

CURRICULUM VITAE FEDERICO BETTI

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 BETTI FEDERICO
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NATIONALITY Italian
DATE OF BIRTH 31/03/1983

OCCUPATIONAL FIELD SCIENTIFIC RESEARCH AND DISSEMINATION IN THE FIELDS OF MARINE ZOOLOGY (TAXONOMY, BIOLOGY AND ECOLOGY)
ORCID: 0000-0002-5492-2655

EDUCATION AND TRAINING

Dates November 2008 – January 2012
Name and type of organisation DISVA, Università Politecnica delle Marche, via Breccie Bianche – 60131 Ancona (AN), Italy
Title of qualification awarded **PhD Degree** in Marine Biology and Ecology. Thesis entitled: Taxonomy and Ecology of Mediterranean Stoloniferans (Cnidaria: Octocorallia)

Dates December 2007
Name and type of organisation DISVA, Università Politecnica delle Marche, via Breccie Bianche – 60131 Ancona (AN), Italy
Title of qualification awarded **National enablement** for the profession of Specialist Biologist (marine field)

Dates October 2005 – November 2007
Name and type of organisation DISVA, Università Politecnica delle Marche, via Breccie Bianche – 60131 Ancona (AN), Italy
Title of qualification awarded **Specialist Bachelor's Degree** in Marine Biology – 110/110 *cum laude*. Thesis entitled: "Studio della fauna associata ad *Aglaophenia cupressina* (Cnidaria; Hydrozoa)".

Dates October 2002 – November 2005
Name and type of organisation DISVA, Università Politecnica delle Marche, via Breccie Bianche – 60131 Ancona (AN), Italy
Title of qualification awarded **1st Level Bachelor's Degree** in Biology Sciences - Marine Biology Studies - 110/110 *cum laude*. Thesis entitled: "Comportamento predatorio dello squalo bianco (*Carcharodon carcharias*)".

Dates July 2002
Name and type of organisation Liceo Scientifico Rambaldi-Valeriani, via Guicciardini 4 – 40026 Imola (Bo)
Title of qualification awarded **Scientific High School diploma** - 87/100

PROFESSIONAL ACTIVITY

- Dates August 2021
Occupation or position held **PERMANENT TECHNICAL STAFF CAT. D: EXPERT IN UNDERWATER SAMPLING ACTIVITIES AND ZOOLOGICAL ANALYSES**
Name and address of employer Prof. Federico Delfino, Università degli Studi di Genova, V. Balbi, 5 – 16126 Genova (Ge), Italy
Main activities and responsibilities Management of underwater zoological analyses and monitoring and sampling activities, underwater photography. Zoological laboratory analysis: macrofaunal and megafaunal sorting and identification, tissue preparations realized with the technique of auto-polymerised resin inclusion, cellular preparations for the study of cnidocysts, preparation of permanent slides for tissues (cnidarian polyps and sponges) and spicules/sclerites (sponges and octocorals).
Type of business or sector Scientific Research
- Dates February 2015 – March 2020
Occupation or position held **POST-DOC WITH 12 MONTHS FELLOWSHIP, RENEWED FOR 5 CONSECUTIVE YEARS**
Name and address of employer Prof. Paolo Comanducci, Università degli Studi di Genova, V. Balbi, 5 – 16126 Genova (Ge), Italy
Main activities and responsibilities Project: *Aggiornamento delle conoscenze sulla biodiversità marina in Aree Marine Protette liguri. In field researchs on biodiversity in Ligurian MPAs*; mainly focused on cnidarians (Hydrozoa and Anthozoa) and ichthyofauna. Personal duties included scientific scuba dives (visual census, underwater photography, invertebrate samples collection) and laboratory analysis focused on taxonomy of shallow water hydrozoans.
Type of business or sector Scientific Research
- Dates April 2015
Occupation or position held **FREELANCE CONSULTANCY**
Name and address of employer OLPA – Osservatorio Ligure Pesca e Ambiente, via Granello 3/18 – 16121 Genova (Ge), Italy
Main activities and responsibilities **Sorting and taxonomic identification of macrozoobenthic taxa** (focusing mainly on molluscs, crustaceans and echinoderms) in soft bottoms samples collected along the Ligurian coasts, in the marine coastal monitoring activity frame.
Type of business or sector Taxonomy
- Dates April 2014
Occupation or position held **FREELANCE CONSULTANCY**
Name and address of employer Sirolo Municipality, Piazza Giovanni da Sirolo 1 – 60020 Sirolo (An), Italy
Main activities and responsibilities **Environmental impact assessment procedure** regarding an intervention for the maintenance of manufacts for coastal defence in the localities of Urbani Beach and Giacchetta Point in the Sirolo Municipality.
Type of business or sector Environmental impact assessment
- Dates 2013 – 2014
Occupation or position held **2 YEARS FREELANCE CONSULTANCY**
Name and address of employer Dr. Simone Bava, MPA Director, Comune di Bergeggi, Via De Mari 28/D – 17028 Bergeggi (Sv), Italy
Main activities and responsibilities Project: *Servizio di monitoraggio delle specie carismatiche (rare, protette, di interesse commerciale o turistico) ed opera di divulgazione dei dati. Study and monitoring of charismatic species* present within the borders of the MPA and in the surrounding areas. Mainly focused on species protected, endangered or of commercial or touristic value. Personal duties included scientific scuba diving (monitoring activities on cnidarians anthozoans, molluscs and fishes), and production of species lists, posters and booklets about jellyfishes and other planktonic organisms.
Type of business or sector Scientific Research, Dissemination
- Dates 2011 – 2014
Occupation or position held **FREELANCE CONSULTANCY**
Name and address of employer Forestalp Società Cooperativa, accreditamento MIUR decreto n. A00DPIT.852
Main activities and responsibilities On-call contract as **naturalistic guide** and **biological snorkelling guide** along the Conero Promontory (An).
Type of business or sector Naturalistic Guide
- Dates July – September 2013
Occupation or position held **3 MONTHS FREELANCE CONSULTANCY**
Name and address of employer Ing. Annibale Cutrona, CoNISMa, via Isonzo, 32 – 00198 Roma
Main activities and responsibilities Project: CoNISMa MARINE STRATEGY; *Raccolta dati bibliografici di dati storici di biocenosi liguri di fondo duro*. Personal duties included **bibliographic and in situ census of Ligurian hard bottom benthic biocenosis** in the Marine Strategy framework.
Type of business or sector Scientific Research
- Dates May 2013
Occupation or position held **FREELANCE CONSULTANCY**
Name and address of employer Sirolo Municipality, Piazza Giovanni da Sirolo 1 – 60020 Sirolo (An), Italy
Main activities and responsibilities **Environmental impact assessment procedure** regarding urgent intervention for the maintenance of manufacts for coastal defence in the localities of Urbani Beach and Giacchetta Point in the Sirolo Municipality.
Type of business or sector Environmental impact assessment
- Dates April – May 2013
Occupation or position held **2 MONTHS FREELANCE CONSULTANCY**

Name and address of employer	Prof. Riccardo Cattaneo-Vietti, Università Politecnica delle Marche, via Brecce Bianche – 60131 Ancona (An), Italy
Main activities and responsibilities	Project: <i>Campionamenti fotografici lungo il fronte sud del promontorio di Portofino ed elaborazione degli stessi per approfondire lo studio degli eventi di moria del coralligeno nell'AMP di Portofino</i> . Personal duties included scientific scuba diving (benthic squares photography) and taxonomical identification and coverage analysis of underwater pictures in order to collect information on the ecosystemic benthic changes occurring within the border of the Portofino MPA.
Type of business or sector	Scientific Research
Dates	April – May 2013
Occupation or position held	8 MONTHS FREELANCE CONSULTANCY
Name and address of employer	Prof. Giancarlo Albertelli, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
Main activities and responsibilities	Project: <i>Approfondimento quali-quantitativo del "fenomeno pesca ricreativa" nel Savonese</i> . Collection of information regarding the recreational fishing activities operated in the "Isola di Bergeggi" MPA and the surrounding areas. Activity conducted in the "MARTE + - SOTTOPROGETTO SB" frame.
Type of business or sector	Scientific Research
Dates	October 2012
Occupation or position held	FREELANCE CONSULTANCY
Name and address of employer	Ancona Municipality, Largo XXIV Maggio 1 - 60123 Ancona (An), Italy
Main activities and responsibilities	Environmental impact assessment procedure on the effect of the input of new solid materials on local marine biocenosis.
Type of business or sector	Environmental impact assessment
Dates	2012
Occupation or position held	FREELANCE CONSULTANCY
Name and address of employer	Ing. Annibale Cutrona, CoNISMa, via Isonzo, 32 – 00198 Roma
Main activities and responsibilities	Project: CoNISMa RITMARE Flagship Project, coordinated by the National Research Council (CNR), regarding marine and maritime issues . Personal duties included scientific scuba diving sampling activities, and benthic animals taxonomic identifications.
Type of business or sector	Scientific Research
Dates	2009
Occupation or position held	FREELANCE CONSULTANCY
Name and address of employer	Prof. Giorgio Bavestrello, Università Politecnica delle Marche, via Brecce Bianche – 60131 Ancona (An), Italy
Main activities and responsibilities	Project: CoNISMa MATTM_3 AMP, regarding the study of the marine cave environments in the MPAs "Capo Caccia", "Plemmirio" and "Isole Pelagie". Personal duties included scientific scuba diving sampling activities, taxonomic identifications and laboratory studies mainly regarding Octocorallia cnidarians.
Type of business or sector	Scientific Research
Dates	2009
Occupation or position held	FREELANCE CONSULTANCY
Name and address of employer	Prof. Ing. Marco Pacetti, Università Politecnica delle Marche, Piazza Roma, 22, 60100, Ancona (AN) Italy
Main activities and responsibilities	Collection of new zoological samples and renovation of the zoological collection of the educational museum of the Science Faculty of the Università Politecnica delle Marche.
Type of business or sector	Museum preparations activity
Dates	2008
Occupation or position held	POST-BACHELOR DEGREE COLLABORATION
Name and address of employer	CNR-ISMAR, Largo Fiera della Pesca – 60125 Ancona (An), Italy
Main activities and responsibilities	Post-bachelor degree collaboration with National Research Council (CNR) on studies on larval stages of small pelagic fishes (<i>Sardina pilchardus</i> and <i>Engraulis encrasicolus</i>) and decapod crustaceans (<i>Achaeus gracilis</i> , <i>Inachus comunissimus</i> , <i>Macropodia czernjawszkii</i> , <i>Paromola cuvieri</i>). Personal duties included laboratory measurement of fishes' otoliths and taxonomic identification and measurement of decorator crabs and their epibiont.
Type of business or sector	Scientific Research

TEACHING ACTIVITY

Dates	Academic year 2023/2024
Occupation or position held	ADJUNCT PROFESSOR
Name and address of employer	Prof. Elisabetta Rampone, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
Main activities and responsibilities	Professor of Marine Ethology , in the Biological Sciences course. The class consisted of 24 hours of frontal lessons, corresponding to 3 CFU, regarding an introduction to ethology and behavioural ecology, communication, defensive strategies, trophic strategies, adaptative resemblances, symbioses, reproductive strategies and migrations of marine animals.
Type of business or sector	Teaching

Dates Academic year 2023/2024
 Occupation or position held **ADJUNCT PROFESSOR**
 Name and address of employer Prof. Elisabetta Rampone, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
 Main activities and responsibilities **Professor of Ichthyology**, module of the Benthology-Ichthyology class, in the Marine Biology and Ecology. The class consisted of 48 hours of frontal lessons, corresponding to 6 CFU, regarding taxonomy, biodiversity, ecology and adaptations to different environments of marine fishes (with a brief focus on freshwater ones).
 Type of business or sector Teaching

Dates Academic year 2023/2024
 Occupation or position held **ACADEMIC LECTURER**
 Name and address of employer Prof. Elisabetta Rampone, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
 Main activities and responsibilities **Short course** on "Underwater Scientific Photography", to PhD candidates in Marine Biology at Genoa University. The class consisted of 8 hours of frontal lessons, corresponding to 2 CFU.
 Type of business or sector Teaching

Dates Academic year 2022/2023
 Occupation or position held **ADJUNCT PROFESSOR**
 Name and address of employer Prof. Elisabetta Rampone, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
 Main activities and responsibilities **Professor of Marine Ethology**, in the Biological Sciences course. The class consisted of 24 hours of frontal lessons, corresponding to 3 CFU, regarding an introduction to ethology and behavioural ecology, communication, defensive strategies, trophic strategies, adaptive resemblances, symbioses, reproductive strategies and migrations of marine animals.
 Type of business or sector Teaching

Dates Academic year 2022/2023
 Occupation or position held **ADJUNCT PROFESSOR**
 Name and address of employer Prof. Elisabetta Rampone, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
 Main activities and responsibilities **Professor of Ichthyology**, module of the Benthology-Ichthyology class, in the Marine Biology and Ecology. The class consisted of 48 hours of frontal lessons, corresponding to 6 CFU, regarding taxonomy, biodiversity, ecology and adaptations to different environments of marine fishes (with a brief focus on freshwater ones).
 Type of business or sector Teaching

Dates Academic year 2021/2022
 Occupation or position held **ADJUNCT PROFESSOR**
 Name and address of employer Prof. Mauro Mariotti, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
 Main activities and responsibilities **Professor of Marine Ethology**, in the Biological Sciences course. The class consisted of 32 hours of frontal lessons, corresponding to 4 CFU, regarding an introduction to ethology and behavioural ecology, communication, defensive strategies, trophic strategies, adaptive resemblances, symbioses, reproductive strategies and migrations of marine animals.
 Type of business or sector Teaching

Dates Academic years 2016/2017 to 2021/2022
 Occupation or position held **ADJUNCT PROFESSOR**
 Name and address of employer Prof. Mauro Mariotti, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
 Main activities and responsibilities **Professor of Ichthyology**, module of the Benthology-Ichthyology class, in the Marine Biology and Ecology (formerly mutated between the Specialistic Bachelor Degree courses of Marine Sciences and Natural Systems Sciences). The class consisted of 48 hours of frontal lessons, corresponding to 6 CFU, regarding taxonomy, biodiversity, ecology and adaptations to different environments of marine fishes (with a brief focus on freshwater ones).
 Type of business or sector Teaching

Dates Academic year 2020/2021
 Occupation or position held **ACADEMIC LECTURER**
 Name and address of employer Prof. Mauro Mariotti, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
 Main activities and responsibilities **Short course** on "Camouflage and Mimicry in fishes", to PhD candidates in Marine Biology at Genoa University. The class consisted of 4 hours of frontal lessons, corresponding to 1 CFU.
 Type of business or sector Teaching

Dates January 2020
 Occupation or position held **ACADEMIC LECTURER**
 Name and address of employer Prof. Mauro Mariotti, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
 Main activities and responsibilities Lecturer of the modules "Mediterranean Fish fauna" and "To observe and record marine diversity: underwater photography", for a total of 7 hours, in the **"Environmental Qualification course for scuba diving guides"** – Organized by DISTAV and Regione Liguria.
 Type of business or sector Teaching

Dates	June 2018
Occupation or position held	ACADEMIC LECTURER
Name and address of employer	Prof. Paolo Comanducci, Università degli Studi di Genova, V. Balbi, 5 – 16126 Genova (Ge), Italy
Main activities and responsibilities	Lecturer of the modules "Evolution history of fishes: anatomy and ecology of cartilaginous and bony fishes" and "Main orders and family of fishes of worldwide commercial relevance", for a total of 8 hours, in the II Level University Master " Management of transformation and quality of the ichthyic and agro-alimentary product " – I Edition a.y. 2017/2018 – Financed POR FSE 2014-2020, cod: ARGE 17-361/21/1; CUP: D35D17000150006.
Type of business or sector	Teaching
Dates	Academic year 2016/2017
Occupation or position held	TEACHING SUPPORT
Name and address of employer	Prof. Roberto Pronzato, DISTAV, Università degli Studi di Genova, C.so Europa 26 – 16132 Genova (Ge), Italy
Main activities and responsibilities	Theoretical and practical lessons as teaching support during the course of Zoology (Biology Sciences) regarding Crustacea and "Lophophorata", for total 8 hours (2016/2017), and Mollusca and "Lophophorata", for total 16 hours (2015/2016)
Type of business or sector	Teaching
Dates	Academic year 2011/2012
Occupation or position held	ACADEMIC LECTURER
Name and address of employer	Prof. Carlo Cerrano, Università Politecnica delle Marche, via Breccie Bianche – 60131 Ancona (An), Italy
Main activities and responsibilities	Theoretical lessons of " <i>Adattamenti morfo-funzionali degli organismi marini</i> " during the course of Zoology (Biological Sciences), for total 12 hours. Lessons regarded morphological adaptations of marine organisms on different environmental conditions: adaptations to extreme environments; adaptations of heterobranchs; mimicry; alien species.
Type of business or sector	Teaching
Dates	Academic year 2010/2011
Occupation or position held	TUTORING ACTIVITY
Name and address of employer	Prof. Leandro Provinciali, Università Politecnica delle Marche, via Breccie Bianche – 60131 Ancona (An), Italy
Main activities and responsibilities	Tutoring activities (practice, integrative, preparative and remedial lectures) for the classes of Zoology (Biological Sciences) and Animal Biodiversity (Marine Biology).
Type of business or sector	Teaching

**DISSEMINATION ACTIVITIES
IN THE FIELDS OF MARINE
ZOOLOGY, BIOLOGY AND ECOLOGY**

Around **40 informative articles** with topic regarding marine zoology, biology and ecology appeared on the following magazines: Scubazone (2015-2021), TuttoBergeggi (2013-2015), Natura (2014), SUB (2012), Mondo Sommerso (2011/2012), Deep (2011), SubAQVA (2011), Il Parco C'è (2010/2011), Continente Blu (2010), JMBA Global Marine Environment (2009, article by Di Camillo C., Betti F., Bo M., Puce S., Bavestrello G.).

Underwater pictures have been published in the following national and international books and scientific papers:

- Louisy P. (2019). Hippocampes – Une famille d'excentriques. Biotope Editions, pp. 228. ISBN: 978-2-36662-218-8.
- Bo M., Montgomery T., Opreko D.M., Wagner D., Bavestrello G. (2019). Mesophotic antipatharian fauna. In: Loya Y., Puglise K., Bridge T. (Eds). Mesophotic Coral Ecosystems (MCEs), What are the similarities and differences between MCEs and shallow reefs. Springer International Publishing. ISBN 978-3-319-92735-0.
- Bertolino M., Ferranti M.P. (2018). Pinneggiando nei mari italiani. HOEPLI, pp. 456. ISBN: 8820385589
- Bo M., Barucca M., Biscotti M.A., Brugler M.R., Canapa A., Canese S., Lo Iacono C., Bavestrello G. (2018). Phylogenetic relationships of Mediterranean black corals (Cnidaria: Anthozoa: Hexacorallia) and implications for classification within the order Antipatharia. Invertebrate Systematics, 32: 1102-1110.
- Rinaldi A. (2017). Atlante della fauna e flora marina dell'Adriatico nord-occidentale, Editrice La Mandragora, pp. 720. ISBN-13: 978-8875865115
- Bo M., Bavestrello G. (2016). Foreste sommerse: storia di una ricerca italiana. In: Albertelli G., Petrillo G., Pestarino M., Pusillo L. & S. Squarcia (Eds). Un Mare di Scienza. Conferenze della Scuola di Scienze Matematiche, Fisiche e Naturali (2014-2015). Genoa University Press, Genova, pp. 73-82. ISBN: 978-88-97752-61-5.
- Louisy P. (2015). Marine Fish – Europe and Mediterranean marine fish identification guide, ULMER, pp. 430. ISBN-13: 978-2841388110
- Salvati E., Bo M., Rondinini C., Battistoni A., Teofili C. (Eds.). 2014. Lista Rossa IUCN dei coralli Italiani. Comitato Italiano IUCN e Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Roma. Stamperia romana, pp. 42.
- Trainito E. (2014). Atlante di flora & fauna del Mediterraneo (V Ed), Il Castello, pp. 414. ISBN-13: 978-8865201619
- Trainito E. (2014). Nudibranchi del Mediterraneo, Il Castello, pp. 192. ISBN-13: 978-8865204801
- Rondinini C., Battistoni A., Peronace V., Teofili C. (Eds.). 2013. Lista Rossa IUCN dei vertebrati italiani. Comitato Italiano IUCN e Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Roma. Stamperia romana, pp. 54.

- Cattaneo-Vietti R. (2013). Uomini e cozze: I molluschi nella storia, Genova University Press, pp. 220. ISBN-13: 978-8897752318
 - Danovaro R. (2013). Biologia marina. Biodiversità e funzionamento degli ecosistemi marini, CittàStudi, pp. 461 (not cited). ISBN-13: 978-8825173697
 - Gangemi A. (2012). Pericoli da vita acquatica, Laruffa Editore, pp. 160. ISBN: 978887221581
 - Rossi G. (2012). Le scogliere coralline, Reef Check Italia Onlus, pp. 68. ISBN: 9788890678301
- Underwater pictures have been also published in the numerous scientific papers.

Dissemination documentary

- The Lost Forest. A **documentary** by Bava S., Betti F., Bavestrello G., Bo M., Cattaneo-Vietti R., 2014. Judge mention winner at the 2nd Edition of the Camogli International Marine Reserves Film Festival, 2015. <https://vimeo.com/117944985>

Public seminars, laboratories & exhibitions

- **Public seminar** "Esplorando la Patagonia – Resoconto di 10 anni di spedizioni scientifiche in Cile". 15th May, 2024, Amici dell'Acquario, Acquario di Genova, Genova.
- **Public seminar** "Australia: Alla ricerca di pesci straordinari". 4th May, 2022, Amici dell'Acquario, Acquario di Genova, Genova.
- **Invited speaker** for a frontal lesson on "Reefs: oasis of biodiversity". 21/01/2020, Scientific High School IISS "Liceti" of Rapallo (GE).
- **Public seminar** "Fjord benthic communities: what we know and what to expect in a changing ocean". Climate and Ecosystem change under the COP25 perspective in patagonia, Chile. 21-22nd October, 2019, Coyhaique (Chile).
- **Laboratories** "In profondità nel Porto Antico con il ROV" and "La biodiversità del Porto Antico: una passeggiata naturalistica in città", **photography exhibit** "Plancton dallo spazio profondo – La bellezza delle meduse...e non solo", and **public seminar** "Un mare di foto". Festival del Mare, 10th-12th May 2018, Genova, Italy.
- **Public seminar** "Patagonia, tesoro sumergido". 2nd April, 2017, Puerto Gaviota (Chile).
- **Laboratory** "Fiori Sott'Acqua – Il fragile fascino degli antozoi" and **photography exhibit** "Plancton dallo spazio profondo – La bellezza delle meduse...e non solo". UniverCity, 18th & 19th June 2016.
- **Public seminar** "Fiori Sott'Acqua". Il Mare in Pillole, 7th May, 2016, Finale Borgo (SV), Italy.
- **Public seminar** "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". August, 2016, Coyhaique (Chile).
- **Public seminar** "Mostri Marini – In viaggio tra fantasia e realtà". CineMARE, August, 2015, Bergeggi (SV), Italy.
- 10 **informative plaques** commissioned in 2012 by the Ente Parco Regionale del Conero and Forestalp S.p.a, placed in the information center and along some paths of the Conero Natural Park.

Informative seminars and talks held in many diving centers, associations, and institutions, such as Assonautica (Ancona, AN), Centro Sub Monte Conero (Numana, AN), Circolo Sommozzatori Piacenza (Piacenza, PC), Dive Planet (Rimini, RN), DNA Blu (Bologna, BO), Komaros (Ancona, AN), Le Cavallette (Savona, SV), Ente Parco Regionale del Conero (Sirolo, AN), Lega Navale Mondo Sommerso (Fermo, FM), Nautica Treviso (Treviso, TV), Scubateam (Potenza Picena, MC), Seawolf (Numana, AN), Smile Diving (Porto Recanati, AN), Sub Tridente (Pesaro, PU).

PERSONAL LANGUAGE SKILLS

Mother Tongue Italian
Other Languages

	Listening	Reading	Spoken Interaction	Spoken Production	Writing
English	Good	Good	Fluent	Fluent	Good
Spanish	Average	Good	Sufficient	Average	Average

2002: Cambridge University First Certificate (Level B2)
2001 – 2002: Spanish language course at "Università Aperta", in Imola (Bo)

TECHNICAL SKILLS AND COMPETENCES

Laboratory competences

- Sorting of micro and macrobenthos with the realization of museum preparations
- Tissue preparations realized with the technique of auto-polymerised resin 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
- Preparation of permanent slides for tissues (cnidarian polyps and sponges) and spicules/sclerites (sponges and octocorals)

Field competences

- Plankton and benthos sampling and analysis of chemical-physical parameters through oceanographic devices, such as dredge, boxcorer, multicorer, grab, plankton nets, rosette.

- Scuba sampling techniques: visual census, underwater photography, square sampling method, suction pump, benthic scraping, organisms sampling.
- ROV techniques: visual census, sorting and identification of deep organisms (coralligenous and mesophotic depth range). ROV imaging through ImageJ and Final Cut Pro Softwares, community structure data elaboration.

SCIENTIFIC SCUBA DIVING QUALIFICATIONS:

SCUBA diving certifications:

- SNSI Deco Diver (2019)
- PADI Emergency First Response (2018)
- PADI Emergency Oxygen Provider (2018)
- PADI Deep Diver (2017)
- PADI Nitrox certification (2006)
- PADI Assistant Instructor (2005) including Aware Coral Reef Conservation speciality instructor, Project Aware Instructor and Peak Performance Buoyancy instructor
- CMAS *** (2001)
- CMAS ** (1999)
- CMAS * (1997)

Scientific SCUBA diving certifications:

- ADVANCED EUROPEAN SCIENTIFIC DIVER certification in the scientific fields of Biology & Ecology, according to the European Scientific Diving Panel, released by AIOSS (Associazione Italiana Operatori Scientifici Subacquei) (2018)
- CMAS international certification of Scientific Diver (2018) released by ISSD
- ISSD (International Scientific Diving School) certification of scientific diver (2018)

Underwater Photography:

- Participation to the international PhD course in **Documentation Techniques for Scientific Divers**, held in Kristineberg Marine research Station (Sweden) – 12-23/08/2019
- Participation to the workshop in **underwater close focus wide angle photography**, held by Pietro Formis in Noli (SV), 4-5/05/2019
- Participation to the workshop in **post-production for underwater photography**, held by Pietro Formis and EIZO Academy in Varedo (MB), 2-3/02/2019

2008 – Present: **Associate Program Manager** of Reef Check Italia ONLUS, association devoted to train citizen scientist SCUBA divers who volunteer to assess the ecological status of Mediterranean marine coastal habitats. Personal duties included the production of informative material, teaching of Ecodiver MAC and Ecodiver MAC Trainer courses held in Porto San Paolo (OT) (5-7/06/2009), Palinuro (SA) (5-7/07/2009) and Framura (SP) (6/06/2010).

Past member of the A.S.D. Centro Sub Monte Conero **underwater Civil Protection unit**
Around **1000 logged scientific SCUBA dives** and a total of **2300 logged SCUBA dives**

COMPUTER SKILLS AND COMPETENCES

ECDL certification, notions of Adobe Photoshop and Adobe Lightroom, Affinity Photo, Final Cut Pro.

Competences for both Windows and Mac operative systems.

Participation to the course in **elaboration and analysis of bioimages by means of ImageJ Software**, held by Università degli Studi dell'Insubria in Busto Arsizio (VA), 13-14/11/2017.

LICENCES

- **Driving Licence** clean and valid for A and B categories, released by Bologna DMV (2001)
- Italian **motor and sail boating licence without limits** from the coast released by Ancona Coastal Guard (2010)
- **APR (drone) pilot attestation** for non-critical operations released by Italian Civil Aviation Authority (ENAC) (2018)

EDITORIAL BOARD

- Scientific Editorial Board of Genoa University Press.

SCIENTIFIC PROJECTS & EXPEDITIONS

Dates August 2022
Project **Expedicion Istmo de Ofqui** – Patagonia, Chile
Description Research expedition in the Istmo de Ofqui (Chilean Patagonia) for benthic square sampling and zoological samples collection. Scientific Director Dr. Giovanni Daneri. Personal duties included 4 scientific scuba dives, laboratory activities and taxonomical and benthic coverage analysis of underwater squares pictures.

- Dates February – March 2019
Project **FIC BIP4000236** Patagonia, Chile
Description Research expedition in the Fjord Chilean Region (Puyuhuapi and Jacaf fjords, Moraleda channel) for benthic square sampling, soft bottom video transects, hydrozoan samples collection and laboratory analysis of clearance rate and seston depletion of the bivalves *Aulacomya atra* and *Gari solida*. Scientific Director Dr. Giovanni Daneri. Personal duties included 23 scientific scuba dives (benthic squares photography, photo- and videotransects, zoological sampling collection), laboratory activities and taxonomical and benthic coverage analysis of underwater squares pictures.
- Dates February 2018
Project **FIC BIP4000236** Patagonia, Chile
Description Research expedition in the Fjord Chilean Region (Puyuhuapi and Jacaf fjords) for benthic square sampling, sponge samples collection and laboratory analysis of clearance rate and seston depletion of the bivalves *Leukoma antiqua* and *Gari solida*. Scientific Director Dr. Giovanni Daneri. Personal duties included 34 scientific scuba dives (benthic squares photography, zoological sampling collection), laboratory activities and taxonomical and benthic coverage analysis of underwater squares pictures.
- Dates 2015 – 2018
Project **MARINE STRATEGY LIGURIA**
Description Cooperation between Ligurian Regional Environmental Protection Agency (ARPAL) and Genoa University for the application of EU Marine Strategy framework. Personal duties regarded the investigation for alien species in macrozoobenthic communities: scuba diving benthic scraping and underwater photography inside Ligurian harbours (Genoa and La Spezia) and subsequent taxonomic analysis, and taxonomic sorting and identification of soft bottoms samples.
- Dates September 2017
Project **CIEP – Centro IDEAL** Patagonia, Chile
Description Research expedition at Isla Madre de Dios, in Southern Chile, for benthic square sampling, and zoological samples collection. Scientific Directors Dr. Giovanni Daneri and Dr. Rodrigo Torres. Personal duties included 10 scientific scuba dives (benthic squares photography, zoological sampling collection) and taxonomical and benthic coverage analysis of underwater squares pictures.
- Dates August 2016 – March 2017
Project **COPAS Sur Austral** Patagonia, Chile
Description Research expedition in the Fjord Chilean Region (Puyuhuapi and Jacaf fjords) for benthic square sampling, sponge samples collection and laboratory analysis of clearance rate and seston depletion of the bivalves *Aulacomya atra* and *Zygochlamys patagonica*. Scientific Director Dr. Giovanni Daneri. Personal duties included 30 scientific scuba dives (benthic squares photography, zoological sampling collection), laboratory activities and taxonomical and benthic coverage analysis of underwater squares pictures.
- Dates May 2015
Project **CoNISMa TAVOLARA IX**, Tavolara (OT)
Description Ecological studies on the different biocoenoses living on carbonates and granitic rocks. Personal duties included 10 scientific scuba dives (visual census, benthic squares photography and zoological samples collection).
- Dates August 2014
Project **LAWIBLUE** Patagonia, Chile
Description Research expedition in the Fjord Chilean Region (Puyuhuapi and Jacaf fjords) for zoological and ecological studies on biodiversity and distribution of benthic communities inside the fjords. Scientific Director Dr. Giovanni Daneri. Personal duties included 20 scientific scuba dives (benthic squares photography, zoological sampling collection) and taxonomical and benthic coverage analysis of underwater squares pictures.
- Dates 2014
Project **UNIGE PRA 2014**
Description Project founded by the Genoa University focused on the impact of alien species on Ligurian environments. Personal duties included scientific scuba dives (visual census, benthic squares photography, zoological samples collection).
- Dates 2013
Project **CoNISMa MARINE STRATEGY UO GE_Bavestrello**
Description Taxonomic and ecological studies on marine biocoenoses of the Portofino MPA. Personal duties included scientific scuba dives (visual census, benthic squares photography, zoological samples collection) and taxonomical identification and coverage analysis of underwater pictures.
- Dates 2012
Project **CoNISMa RITMARE** flag project

Description Taxonomic and ecological studies on the marine biocoenoses. Scientific coordinator: F. Boero. Personal duties included scientific scuba dives (visual census, benthic squares photography, zoological samples collection).

Dates May – September 2009

Project **CoNISMa MATTM_3 AMP**, Capo Caccia (SS), Plemmirio (SR), Lampedusa (AG)

Description Taxonomic and ecological studies on the marine cave biocoenoses and the impact of scuba diving on sessile invertebrates in the MPAs "Capo Caccia", "Plemmirio" and "Isole Pelagie". Personal duties included scientific scuba dives (visual census, benthic squares photography, zoological and geological samples collection).

Dates 2005 – 2007

Project Scientific stage in Indonesian Archipelago

Description Ecological studies on hydrozoans and anthozoans in the Marine Park of Bunaken (North Sulawesi, Indonesia) and experiments on soft corals transplantation and farming. Personal duties included scientific scuba dives (belt transects, visual census, underwater photography, zoological samples collection and coral transplantation).

2004: Participation to the theoretical and practical course about the biology of the great white shark (*Carcharodon carcharias*) held by White Shark Projects in Gaansbay, South Africa.

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- 8 Bavestrello G., Bo M., Bertolino M., **Betti F.**, Cattaneo-Viatti R. (2014) Long-term comparison of structure and dynamics of the red coral metapopulation of the Portofino Promontory (Ligurian Sea): a case-study for a Marine Protected Area in the Mediterranean Sea. *Marine Ecology*, 36: 1-10.
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- 10 **Betti F.**, Cattaneo-Viatti R., Bava S. (2015a) Northernmost record of *Godiva quadricolor* (Gastropoda: Nudibranchia) in the SCI "Fondali Noli – Bergeggi" (Ligurian Sea). *Marine Biodiversity Records*, 8: e26.
- 11 **Betti F.**, Cattaneo-Viatti R., Bava S. (2015b) First records from the Ligurian Sea of the cold water species *Okenia aspersa* and *Doto koenckeri* (Gastropoda: Nudibranchia). *Marine Biodiversity Records*, 8: e105.
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Books

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- 11 Bavestrello G., Abbiati M., Angiolillo M., **Betti F.**, Bo M., Canese S., Cattaneo-Vietti R., Cau A., Corriero G., Costantini F., Giusti M., Priori M., Salvati E., Sandulli R., Santangelo G., Tunesi L. (2014) Remotely Operated Vehicles (ROVs) as powerful tools for the evaluation of the conservation status of deep red coral banks. In: *Proceedings of the 2nd Mediterranean Symposium on the conservation of Coralligenous & other Calcareous Bio-Concretions*, 31-36.
- 12 Bo M., Bava S., Canese S., Angiolillo M., Cattaneo-Vietti R., **Betti F.**, Cau A., Bavestrello G. (2014) Fishing impact on deep Italian rocky habitats. In: *Biologia Marina Mediterranea*, 21: 142-145.
- 13 Ferranti M.P., **Betti F.**, Bo M., La Fuente Mancebo G., Di Camillo C.G., Di Franco A., Di Martino E., Fava F., Giaccone T., Giussani V., Matrone M., Mussat Sartor R., Musco L., Pica D., Ragazzola F., Renzi M., Scinto A., Sinagra A., Tazioli S., Bertolino M. (2015) APP Pinneggiando: la tecnologia al servizio della biologia marina. In: *Biologia Marina Mediterranea*, 22: 223-224.
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- 15 Bavestrello G., Bertolinò M., **Betti F.**, Bianchi C.N., Bo M., Cattaneo-Vietti R., Montefalcone M., Morri C. (2016) Nuove prospettive nello studio del coralligeno mediterraneo. In: *Biologia Marina Mediterranea*, 23: 170-173.
- 16 Fravega L., Bavestrello G., **Betti F.**, Bo M., Cappanera V., Venturini S., Cattaneo-Vietti R. (2017). Scuba diving impact on the red coral population of the Portofino MPA. In: *Biologia Marina Mediterranea*, 24: 144-145.
- 17 Ravanetti G., Bavestrello G., **Betti F.**, Bo M., Cappanera V., Enrichetti F., Nonnis-Marzano F., Venturini S., Cattaneo-Vietti R. (2017) Impatto delle attività di pesca sulla popolazione di *Paramuricea clavata* nell'AMP di Portofino. In: *Biologia Marina Mediterranea*, 24: 124-125.
- 18 Micaroni V., Strano F., Di Franco D., De Felice J., Langeneck J., Gravili C., Bertolino M., Rindi F., Froglija C., Nicoletti L., Medaglia P., Zuccarello V., Arzeni S., Giangrande A., Bo M., **Betti F.**, Mastrototaro F., Lattanzi L., Piraino S., Boero F., 2017. "Biodiversity Mare Tricase" Programme: Biodiversity research, monitoring and promotion at Avamposto Mare (Tricase Le, Italy). In: *Biologia Marina Mediterranea*, 24: 152-153.

POSTERS AND COMMUNICATIONS

- 1 Poster "Epibiosis of *Madreporaria* on *Paromola cuvieri* (Brachyura: Homolidae) in the Ionian Sea" Martinelli M., **Betti F.**, Gattelli R., Froglija C., presented at the 9th Colloquium Crustacea Decapoda Mediterranea, 2-6th September 2008, Turin (To).
- 2 Poster "Epibiosi di un ascidia coloniale su *Inachus communissimus* (Decapoda, Inachidae) nell'Adriatico centro-settentrionale" Martinelli M., **Betti F.**, Puce S., Bavestrello G., presented at the 69th Congress of the Italian Zoological Union (UZI), 22-25th September 2008, Senigallia (An).
- 3 Communication "Peculiar life histories of the rocky benthic fauna of marine SIC of Marche" Calcinaï B., Bavestrello G., **Betti F.**, Bo M., Cerrano C., Di Camillo C.G., Martinelli M., Puce S. and Tazioli S., to be presented at the 40th Congress of the Italian Society of Marine Biology (SIBM), May 2009, University of Genoa, Livorno (Ge).
- 4 Poster "La storia vitale di *Cornularia cornucopiae* (Cnidaria, Octocorallia) sul promontorio del Conero" **Betti F.**, Di Camillo C.G., Bo M. and Bavestrello G., presented at the 70th Congress of the Italian Zoological Union (UZI), September 2009, University of Genoa, Rapallo (Ge).

- 5 Communication "Dispersione e persistenza di *Eudendrium racemosum* (Cnidaria, Hydrozoa) del promontorio del Conero (Mar Adriatico)" Di Camillo C.G., **Betti F.**, Bo M., Leandri A., Martinelli M., Megina C., Puce S. and Bavestrello G., presented at the 70th Congress of the Italian Zoological Union (UZI), September 2009, University of Genoa, Rapallo (Ge).
- 6 Communication "Analisi comparativa tra popolamenti di grotte sottomarine diversamente frequentate dall'attività subacquea" Scinto A., Pantaleo U., Di Camillo C.G., **Betti F.**, Bavestrello G., Cerrano C., presented at the 41st Congress of the Italian Society of Marine Biology (SIBM), May 2010, University of Genoa, Rapallo (Ge).
- 7 Communication "The benthic assemblage of Conero Promontory: a model for the study of seasonal cycles in the North Adriatic Sea" Di Camillo C.G., Bo M., Bartolucci I., **Betti F.**, Calcinai B., Cerrano C., Coppari M., Martinelli M., Puce S. and Bavestrello G., presented at the 41st Congress of the Italian Society of Marine Biology (SIBM), May 2010, University of Genoa, Rapallo (Ge).
- 8 Communication "Life history of *Ectopleura crocea* (Cnidaria: Hydrozoa) on a wreck in the North Adriatic Sea." Di Camillo C.G., Giordano G., Bo M., **Betti F.**, Mori M., Puce S. and Bavestrello G., presented at the 7th Workshop of the Hydrozoan Society, Symposium Life cycles and reproduction, September 2010, University of Salento, Lecce (Le).
- 9 Communication "Seasonal cycles in Adriatic sponges" Di Camillo C.G., Bo M., Bartolucci I., Coppari M., Bertolino M., **Betti F.**, Calcinai B., Cerrano C. and Bavestrello G., presented at the 8th World Sponge Conference, Session Population Biology, 20-24th September 2010, Girona, Spain.
- 10 Poster "An overview of the worldwide involvement of SCUBA diver volunteers in scientific research programs" Cerrano C., Bertolino M., **Betti F.**, Palma M., Pantaleo U., Previati M., Rossi G., Scinto A., Turicchia E., Valisano L., Ponti M., presented at the 2nd International Workshop on Research in Shallow Marine and Fresh Water Systems, 3-10th October 2010, Milazzo (Me).
- 11 Communication "Reef Check: involvement of SCUBA diver volunteers in the Coastal Environment Monitoring Protocol for the Mediterranean Sea" Ponti M., Rossi G., Bertolino M., **Betti F.**, Palma M., Pantaleo U., Previati M., Scinto A., Huete Stauffer C., Turicchia E., Perlini R.A., Leoni G., Fava F., Cerrano C., presented at the 9th International Temperate Reefs Symposium, 26th June - 1st July 2011, Plymouth (UK).
- 12 Communication "Peculiar life cycles of benthic organisms in the North Adriatic Sea (Mediterranean Sea)" Di Camillo C.G., **Betti F.**, Bo M., Calcinai B., Cerrano C., Martinelli M., Puce S. and Bavestrello G., presented at the World Conference on Marine Biodiversity, Taxonomy and Biodiversity, 26-30th September 2011, Aberdeen, Scotland.
- 13 Poster "Gli stadi larvali di *Mytilus galloprovincialis* Lamarck, 1819 come principale risorsa trofica per gli cnidari bentonici del nord adriatico" Di Camillo C.G., **Betti F.**, Bo M., Cerrano C., Fioretti A., Mori M., Paroncini P., Bavestrello G., presented at the 73rd Congress of the Italian Zoological Union (UZI), 24-27th September 2012, University of Firenze (Fi).
- 14 Poster "Gli antozoi (Cnidaria: Anthozoa) dell'Amp "Isola di Bergeggi" (Sv)" **Betti F.**, Bavestrello G., Cattaneo-Vietti R., Bava S., presented at the 40th congress of the Italian Society of Biogeography (SIB), 29-31st May 2013, Rapallo (Ge).
- 15 Communication "Stability of a sponge community of a Mediterranean rocky cliff during a 25 year period" Pansini M., Bertolino M., **Betti F.**, Bo M., Cattaneo-Vietti R., Romero J., Bavestrello G., presented at the 9th World Sponge Conference, 4-8th November 2013, Fremantle Australia.
- 16 Communication "Fishing impact on deep Italian rocky habitats" Bo M., Bava S., Canese S., Angiolillo M., Cattaneo-Vietti R., **Betti F.**, Cau A., Bavestrello G., presented at the 45th Congress of the Italian Society of Marine Biology (SIBM), 19-23rd May 2014, Venice.
- 17 Communication "Fishing impact on Italian deep coral gardens and management of these vulnerable marine ecosystems" Bo M., Angiolillo M., Bava S., **Betti F.**, Canese S., Cattaneo-Vietti R., Priori C., Sandulli R., Santangelo G., Tunesi L., Bavestrello G. presented at the 1st Mediterranean Symposium on the conservation of Dark Habitats, 31st October 2014, Portorož, Slovenia.
- 18 Communication "Remotely Operated Vehicles (ROVs) as powerful tools for the evaluation of the conservation status of deep red coral banks" Bavestrello G., Abbiati M., Angiolillo M., **Betti F.**, Bo M., Canese S., Cattaneo-Vietti R., Cau A., Corriero G., Costantini F., Giusti M., Priori M., Salvati E., Sandulli R., Santangelo G., Tunesi L., presented at the 2nd Mediterranean Symposium on the conservation of Coralligenous & other Calcareous Bio-Concretions, 29-30th October 2014, Portorož, Slovenia.
- 19 Poster "Estudio de la variacion de abundancia y biodiversidad de la comunidad bentonica del seno Magdalena (Canal Puyuhuapi)" **Betti F.**, Bo M., Bavestrello G., Loi A., Wanderlingh A., Daneri G., presented at Congreso de Ciencias del Mar, 25-29th May 2015, Coquimbo, Chile.
- 20 Poster "Las esponjas del Canal Puyuhuapi (Patagonia Cilena)" Bertolino M., **Betti F.**, Bo M., Bavestrello G., Pansini M., A. Reboa, Daneri G., presented at Congreso de Ciencias del Mar, 25-29th May 2015, Coquimbo, Chile.
- 21 Poster "APP Pinneggiando: technology at the service of marine biology" Ferranti M.P., **Betti F.**, Bo M., La Fuente Mancebo G., Di Camillo C.G., Di Franco A., Di Martino E., Fava F., Giaccone T., Giussani V., Matrone M., Mussat Sartor R., Musco L., Pica D., Ragazzola F., Renzi M., Scinto A., Sinagra A., Tazioli S., Bertolino M., presented at the 46th Congress of the Italian Society of Marine Biology (SIBM), 10-22nd June 2015, Rome.
- 22 Communication "The intertidal hydroid *Paracoryne huvei*: history of massive winter blooms in the North-western Mediterranean Sea" **Betti F.**, Bavestrello G., Bianchi C.N., Morri C., Righetti E., Bava S., Bo M., presented at the 8th Workshop of the Hydrozoan Society, 20th-27th June 2015, Ischia.
- 23 Poster "Comparison of the sponge community of a semisubmerged marine cave of the Ligurian Sea after 54 years" Nepote E., **Betti F.**, Bo M., Bavestrello G., Pansini M., Bertolino M., presented at the 47th Congress of the Italian Society of Marine Biology (SIBM), 13-17th June 2015, Turin.
- 24 Communication "Nuove prospettive nello studio del coralligeno mediterraneo" Bavestrello G., Bertolino M., **Betti F.**, Bianchi C.N., Bo M., Cattaneo-Vietti R., Montefalcone M., Morri C., presented at the 47th Congress of the Italian Society of Marine Biology (SIBM), 13-17nd June 2016, Turin.

- 25 Communication "Opisthobranch assemblage composition and seasonality in a Mediterranean littoral unconsolidated wave-disturbed community" **Betti F.**, Cattaneo-Vietti R., Bava S., presented at the World Congress of Malacology 2016 (WCM), 18-24th July 2016, Penang (Malaysia).
- 26 Digital poster "Biodiversity Mare Tricase Programme: Biodiversity research, monitoring and promotion at Avamposto Mare (Tricase Le, Italy)" Micaroni V., Strano F., Di Franco D., De Felice J., Langeheck J., Gravili C., Bertolino M., Rindi F., Froglià C., Nicoletti L., Medaglia P., Zuccarello V., Arzeni S., Giangrande A., Bo M., **Betti F.**, Mastrototaro F., Lattanzi L., Piraino S., Boero F., presented at the 48th Congress of the Italian Society of Marine Biology (SIBM), 07-09th June 2017, Rome.
- 27 Digital poster "Scuba diving impact on the red coral population of the Portofino MPA" Fravega L., Bavestrello G., **Betti F.**, Bo M., Cappanera V., Venturini S., Cattaneo-Vietti R., presented at the 48th Congress of the Italian Society of Marine Biology (SIBM), 07-09th June 2017, Rome.
- 28 Digital poster "Fishing impact on the red Mediterranean gorgonian *Paramuricea clavata* of the Portofino MPA" Ravanetti G., Bavestrello G., **Betti F.**, Bo M., Cappanera V., Enrichetti F., Nonnis-Marzano F., Venturini S., Cattaneo-Vietti R., presented at the 48th Congress of the Italian Society of Marine Biology (SIBM), 07-09th June 2017, Rome.
- 29 Digital poster "Deep coralligenous biodiversity and artisanal fishing effort: the case of the Maledetti shoal (Savona, Ligurian Sea)" Enrichetti F., Bava S., Bavestrello G., **Betti F.**, Bo M., presented at the 78th Congress of the Italian Zoological Union (UZI), 18-23rd September 2017, Torino.
- 30 Poster "Anthropic pressure and environmental sustainability in the Portofino MPA (Ligurian Sea)" **Betti F.**, Bo M., Cappanera V., Coppari M., Enrichetti F., Fravega L., Ravanetti G., Venturini S., Cattaneo-Vietti R., presented at the 78th Congress of the Italian Zoological Union (UZI), 18-23rd September 2017, Torino. **Winner of UZI Poster Award 2017.**
- 31 Poster "Ligurian Seamounts: unveiling deep biodiversity and new Mediterranean VMEs" Bo M., Coppari M., **Betti F.**, Canese S., Costantini F., Massa F., Bavestrello G., presented at the 15th Deep-Sea Biology Symposium, 9-14th September 2018, Monterey, California (USA).
- 32 Communication "*Antipathella subpinnata* as model species: life history and autoecology" **Coppari M.**, Mestice F., van de Water J., Ferrier-Pagès C., **Betti F.**, Costantini F., Bertuccio V., Bavestrello G., Bo M., presented at the 15th Deep-Sea Biology Symposium, 9-14th September 2018, Monterey, California (USA).
- 33 Communication "Biodiversity and vulnerability of the Ligurian deep circalittoral megabenthic communities" **Enrichetti F.**, Toma M., Dominguez-Carriò C., Bavestrello G., **Betti F.**, Canese S., Cattaneo-Vietti R., Bo M., presented at the 15th Deep-Sea Biology Symposium, 9-14th September 2018, Monterey, California (USA).
- 34 Communication "*Antipathella subpinnata* as model species species: life history and autoecology" **Coppari M.**, Mestice F., van de Water J., Ferrier-Pages C., **Betti F.**, Costantini F., Bertuccio V., Bavestrello G., Bo M., presented at the 79th Unione Zoologica Italiana, 25-28th September 2018, Lecce (Italy).
- 35 Communication "Megabenthic biodiversity and anthropogenic disturbance of the Ligurian deep continental shelf" **Enrichetti F.**, Toma M., Dominguez-Carriò C., Bavestrello G., **Betti F.**, Canese S., Cattaneo-Vietti R., Bo M., presented at the 79th Unione Zoologica Italiana, 25-28th September 2018, Lecce (Italy).
- 36 Communication "Sailing on the beach: genetic characterization of *Veleva veleva* and its predator *Janthina pallida* stranded on the Ligurian coast" **Costantini F.**, Morello B., Bo M., **Betti F.**, Bavestrello G., Abbiati M., presented at the 4th International Marine Connectivity (iMarCo) Conference, 8-9th October, Crete, Greece.
- 37 Communication "Deep-sea sensitive habitats identification: two examples from the Ligurian Sea (NW Mediterranean Sea)" **Enrichetti F.**, Bavestrello G., **Betti F.**, Canese S., Bava S., Bo M., presented at the Forum on fisheries science in the Mediterranean and the Black Sea, 10-14th December 2018, FAO, Rome (Italy).
- 38 Communication "Differenze strutturali nelle comunità coralligene insediate su rocce carbonatiche e granitiche dell'AMP Tavolara Punta Coda Cavallo (Sardegna nord-orientale)" **Canessa M.**, Bavestrello G., Bo M., Trainito E., Panzalis P., Navone A., **Betti F.**, Cattaneo-Vietti R., presented at the 50th Congress of the Italian Society of Marine Biology (SIBM), 10-14th June 2019, Livorno.
- 39 Communication "Foreste animali mesofotiche del Mar Ligure" **Enrichetti F.**, Dominguez-Carriò C., Toma M., Bavestrello G., **Betti F.**, Canese S., Bo M., presented at the 50th Congress of the Italian Society of Marine Biology (SIBM), 10-14th June 2019, Livorno.
- 40 Communication "Idrozoi, sentinelle dei cambiamenti climatici sulle scogliere mediterranee" **Betti F.**, Bo M., Enrichetti F., Bavestrello G., presented at the 50th Congress of the Italian Society of Marine Biology (SIBM), 10-14th June 2019, Livorno.

