity

Courses

Laboratory of Zoology, Co-Professor

1st Level Bachelor's Degree in Biology, DISTAV, Università degli Studi di Genova

2CFU total

Academic years: 2013-2014 (2CFU), 2014-2015 (2CFU), 2015-2016 (12h), 2016-2017 (8h), 2018-2019 (12h)

Benthology, Professor

Specialist Bachelor's Degree in Marine Sciences (and Biological Monitoring), DISTAV, Università degli Studi di Genova

6CFU total

Academic years: 2015-2016 (6CFU), 2016-2017 (6CFU), 2017-2018 (6CFU), 2018-2019 (6CFU)

Environmental Campaign, Co-Professor

1st Level Bachelor's Degree in Environmental Sciences, DISTAV, Università degli Studi di Genova

3CFU total

Academic years: 2016-2017 (21h), 2017-2018 (1CFU), 2018-2019 (1CFU)

Students Supervision

Post-Doc

Dr. Martina Coppari, 2016-2018. BIOMOUNT Project: biodiversity characterization of the Tyrrhenian seamounts.

Dr. Margherita Toma, 2017-2018. Marine Strategy Project, Liguria.

PhD

Dr. Francesco Enrichetti, 2015-2018. Impact of artisanal and recreational fishing on hard-bottom benthic communities of the Ligurian Sea. XXXI cycle, Sciences and Technologies for the Environment and the Territory, Marine Sciences (17.9.2015-2018)

1st Level Bachelor's Degree

Defazio Cristina, Natural and Environmental Sciences, Black coral millennial forests from Sardinia: Population structure and conservation. (Co-Supervisor) UNIGE, aa 2011-2012

Bonino Giulia, Natural and Environmental Sciences, Use of ROV-Imaging to study the fishing impact on the benthic communities of deep Mediterranean shoals. (Co-Supervisor) UNIGE, aa 2011-2012

Morando Sara, Natural and Environmental Sciences, Ecology and population structure of *Parantipathes larix* (Anthozoa: Antipatharia) in the Mediterranean Sea. (Co-Supervisor) UNIGE, aa 2011-2012

DeBenedetti Andrea, Biological Sciences, Study of the life cycle of *Corynactis viridis* (Anthozoa: Corallimorpharia) in the AMP Bergeggi Island (Ligurian Sea). UNIGE, aa 2013-2014

Biasissi Elia, Biological Sciences, Taxonomic study of deep Mediterranean corallimorpharians (Anthozoa: Hexacorallia). UNIGE, aa 2013-2014

Berti Anna, Biological Sciences, Taxonomic study of the black coral fauna of the Western Mediterranean Sea (Spain). UNIGE, aa 2014-2015

Loi Alessio, Biological Sciences, Biodiversity and Ecology of the Cnidarian fauna of the Canal Puyuhuapi, Chilean Patagonia. UNIGE, aa 2014-2015

Righetti Elena, Natural and Environmental Sciences, The intertidal hydroid *Paracoryne huvei*: life history and bloom in the North-western Mediterranean Sea. UNIGE, aa 2014-2015

Rizzo Fogarese Brigida, Biological Sciences, Ecological role of the gorgonian *Spinimuricea klavereni* in the soft bottom communities of the Patti gulf and antropic impact. UNIGE, aa 2014-2015

Roveta Camilla, Biological Sciences, Ceriantharian distribution and morphology in Italian seas. UNIGE, aa 2014-2015

Zito Claudia, Biological Sciences, Life history of *Corynactis viridis* (Anthozoa: Corallimorpharia) in the MPA Isola di Bergeggi (Ligurian Sea). UNIGE, aa 2014-2015

Wanderlingh Adriano Alistair, Biological Sciences, Study of the variations of abundance and biodiversity of the benthic community of Seno Magdalena (Canal Puyuhuapi, Chile) in relation to an increasing amount of fresh water inputs. UNIGE, aa 2015-2016

Sportiello Sara, Natural and Environmental Sciences, Fishing impact in the Portofino MPA (Ligurian Sea). UNIGE, aa 2015-2016

Misurale Francesco, Biological Sciences, Ecotoxicological analyses on the effects of microplastics in marine invertebrates. UNIGE, aa 2015-2016

Tassara Eleonora, Biological Sciences, The blennies (Actinopterygii: Blenniidae) of Punta Predani ("Isola di Bergeggi" MPA, Italy) UNIGE, aa 2016-2017

Marco Incani, Natural and Environmental Sciences, Skeletal degradation and scheletobiosis in seven Mediterranean anthozoan species. UNIGE, aa 2016-2017

Chiara Pollicardo, Biological Sciences, Ecotoxicological effects of two different types of microplastics on the rotifer *Brachionus plicatilis*. UNIGE, aa 2016-2017

Specialist Bachelor's Degree

Lavorato Antonella, Marine Biology, Systematics and ecology of black corals from the Machalilla National Park, Ecuador. (Co-Supervisor) UNIVPM, aa 2008-2009

Spaggiari Costanza, Marine Biology, Study of the hard-bottom coral and sponge communities of the Calabria mesophotic zone. (Co-Supervisor) UNIVPM, aa 2009-2010

Verna Andrea, Marine Biology, Reproductive biology of *Cirrhipathes* sp. (Antipatharia) in the Marine Park of Bunaken (Indonesia) (Co-Supervisor) UNIVPM, aa 2009-2010

Coletta Paola, Marine Biology, Study of the deep megabenthic communities of the Sicily Channel through ROV-Imaging. (Co-Supervisor) UNIVPM, aa 2012-2013

Simona Ricci, Marine Sciences, Study of deep coral communities of southern Sardinia. (Assistant Supervisor) (Co-Supervisor) UNIGE, aa 2012-2013

Vigo Alberto, Marine Biology, Impact of ingegno on the deep banks of *Corallium rubrum* (L.1758) (Ragusa, Sicily). (Co-Supervisor) UNIVPM, aa 2013-2014

Cervetto Elisa, Biology, Monitoring of coastal marine biofouling: validation of an innovative field exposure and comparing analysis methods. (Co-Supervisor) UNIGE, aa 2014-2015

DeFalco Giada, Biology, Biological monitoring of the submarine cave of Bergeggi (Savona, SV): spatial-temporal variability of sessile communities. (Co-Supervisor) UNIGE, aa 2014-2015

Toma Margherita, Environmental Sciences, Impact of artisanal fisheries on benthic communities in the Gulf of Patti (northern Sicily). UNIGE, aa 2014-2015

Bafico Aldo, Natural systems Science, Symbiotic relationships between fish and anthozoans in the Raja Ampat Archipelago (Indonesia). UNIGE, aa 2015-2016

Maddalena Candido, Methodologies for the Diagnosis and Conservation of Cultural heritage, Deep wrecks of the Mediterranean Sea: archeological sites and oases of biodiversity. UNIGE, aa 2017-2018.