

MODELLO EUROPEO PER IL CURRICULUM VITAE



INFORMAZIONI PERSONALI

Nome	MARCO ABBIATI
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Nazionalità	Italian
Data di nascita	22 AGUST 1958

ESPERIENZA LAVORATIVA

- Date (da – a) **13 JUNE 2020**
 - Nome dell'azienda e città Ministry of Foreign Affairs and International Cooperation
 - Tipo di società/ settore di attività Embassy of Italy to Vietnam
 - Posizione lavorativa Science and Technology Counsellor
- Principali mansioni e responsabilità Promoting scientific and technological cooperation between Italy and Vietnam

- Date **1 NOVEMBRE 2002**
 - Nome dell'azienda e città Ministry of Education, University and Research
 - Tipo di società/ settore di attività Alma Mater Studiorum – University di Bologna
 - Posizione lavorativa Full professor
- Principali mansioni e responsabilità Professor in Ecology

- Date **1 NOVEMBRE 1998**
 - Nome dell'azienda e città Ministry of Education, University and Research
 - Tipo di società/ settore di attività Alma Mater Studiorum – University di Bologna
 - Posizione lavorativa Associate professor
- Principali mansioni e responsabilità Professor in Ecology

- Date **1 GENNAIO 1991**
 - Nome dell'azienda e città Ministry of Education, University and Research
 - Tipo di società/ settore di attività University of Pisa
 - Posizione lavorativa Research manager
- Principali mansioni e responsabilità Responsible for the Molecular Ecology lab

- Date **MAGGIO 1984 – NOVEMBRE 1985**
 - Nome dell'azienda e città Ministry of Defence
 - Tipo di società/ settore di attività Italian Navy
 - Posizione lavorativa Non-Commissioned Officer

<ul style="list-style-type: none"> • Principali mansioni e responsabilità 	Health services
ISTRUZIONE E FORMAZIONE	
<ul style="list-style-type: none"> • Date 	2001-2002
<ul style="list-style-type: none"> • Nome e tipo di istituto di istruzione o formazione 	School of Business Management, Luigi Bocconi Trade University, Milan
<ul style="list-style-type: none"> • Principali studi / abilità professionali oggetto dello studio 	Master in Management Skills
<ul style="list-style-type: none"> • Qualifica o certificato conseguita 	Master Diploma
<ul style="list-style-type: none"> • Eventuali livelli nella classificazione nazionale (se pertinente) 	
<ul style="list-style-type: none"> • Date (dal – al o attualmente se si tratta del proprio impiego corrente) 	AA 1985/86 - 1988/89
<ul style="list-style-type: none"> • Nome e tipo di istituto di istruzione o formazione 	University of Genova – consortium coordinator
<ul style="list-style-type: none"> • Principali studi / abilità professionali oggetto dello studio 	Doctorate of Research in Environmental Sciences (Science of the Sea)
<ul style="list-style-type: none"> • Qualifica o certificato conseguita 	Doctor of Research (PhD Equivalent)
<ul style="list-style-type: none"> • Eventuali livelli nella classificazione nazionale (se pertinente) 	
<ul style="list-style-type: none"> • Date (dal – al o attualmente se si tratta del proprio impiego corrente) 	AA 1977/78 -1982/83
<ul style="list-style-type: none"> • Nome e tipo di istituto di istruzione o formazione 	University of Pisa
<ul style="list-style-type: none"> • Principali studi / abilità professionali oggetto dello studio 	Master degree in Biological Sciences
<ul style="list-style-type: none"> • Qualifica o certificato conseguita 	Master Degree
<ul style="list-style-type: none"> • Eventuali livelli nella classificazione nazionale (se pertinente) 	
<ul style="list-style-type: none"> • Date (dal – al o attualmente se si tratta del proprio impiego corrente) 	1970 - 1976
<ul style="list-style-type: none"> • Nome e tipo di istituto di istruzione o formazione 	Russian High School at the USSR Embassy in Prague
<ul style="list-style-type: none"> • Principali studi / abilità professionali oggetto dello studio 	Equivalent to scientific high school
<ul style="list-style-type: none"> • Qualifica o certificato conseguita 	High School Diploma
<ul style="list-style-type: none"> • Eventuali livelli nella classificazione nazionale (se pertinente) 	

**CAPACITÀ E COMPETENZE
PERSONALI**

MADRELINGUA

ITALIAN

ALTRE LINGUE

ENGLISH

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

EXCELLENT
VERY GOOD
EXCELLENT

ALTRE LINGUE

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

RUSSIAN

EXCELLENT

VERY GOOD

EXCELLENT

CAPACITÀ E COMPETENZE RELAZIONALI

EXPERIENCES OF COORDINATION OF WORKING GROUPS IN NATIONAL AND INTERNATIONAL RESEARCH PROJECTS, COLLABORATION WITH NATIONAL AND INTERNATIONAL COMPANIES FOR THE DEVELOPMENT OF TECHNOLOGICAL INNOVATION PROJECTS. WORKING ABROAD IN DIFFERENT COUNTRIES WITH EXCELLENT ABILITY FOR ADAPTATION TO THE LOCAL CONTEXT AND FOR INTEGRATION IN WORKING GROUPS TO WHICH HE CONTRIBUTES WITH A PERSONAL INPUTS. GOOD RELATIONAL, NEGOTIATION, CONFLICT SOLUTION AND COORDINATION SKILLS

CAPACITÀ E COMPETENZE ORGANIZZATIVE

COORDINATION AND MANAGEMENT OF RESEARCH GROUPS. COORDINATION AND MANAGEMENT OF NATIONAL AND INTERNATIONAL RESEARCH PROJECTS. TECHNOLOGY TRANSFER TO ENTERPRISES. PARTICIPATION, DIRECTION AND COORDINATION OF ACADEMIC INSTITUTIONS, RESEARCH AND TEACHING COMMISSIONS. PARTICIPATION IN NATIONAL DELEGATIONS IN SUPRANATIONAL INSTITUTIONS FOR THE MANAGEMENT OF ENVIRONMENTAL RESOURCES

CAPACITÀ E COMPETENZE TECNICHE

EXPERIENCE WITH MICROSOFT OFFICE PACKAGE IN TEXT PROCESSING, PRESENTATIONS, DATA STORAGE, DATA ANALYSIS, GRAPHIC REPRESENTATION OF DATA. ENVIRONMENTAL RESEARCH ACTIVITIES IN THE FIELD AND IN THE LABORATORY. SCIENTIFIC PUBLICATION. DRAFTING OF SCIENTIFIC ARTICLES, TECHNICAL REPORTS, RESEARCH PROJECTS, EDUCATIONAL ACTIVITIES. DISSEMINATION AND PROMOTION OF SCIENCE

CAPACITÀ E COMPETENZE ARTISTICHE

LAND AND UNDERWATER PHOTOGRAPHY. INTEREST IN CINEMA AND LITERATURE

ALTRE CAPACITÀ E COMPETENZE

SCUBA DIVING INSTRUCTOR FIPSAS/CMAS **, UNDERWATER RESEARCHER CERTIFICATE, SKI MOUNTAINEERING, HIKING

PATENTE O PATENTI

Driving Licence A and B, Boat Licence

ULTERIORI INFORMAZIONI

ALLEGATI

1 – Professional Experiences

2 – Scientific publications in journals reviewed by WoS

Autorizzo il trattamento dei dati personali, secondo quanto previsto dalla Legge 196/03

Annex 1 –Professional Experiences

Work Experience

- 1989-1990 University of Oslo, Dept of Biology; Post-doctoral fellowship by the Italian Ministry of Foreign Affairs; main activities - Research in population genetics and community ecology
- 1991-1998 University of Pisa, Dept of Science of the Environment and Territory; Research manager; main activities - research in population genetics and community ecology, responsible for the Laboratory of evolutionary ecology; studies on management of coastal habitats and environmental impact assessment
- 1997,1998 University of Sydney, Centre for Ecological Impacts of Coastal Cities; Visiting researcher for 4 months; main activities - Research in community ecology, development of collaborations in science and education
- 1998-2002 University of Bologna, Dept of Experimental Evolutionary Biology; Associate professor in Ecology; Main activities - Research in applied ecology and environmental quality assessment, including population ecology and genetics; responsible for the Lab of Experimental Ecology; Member of the Board of the Dept of Biology; Member of the Board of the PhD in Environmental Sciences
- 2002-2005 University of Bologna, Dept of Experimental Evolutionary Biology; Tenure track Full Professor in Ecology; main activities - Research in applied ecology and environmental quality assessment, including population ecology and genetics; Member of the Board for the quality assessment of the research
- 2005-2017 Full Professor in Ecology, University of Bologna, 2005-2017 Department of Biological, Geological and Environmental Sciences (Former Dept of Experimental Evolutionary Biology); main activities - Research in applied ecology and environmental quality assessment, including population ecology and genetic; Member of the Board for the for the quality assessment of the research; 2008-2011 Founder and President of the Corso di Laurea Magistrale in Biologia Marina. Since 2018 moved to the Department of Cultural Heritage.
- 2003, 2011 University of Maryland, Centre of Marine Biotechnology; short visit; main activities - scientific collaboration, promoting collaboration in educational programs
- 2006-2007 University of Adelaide, Southern Seas Ecology Laboratories; 3 months visiting scientist; main activities - Research in applied marine ecology and evolutionary ecology, promoting collaboration in educational programs, seminars
- 2011 Wesleyan University, Hearth and Environmental Sciences Dept; 1 months visiting scientist; main activities - Scientific collaboration, writing manuscripts
- 2013 University of California Santa Cruz; 3 month visiting scientist; main activities - research in applied evolutionary ecology, promoting collaboration in educational programs, seminars
- 2017 Université Paris-Sorbonne, Pierre et Marie Curie, Observatoire Océanologique de Banyuls, visiting scientist; main activities - research in applied evolutionary ecology, promoting collaboration in educational programs, Member of the Scientific Advisory Board of the OOB
- 2018- Full Professor in Ecology, Department of Cultural Heritage; main activities - promoting the integration of research and education on cultural and natural heritage using landscape and seascape concepts as a link, developing synergic interactions among research projects and introducing the environmental subjects in the education on cultural heritage, civilizations, history and archaeology.
- 2018-2020 Deputy Director of the Department of Cultural Heritage, University of Bologna
- 2018- Associate Editor of Marine Biodiversity Records BMC Journals
- 2018-2019 Armenia Republic, Yerevan, Ministry of Culture; negotiation and setting up of the ROCHEMP (Regional Office for Cultural Heritage Enhancement, Management and Protection) project funded by AICS, Italian Agency for

- Development Cooperation with the patronage by the President of the Italian Republic
- 2018 Russian Academy of Science, Moscow, AN Severtzov Institute of Ecology and Evolution; visiting scientist, main activities development of collaboration research proposals
- 2020- Counsellor, Science Attaché, Embassy of Italy to Vietnam, Hanoi

In 1998 I moved from the University of Pisa to the University of Bologna – Ravenna Campus where I have been teaching courses on Sustainability, Applied Ecology, Marine Ecology, Environmental management and Conservation, as well as field courses in Marine Biology and Environmental Sciences. I have supervised Master and PhD students for the preparation of the thesis. I have established the Laboratory of Experimental Ecology and promoted the ecological research at the University of Bologna. In 2000-2003 I have organised and directed the II level post-graduate Master in Integrated Coastal Zone Management supported and funded by the Italian Ministry of Environment, the Regional Administration of Emilia Romagna and private companies. In 2006 I set up the Laurea Magistrale in Marine Biology, the course started in 2008 and is very successful, it is attracting students from all over Italy and from abroad. The Ecology research group has now a consolidated reputation, it includes 6 academic staff; post-docs and PhD students. In January 2018 I moved to the Department of Cultural Heritage to develop new collaborations and to strengthen the integration between Natural and Cultural Heritage management and conservation. In May 2018 I was designated deputy director of the Department. In 2018 I have founded the PhD School in Natural and Cultural Heritage of the University of Bologna.

In December 2019 I have been appointed Scientific Attaché at the Embassy of Italy in Hanoi, where I took up the service on 13 June 2020. From 13 June 2020 I am on a temporal leave from the University of Bologna, keeping the position of full professor. In Vietnam I work on the promotion of the Italian excellences in Science and Technology and on the development of the collaboration among the Vietnamese and Italian research institutions. The scientific collaboration between the two countries is based on the Executive Programmes for the Scientific and Technological Cooperation that since 1998 is funding bilateral research projects. The VII EP supported 11 research projects in a variety of fields. Based on the EP I have organised workshop and conferences for the presentation of the results of these studies. The priority areas for the scientific collaboration between the two countries include space science, remote sensing, start-ups and innovation, climate change mitigation, environmental protections and implementation of the Nature Based Solutions. Several projects are focusing of the conservation and restoration of the cultural heritage and on Vietnamese archaeological sites. I carry on these activities in close collaboration with the Ministry of Science and Technology, Ministry of Environment and natural Resources, Ministry of Education and Training. Energy transition became a priority area after the commitments of the Vietnam Government at COP26, and is based on the implementation of new technologies. Italy is engaged in the JETP and I am participation in the working groups on JETP to advice on the possible renewable energies, with a special focus on green hydrogen solutions. Collaboration with the multilateral partners is also important to enhance the sustainability of the economic development. UNDP and UNESCO are my major interlocutors on sustainability and on start up initiatives, respectively.

Transfer of Technology Experience

- 2021 - I am collaborating with UNESCO, MOST, BambuUp on the Vietnam StartUp ecosystems and on the implementation of bilateral cooperation in innovation
- 2019 - ENI – Enhancement and implementation of new methodologies for the Evaluation of Major Risks to the sediment floor due to offshore oil and gas extraction
- 2016 - Trevi S.p.A. – Reliable and innovative technology for the realization of a sustainable MARINE And coastal seabed management PLAN

- 2015 - ERM – Impact assessment of accidental emission of methane from offshore platforms on marine ecosystems
- 2014 - *Sydney Institute of Marine Science (SIMS) – World Harbour Project: Water and sediment quality, Green engineering, Multiple uses and users, Education*
- 2010 - Ministry of Environment – Member of the Italian delegation at CITES CoP15 in Doha (Consultant or marine species)
- 2009 - ENEL – Assessment of the impacts of the thermal discharge of power plants (Consultant)
- 2009 - ENI and TECNOMARE – Evaluating the ecological impact of the different option for the Decommissioning of off-shore platforms (Consultant)
- 2008 - Saipem SpA – Studying and monitoring environmental quality in coastal habitats, and biological and ecological features of the marine environment in relation to human impacts (Consultant)
- 2002 - 2008 ENI – Development of an ecosystem-based approach for the impact assessment of the offshore platforms in the Adriatic Sea (Consultant)
- 1992-1993 Consortium for the Messina Strait (ENI) – Environmental Impact Assessment for the Messina strait crossing by a Submerged Floating Tunnel (SFT)

Organisational Skills and Competences

- 1986 - Organised the first training course in ‘Underwater scientific research’
- 1990 - Member of the Scientific Committee of the NGO Mareamico, for the protection and conservation of the sea, I have contributed in the organisation of the annual meetings Rassegna del Mare
- 1991 - Founded the International School for Scientific Diving at the University of Pisa, to date the ISSD is running Scientific Diving Courses; in 1997, I have organised the First Course-Seminar for the Instructors of European Scientific Divers (EU project under the Marine Science and Technology grant MAS3-CT96-6351)
- 1993-1995 Member of the Board of the Italian Society of Marine Biology, committee for the Management of the Coastal Zone
- 1996-2002 Italian representative in the Board of the Scientific Committee of the CMAS (Confederation Mondiale des Activités Subaquatiques – World Underwater Federation)
- 2001 In the framework of the Offshore Mediterranean Conference OMC 2001, I have organised an International workshop on the Decommissioning of the offshore structures
- 2000 - 2003 I have organised and directed the post-graduate Master in Integrated Coastal Zone Management (70 Credits), with the support of the Italian Ministry of Environment, the Regional Administration of Emilia Romagna and private companies. The course was structured in 10 modules, each led by specialists in the specific research field; I have invited 1 international expert to contribute to each of the 10 modules; I have directed the scientific organisation of the course, the coordination of the class, and of the field and stage activities
- 2003 Member of the Programme Committee of the Offshore Mediterranean Conference OMC 2003 on the theme Environment
- 2003-2006 Member of the Board of the Department of Evolutionary Experimental Biology of the University of Bologna
- 2004-2006 Member of the commission for the Monitoring of the Coastal Environment, in the framework of the scientific voluntary agreement between ENI SpA and the Municipality of Ravenna
- 2005 - 2012 Member of the Board of the Italian Ecological Society, I have been in charge for the communication and the publication of the Newsletters, and contributed to the organization of the annual congresses of the Society
- 2005 - 2017 Member of the Board for the quality assessment of the researchers of the CUN Committee 05 – Biological Sciences at the University of Bologna
- 2005 - 2015 Member of the Scientific Committee of the NGO Cerviamambiente

- 2008 – 2012 Head of the Master degree in Marine Biology. The master degree is organised in 2 years and awards 120 Credits; the registration to the Laurea Magistrale are constantly rising (from 28 in 2007 to about 50 in 2013); the Master degree course is attracting students from all over Italy and from the EU, under the Erasmus Mundus schemes
- 2008 - Principal investigator in the cooperation agreement with Saipem SpA for the monitoring environmental quality in coastal habitats, and biological and ecological features of the marine environment in relation to human impacts
- 2009 - Rector delegate in the Board of the "Consorzio Nazionale Interuniversitario per le Scienze del Mare" (National Interuniversity Consortium for Marine Sciences - CoNISMa), responsible for the Research Units of the University of Bologna, I have promoted the participation of the scientists of the University of Bologna in the research activities of the consortium
- 2009 - 2012 Member of the Board of the Polo Scientifico-Didattico di Ravenna, representing the Faculty of Science
- 2010 Member of the Delegation of the Italian Ministry of Environment at the CITES CoP15 in Doha, as expert in Marine Ecology and Biology I have supported the Italian positions concerning the listing in the Annex II of Cites of marine species of commercial interest
- 2013 - Member of the Board for the selection of the research proposals of the University of Bologna - CUN Committee 05 – Biological Sciences
- 2014 - Member of the board for the quality assessment of the research products in Biology of the University of Bologna
- 2015-2016 Head of the Master degree in Marine Biology
- 2016 - Head of Ravenna Research Unit of the Department of Biological, Geological and Environmental Sciences of the University of Bologna
- 2016 - 2018 Member of the Board of the Ravenna Campus of the University of Bologna, representing the Department of Biological, Geological and Environmental Sciences
- 2016 - 2019 Rector delegate in the Board of the "Life Watch Joint Research Unit" for University of Bologna, I have promoted the participation of the scientists of the University of Bologna in the research activities of the project
- 2017 - Member of the Scientific Advisory Board of the Observatoire Océanologique de Banyuls, Université Paris-Sorbonne, Pierre et Marie Curie
- 2018 - Deputy Director of the Department of Cultural Heritage, University of Bologna
- 2018 - 2021 Appointed in the National Committee for the Abilitazione Scientifica Nazionale of Associate and Full Professors in ecology
- 2018 - 2020 member of the Italian delegation of the University of Bologna/Italian Agency for Cooperation and Development (AICS) in the Armenia Republic, to set up the collaboration with the Ministry of Culture of Armenia for the establishment of the ROCHEMP (Regional Office for Cultural Heritage Enhancement, Management and Protection), that has been inaugurated in July 2018 by the President of Italian Republic Sergio Mattarella
- 2020 - Member of the Scientific Committee of the Asia Institute, University of Bologna, promoting cooperation with Asia on research, training, culture, and business development
- 2020 - collaboration with the UNDP – Hanoi Office – for the organisation of the participation of Viet Nam to the COP26 events in Milano and Glasgow, with a focus on the Youth4Climate: Driving Ambition and resilience to Climate Change
- 2020 - Italian representative in the Mekong Delta Working Group of the International Developmental Partners in Hanoi
- 2021 - collaboration with the UNDP – Hanoi Office, co-supervisor of a consultant for the review of the status of implementation of NBS in Viet Nam as a tool for adaptation and mitigation to Climate Change
- 2021 - collaboration with the UNESCO – Hanoi Office in the framework of the initiative for the technology transfer and the implementation of the start-up ecosystems in Viet Nam

2022 - Collaboration with EURAXESS ASEAN and EUDel to promote the ERASMUS+ activities and the Horizon Europe research programme in Vietnam

Project coordination/participation

Coordinator of several research projects founded by the EU ("Oxic-anoxic interfaces as productive sites" MAS2-CT93-0058; First Course-Seminar for the Instructors of European Scientific Divers grant MAS3-CT96-6351; DELOS - "Environmental Design of Low Crested Coastal Defence Structures", contract EVK3-CT-2000-00041, EUMAR - "European Marine Genetic Biodiversity", contract EVK3-CT-2001-00048, Theseus - "Innovative technologies for safer European coasts in a changing climate", FP7-THEME 6 - Grant 244104; "Reliable and innovative technology for the realization of a sustainable MARINE And coastal seabed management PLAN" *LIFE 2017 MARINAPLAN PLUS* (Grant LIFE15 ENV/IT/000391); "Solutions for sEmi-Automated Monitoring of Benthic Biodiversity", SEAMoBB, MarTERA Cofound ID 145; "Tecnologie per il monitoraggio cOstiero", TAO, POR-FESR Emilia Romagna 2014-2020, Ricerca e innovazione; "Management and sustainable development of protected transitional waters" TWReferenceNet, "Ecological foundations for the governance of the Adriatic coastal space: ecology, monitoring and management of transitional aquatic ecosystems" EcoGovernance - INTEREG IIIB; CADSES, "Training Network for Monitoring Mediterranean Marine Protected Areas (MMMPA) Marie Curie-FP7-PEOPLE-ITN - etc.); Italian Ministries (Artificial Marine Structures – AMS- Multifunctional Tool for Research and Environmental Management in the Mediterranean and Red Sea", PRIN, Progetti di Ricerca di Interesse nazionale: 1999, 2002, 2011, 2015 etc.) and industries (BIOMARE - Sviluppo di una metodologia di monitoraggio delle strutture off-shore in alto Adriatico; BIODIVERSITÀ - Approccio metodologico alla caratterizzazione della biodiversità ed al monitoraggio del ruolo ecosistemico di piattaforme in ambiente offshore, funded by ENI SpA; Evaluating the Ecological impact of the different option for the Decommissioning of the off-shore platforms, in collaboration with ENI and TECNOMARE; Studying and monitoring environmental quality in coastal habitats – SNAMPROGETTI/SAIPEM/ERM; Monitoring the impact of the thermal effluents of Power Plants, funded by ENEL); Sviluppo dei criteri per la valutazione dei grandi rischi per il benthos associate ad eventi accidentali in piattaforme offshore, ENI SpA.

Activity as editor and reviewer

Marine Biodiversity Records BMC Journal - Associate Editor for the Mediterranean Sea
Reviewer for the Research Projects of National Interest (PRIN) by the Italian Ministry of Education, University and Research
Referee for the examination of a Thesis for the Degree of Doctor of Philosophy on behalf of the Universities of Ancona, Lecce, Parma, Pisa, Urbino, as well as Universities of Tel Aviv, Marseilles, Madrid, Tunis
Peer reviewer for the evaluation of the scientific production of the Italian research under the CTR CIVR 2004-2005 and VQR 2004-2010.
Reviewer for the projects of the Programma per Giovani Ricercatori "Rita Levi Montalcini" by the Italian Ministry of Education, University and Research
I have acted as Expert for the EU project evaluation in area of the Sustainable Marine Ecosystems and Support for Research Infrastructures (MAST 2 1993; FP5, 2002, 2003; Interreg 2005, 2008; Quality of life and management of living resources - 1999; Sustainable Marine Ecosystem, Energy Environment and Sustainable Development – 2001; Sustainable Marine Ecosystems and Support for Research Infrastructures 1999-2001)
Referee for the evaluation of a research proposal on behalf of several Italian and European Universities, the Italian Ministry of University and Research and the Israel Science Foundation.
Member of the editorial board of the journals: *ISRN Ecology, Environment, Ecology & Management*.

Reviewer for several international journals, including Aquatic Conservation, Biological Conservation, BMC Ecology, Chemistry and Ecology, Conservation Biology, Coral Reefs, Diseases of Aquatic Organisms, Ecological Indicators, Environmental Pollution, Estuarine Coastal and Shelf Science, Genetica, Hydrobiologia, Invertebrate Zoology, Journal of Experimental Marine Biology and Ecology, Journal of the Marine Biological Association of the UK, Marine Biology, Marine Ecology – an Evolutionary Perspective, Marine Ecology Progress Series, Molecular Ecology, Proceedings of the Royal Society ser. B, Science of the Total Environment, Scientia Marina, and Water Air and Soil Pollution

Technical Skills and Competences

I have been teaching courses on Sustainable Development, Circular Economy, Applied Ecology, Marine Ecology, Ecological Methods for EIA e Interdisciplinary Marine Laboratory, Marine Habitats: Threats and Conservation, Scientific Diving Methods, Economic Development and Alteration of the Ecological Processes, Field Course in Marine Biology. I am member of the Board of the PhD Course in Natural and Cultural Heritage. I have contributed to several national and international research projects, with involvement in management and co-ordination. The projects were dealing with the sustainable development of coastal areas, conservation and management of coastal and transitional waters habitats. Projects dealing with conservation genetics in coastal species and habitats have been carried on in an international partnership.

Author of more than 100 scientific papers on peer reviewed journals; I have presented my researches at numerous scientific conferences and meetings. My research deals with the ecology of coastal habitats, focussing on processes affecting the spatial and temporal organisation of faunal assemblages; genetic structure, connectivity and the adaptive strategies of populations of marine invertebrates to natural and human environmental stressors. I have been also studying the management of coastal areas with the goal of combining coastal development with the conservation and enhancement of the environmental quality. In my scientific activities I have always promoted the integration between basic and applied research to favour the implementation of the new methodologies and technologies in the industrial processes and environmental sustainability. Particularly interesting are the results of the studies on the impact of artificial structure on coastal ecosystems and the possible role they can play as corridors for the spread of local and invasive exotic populations along the developed shores. This research has a relevant applied aspect, considering that coastal ecosystems are under threat worldwide and different types of artificial structures are used to prevent coastal erosion and habitat lost. Studies on estuarine and transitional habitats where dealing with the impact of anthropogenic disturbance on the organisation of the assemblages and genetic structuring of benthic invertebrates. I have been analysing trade-off between environmental conservation and exploitation of the natural resources, in the framework of the application of the EU Directives (e.g. Water Framework and Marine Strategy). Molecular tools have been applied also to investigate connectivity and conservation of marine invertebrates. Studies on population structure, dynamics and genetics of *Corallium rubrum*, the precious red coral par excellence, were valuable to develop a strategy for the conservation of this species, which is a Mediterranean endemism. Red coral has been exploited for thousands of years and recently a major international debate involved this species. Several countries proposed the inclusion of red coral in the Annex II of CITES, however, up to now, no evidences that the species is under risk of extinction have been provided. As member of the Italian delegation I participated in the Doha CoP15 to support the Italian Government in the debate on management of commercial marine species.

Since 2007 I am collaborating on a regular basis with SAIPEM, as a scientific consultant for projects dealing with marine and coastal environment, management of the coastal development, environmental impact and ecological risk assessment.

I have experience of using Microsoft Office tools, Statistical Software packages. My

background includes planning of fieldwork and experimental design, Environmental Impact assessment and Ecological Risk Assessment, Sustainable development strategies, interpretation of ecological data referring to specie assemblages and to population genetic structure. I am an experienced Scientific Diver with many hundreds of hours of underwater research work.

Social Skills and Competences

During my working career I have been living abroad for extended periods. I spent 5 years in Prague during the high school. I have been living independently in Pisa as graduate student. I served as a petty officer in the Navy for 18 months. During the PhD I have been living in Pisa, and I spent research periods in Genoa, Parma, La Spezia, Siena, Firenze. As a post-doc I spent one year in Norway (Oslo and Bergen), and extended research periods in Russia (Moscow, Odessa), UK (Plymouth), Australia (Sydney) USA (California). As a senior Scientist I have been visiting Australia (Adelaide), Sweden (Tjarno), USA (Santa Cruz, Baltimore, Middletown). I have been always appreciating the cultural and attitudinal diversity of each country and enjoyed sharing the different approaches and lifestyle of the people. Wherever I have been living, after a settling period I have been able to integrate in the local communities, to work effectively and to enjoy the free time.

Major academic collaboration

Biology Institute, University of Oslo, Norway
Centre d'Estudis Avancats de Blanes (CEAB-CSIC), Girona, Catalunya, Spagna
Centre of Marine Biotechnology, University of Maryland, Baltimore, USA
Departamento de Biología Marina, Institut de Ciències del Mar (CSIC), Barcelona, Spain
Department of Zoology, George S. Wise Faculty of Life Science, Tel Aviv University, Israel
Dipartimento di Biologia, Università di Pisa, Italy
Dipartimento di Scienze della Vita e dell'Ambiente, Università Politecnica delle Marche
Dipartimento di Scienze e Tecnologie Biologiche e Ambientali, Università del Salento, Italy
Long Marine Laboratory, University of California Santa Cruz, USA
Laboratory of Morphology and Ecology of Marine Invertebrates, Russian Academy of Sciences, Moscow
Marine Biological Association of the United Kingdom, Plymouth, UK

Collaboration with international organizations

UNESCO – Hanoi Office
UNDP – Hanoi Office
EURAXESS ASEAN

Annex 2 – Scientific publications in journals reviewed by WoS (200-2023)

I have published 18 book chapters and more than 100 papers in WoS referred journals, I have 3228 citations with a Hindex = 33 (source Clavariate Web of Science, July 2023)

Publications in WoS Journals from 2000

- Gianni F, Turicchia E, **Abbiati M**, Calcinai B, Caragnano A, Ciriaco S, Costantini F, Kaleb S, Piazzini L, Puce S, Querin S, Rindi F, Solidoro C, Bandelj V, Ponti M, Falace A (2023) Spatial patterns and drivers of benthic community structure on the northern Adriatic biogenic reefs. *Biodiversity and Conservation*, DOI10.1007/s10531-023-02654-3.
- Piazzini L, Turicchia E, Rindi F, Falace A, Gennaro P, **Abbiati M**, Bandelj V, Barbara Calcinai B, Ciriaco S, Costantini F, Gianni F, Kaleb S, Puce S, Ponti M (2023) NUMBER: A biotic index for assessing the ecological quality of mesophotic biogenic reefs in the northern Adriatic Sea. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 33(3): 298-311
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