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# CURRICULUM VITAE

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Updated December 31, 2017



## **Stefano Goffredo Ph.D.**

Coral Ecology and Biology & Citizen Science Laboratories

Marine Science Group

Department of Biological, Geological, and Environmental Sciences

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**Date of birth:** January 27, 1969

**Place of birth:** Bologna, Italy

**Civil Service:** 1996-1997

**Marital Status:** Celibate

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## 1. EDUCATION

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### Master and Ph.D.

Year	University/Institute	Department	Degree
1995	Alma Mater Studiorum - University of Bologna	Department of Evolutionary and Experimental Biology	Master (M. Sc.)
2000	Alma Mater Studiorum - University of Bologna	Department of Evolutionary and Experimental Biology	Research Doctorate (Ph. D.)

Title of Master Thesis (M. Sc. Thesis): Growth of *Ctenactis echinata* (Pallas, 1766) and *Fungia fungites* (Linnaeus, 1758) (Scleractinia, Fungiidae) on a coral reef at Sharm el Sheikh, Red Sea, South Sinai, Egypt. Supervisor: Prof. Francesco Zaccanti

Title of Research Doctorate Thesis (Ph. D. Thesis): Population dynamics and reproductive biology of the solitary coral *Balanophyllia europaea* (Anthozoa, Scleractinia) in the northern Tyrrhenian Sea. Supervisor: Prof. Francesco Zaccanti

### Post Doctorate

Year	University/Institute	Department	Research field	Fellowship Funds
2000-2001	Alma Mater Studiorum - University of Bologna	Department of Evolutionary and Experimental Biology	Biology and Ecology of Mediterranean Corals	Sub Service s. r. l. - Scuba Schools International Italia
2001-2003	Alma Mater Studiorum - University of Bologna	Department of Evolutionary and Experimental Biology	Reproductive biodiversity and demography in tropical and Mediterranean populations of solitary corals (Anthozoa, Scleractinia)	University of Bologna
2003-2004	Alma Mater Studiorum - University of Bologna	Department of Evolutionary and Experimental Biology	Monitoring of Mediterranean Sea biodiversity	Canziani foundation of the Department of Evolutionary and Experimental Biology

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## 2. AREAS OF SCIENTIFIC INTEREST

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**Coral ecology and biology:** demography, growth rates and population dynamics patterns in temperate and tropical corals and their relationships with environmental factors; growth and population dynamics modeling; the role of boring organisms in bioerosion of corals and coral reefs; effects of natural and anthropogenic disturbances on coral reef communities; modular growth and predictable patterns of colony and population growth; sexual and asexual reproduction; population genetic structure and connectivity; planula larval behaviour and metamorphosis; morphology of

gametogenesis; reef community structure; life history strategies; conservation ecology and management of coral reef; global climate change and its effect on temperate and tropical coral-reef communities; the use of contemporary corals in predictive models concerning with global climate change.

**Citizen Science**: university research, industry, and policy interdisciplinary interactions; international cooperation; volunteers in research; marine conservation monitoring; sustainable tourism; biodiversity monitoring, recreational activities, education, scientific literacy and naturalistic awareness.

**Microgravity biomineralization**: biomaterials for biomimetic scaffolds; biomineralized tissues; biomineralizing organisms; biominerals; calcification; corals; genetic and environmental control on biomineralization; marine mineralization; material research; mechanical and biogenic properties of biomaterials; porosity; space bioreactor.

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### 3. ACADEMIC, SCIENTIFIC PROFESSIONAL EXPERIENCE

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<b>Date</b>	<b>Institution</b>	<b>Activity</b>	<b>Title/position</b>
1996	Interuniversity Institute for Marine Science of Eilat (Israel)	<u>Research</u> : ecological distribution and growth of mushroom corals (Fungiidae) on the Israel reef of the Aqaba Gulf (northern Red Sea). Supervisor: Dr Nanette Elisabeth Chadwick-Furman	<u>Volunteer researcher</u>
1996-2004t	Alma Mater Studiorum – University of Bologna, Faculty of Mathematical Physical and Natural Sciences, Course of Degree in Biological Science (Italy)	<u>Didactics</u> : Laboratory of experimental biology II. Laboratory of computational biology I (line of studies in Bio-ecology and Human Bio-Evolution)	<u>Teaching collaborator</u>
1997-today	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy)	<u>Research and didactics</u> : establishment of the Marine Science Group ( <a href="http://www.marinesciencegroup.org">www.marinesciencegroup.org</a> ), a novel research group in Bologna. Supervisor: Prof. Francesco Zaccanti	<u>Conceiver, founder, and coordinator</u>

1997	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy)	<u>Professional qualification:</u> achievement of the Italian State qualification for professional biologist	<u>Professional biologist</u>
2000-2001	Alma Mater Studiorum - University of Bologna, Department of Evolutionary and Experimental Biology (Italy)	<u>Research:</u> Biology and Ecology of Mediterranean Corals. Supervisor: Prof. Francesco Zaccanti	<u>Post-doctorate Fellowship</u> by Sub Service s. r. l. - Scuba Schools International Italia
2001-2003	Alma Mater Studiorum - University of Bologna, Department of Evolutionary and Experimental Biology (Italy)	<u>Research:</u> Reproductive biodiversity and demography in tropical and Mediterranean populations of solitary corals (Anthozoa, Scleractinia)	<u>Post-doctorate Fellowship</u> by University of Bologna
2003-2004	Alma Mater Studiorum - University of Bologna, Department of Evolutionary and Experimental Biology (Italy)	<u>Research:</u> Monitoring of Mediterranean Sea biodiversity	<u>Post-doctorate Fellowship</u> by Canziani foundation of the Department of Evolutionary and Experimental Biology
July 2004 – September 2004	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy)	<u>Research:</u> Mediterranean underwater biodiversity monitoring - SCUBA divers for the environment. Supervisor: Prof. Francesco Zaccanti	<u>Researcher.</u> Professional task for work service. Funds by Canziani foundation of the Department of Evolutionary and Experimental Biology
January 2005	Government of the Republic of the Maldives. Tsunami Interministerial Task Force (Male, Maldives).	<u>Research:</u> organization and coordination of the first investigation of Maldivian coral reefs after the 2004 Tsunami.	<u>Chief researcher.</u> Funds by The Government of the Republic of the Maldives, Association of Italian Tour Operators, Maldives Association of Tourism Industry, Maldives Tourism Promotion Board, Crown Company PVT LTD.
March 2005- September 2005	State University of New York at Buffalo (USA)	<u>Research:</u> Molecular ecology and population dynamics of Caribbean and Mediterranean Corals. Supervisor: Prof. Howard R. Lasker	<u>Visiting researcher.</u> Funds by Marco Polo program of the University of Bologna
2004-2006	Alma Mater Studiorum – University of Bologna, Faculty of Mathematical Physical and Natural Sciences, Course of Degree in Biological Science (Italy)	<u>Didactics:</u> Laboratory of ecology – Integrated course of marine biology laboratory	<u>Lecturer</u>

2005, 2006, 2007	Oceanographic vessel of the University of Miami "R/V <i>F. G. Walton Smith</i> " (USA)	<u>Research</u> : Several research cruises in the Bahamas for a study on coral population dynamics and fishery management. Supervisor: Prof. Howard R. Lasker, State University of New York at Buffalo	<u>Visiting researcher</u> . Funds provided by Prof. Howard R. Lasker: National Science Foundation, New York State Sea Grant Institute, and National Undersea Research Center at the Caribbean Marine Research Center.
2006-2010	Alma Mater Studiorum – University of Bologna, Faculty of Mathematical Physical and Natural Sciences, Course of Master Degree in Biodiversity and Evolution (Italy)	<u>Didactics</u> : Laboratory of underwater survey – Scientific diving	<u>Lecturer</u>
2008, 2009	Marine Science Station at Aqaba (Jordan)	<u>Didactics</u> : Population dynamics of Red and Mediterranean Sea cnidarians. Computer modeling of age-based population dynamics	<u>Guest lecturer</u> . National Science Foundation International Programs (International Research Experiences for Students, IRES). US - Jordan Project: Summer: "Population dynamics and metabolic interactions between giant sea anemones and symbiotic anemonefish on Red Sea coral reefs". Program Leader and organizer: Nanette Elizabeth Chadwick-Furman, Auburn University, Alabama (USA).
2009	University of Santiago de Compostela (Spain)	<u>Research</u> : organizational meeting for the preparation of the EU proposal "Red & Med EDU-Tourism: Educational Model for sustainable ecotourism business"	<u>Research coordinating person</u>
2009-2010	Alma Mater Studiorum – University of Bologna, Faculty of Mathematical Physical and Natural Sciences, Course of Master Degree in Marine Biology (Italy)	<u>Didactics</u> : Methodologies of underwater research. Diving and sampling techniques.	<u>Lecturer</u>
2009-2010	Alma Mater Studiorum – University of Bologna, Faculty of Mathematical Physical and Natural Sciences, Course of Master Degree in Marine Biology (Italy)	<u>Didactics</u> : Dispersal, connectivity, and structure of marine populations.	<u>Lecturer</u>

2009-2010	Alma Mater Studiorum – University of Bologna, Faculty of Mathematical Physical and Natural Sciences, Course of Master Degree in Marine Biology (Italy)	<u>Didactics</u> : Evolution and adaptations of marine invertebrates.	<u>Lecturer</u>
2009-2010	Alma Mater Studiorum – University of Bologna, Faculty of Pharmacy, Course of Bachelor Degree in Applied Pharmaceutical Sciences (Italy)	<u>Didactics</u> : Animal biology.	<u>Lecturer</u>
November 2004 – November 2009	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy)	<u>Research</u> : Reproductive biodiversity in Mediterranean populations of solitary corals of the genus <i>Balanophyllia</i> (Cnidaria, Anthozoa, Scleractinia, Dendrophylliidae). Supervisor: Prof. Francesco Zaccanti	<u>Researcher</u> . Research assignment sustained by funds of Association of Italian Tour Operators, Government of Arab Republic of Egypt – Ministry of Tourism, University of Bologna
November 2009-June 2010	Department of Evolutionary and Experimental Biology, Alma Mater Studiorum – University of Bologna (Italy).	<u>Research</u> : Elaboration of population dynamic models; relationships between environmental parameters and growth in temperate and subtropical corals. Supervisor: Prof. Francesco Zaccanti.	<u>Researcher</u> . Research contract sustained by funds of Government of Arab Republic of Egypt – Ministry of Tourism.
June 2010-June 2013	Department of Biological, Geological and Environmental Sciences, Alma Mater Studiorum – University of Bologna (Italy).	<u>Research and didactics</u> : Corals and global warming: the Mediterranean versus the Red Sea ( <a href="http://www.coralwarm.eu">www.coralwarm.eu</a> ).	<u>Researcher</u> : position sustained by FP7-IDEAS-ERC funds.
2010-2011	Alma Mater Studiorum – University of Bologna, Faculty of Mathematical Physical and Natural Sciences, Course of Master Degree in Biodiversity and Evolution (Italy)	<u>Didactics</u> : Laboratory of underwater survey – Scientific diving	<u>Researcher</u>
2011-oggi	Alma Mater Studiorum – University of Bologna, School of Sciences, Course of Master Degree in Biodiversity and Evolution (Italy)	<u>Didactics</u> : Laboratory of scientific diving: diving techniques for underwater survey	<u>Researcher</u>

June 2010- May 2016	Department of Biological, Geological and Environmental Sciences, University of Bologna (Italy).	<u>Didactics</u> : Ph.D. Committee of the Ph.D. Program in Biodiversity and Evolution	<u>Member</u>
November 2010	Embassy of Italy in Tel Aviv (Israel)	<u>Research</u> : presentation of the EU-FP7-IDEAS-ERC project “Corals and global warming: the Mediterranean versus the Red Sea” (www.coralwarm.eu)”. <u>Didactics</u> : Evaluation of Doctoral Thesis	<u>Guest speaker</u> : the second Italian-Israeli forum on science and technology & the bi-national seminar on technology transfer. Funded by the Italian Ministry of Foreign Affairs
February 2011	Ministry of Tourism of the Arab Republic of Egypt, Cairo (Egypt)	<u>Research</u> : presentation of the project “STE: Scuba Tourism for the Environment. Red Sea Biodiversity Monitoring Program” (www.STEproject.org)”. <u>Didactics</u> : Evaluation of Doctoral Thesis	<u>Guest speaker</u> : mission entitled “Egypt in our Earth”, a way to restore Italian-Egyptian bi-national business cooperation, after the January 25, 2011 Egyptian Revolution. Funded by Egyptian Tourist Authority, ASTOI (Association of Italian Tour Operators), and Egypt Air
August 2012	Tel Aviv University, George S. Wise Faculty of Life Science Graduate School, The Ph.D. Committee of Research Students in Life Sciences	<u>Didactics</u> : Evaluation of Doctoral Thesis	<u>Examiner</u> : Funds by Tel Aviv University
June 2013- June 2016	Department of Biological, Geological and Environmental Sciences, Alma Mater Studiorum – University of Bologna (Italy).	<u>Research and didactics</u> : Corals and global warming: the Mediterranean versus the Red Sea (www.coralwarm.eu).	<u>Senior Researcher</u> : position sustained by the University of Bologna, Ministry of Education, Universities and Research
October 2013	Città della Scienza, Napoli (Italy)	<u>Research</u> : presentation of the EU-FP7-IDEAS-ERC project “Corals and global warming: the Mediterranean versus the Red Sea” (www.coralwarm.eu)”. <u>Didactics</u> : participation to the conference “Safe diving in pool and sea”	<u>CoralWarm project delegate</u> : information day of the European Research Council. Funded by European Commission
November 2013	Auditorium Via Rieti, Roma (Italy)	<u>Research</u> : presentation of the project “Space bioreactor for marine mineralization material research”	<u>SpaceBioMat project delegate</u> : international information and brokerage event “Countdown on Horizon 2020 Space”. Funded by European Commission
March 2014	Genova Aquarium, Genova (Italy)	<u>Didactics</u> : participation to the conference “Safe diving in pool and sea”	<u>Researcher</u> : information day on procedures for scientific dives, organized by National System for Environmental Protection, Genova Aquarium, and Regional Agency for the Protection of the Ligurian Environment
March 2014	University of Reunion Island, Faculty of Sciences and Technologies, Doctoral School	<u>Didactics</u> : Evaluation of Doctoral Thesis	<u>Examiner</u> : Funds by University of Reunion Island

September 2014	European Space Research and Technology Centre; ESTEC; Noordwijk (Netherlands)	<u>Research</u> : kickoff meeting of the project “Space bioreactor for marine mineralization material research” (SpaceBioMat)	<u>SpaceBioMat project coordinator</u> : Funded by the European Space Agency (ESA); Topical Team funding scheme.
September-October 2014	Villa Costa Carmagnola; Santa Margherita Ligure (Italy)	<u>Research</u> : “Red List assessment of Mediterranean Anthozoa” workshop of the International Union for Conservation of Nature (IUCN)	<u>IUCN Red List Assessor</u> : Funded by IUCN.
May 2015- June 2016	Department of Biological, Geological and Environmental Sciences, University of Bologna (Italy)	<u>University service</u> : member of the Department Committee	<u>Assistant Professors and Research Fellows Delegate</u>
March 2016-today	University of Bologna (Italy)	<u>Research and didactics</u> : mare@unibo. Interdisciplinary group on marine research and innovation, training and joint planning.	<u>Member</u>
June 2016-today	Department of Biological, Geological and Environmental Sciences, Alma Mater Studiorum – University of Bologna (Italy).	<u>Academic discipline</u> : Ecology	<u>Associate Professor</u>
October 2016-today	Department of Biological, Geological and Environmental Sciences, Alma Mater Studiorum – University of Bologna (Italy).	<u>Research and didactics</u> : Laboratory of Fisheries and Marine Biology at Fano	<u>Head</u>
Marzo 2017-today	Department of Biological, Geological and Environmental Sciences, University of Bologna (Italy).	<u>Didactics</u> : Ph.D. Committee of the Ph.D. Program in Earth, Life and Environmental Sciences	<u>Member</u>
October 2017	Hilton Conference Center, St Julian's (Malta)	<u>Research</u> : presentation of the project “Sea sentinels: divers united for the environment” (www.DUEproject.org)”.	<u>DUE project delegate</u> : 2017 edition of the Our Ocean Conference, on maritime security and sustainable development of world Blue Economy; hosted by the European Union (www.ourocean2017.org).
November 2017-today	Collegio Superiore, Istituto di Studi Superiori, University of Bologna (Italy).	<u>Didactics</u> : Sustainability: environment, energy, and global challenges. The effects of climate change on marine biodiversity: from European research to participatory science	<u>Associate Professor</u>
December 2017	Fondazione Cassa di Risparmio di Fano, Fano (Italy)	<u>Research</u> : participation to the workshop “Fishery and blue growth. New challenges and environmental sustainability”	<u>Reseracher</u>

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## 4. COMPLEMENTARY PROFESSIONAL EXPERIENCE

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Year	Activity	Title/position
1991-present	<u>Diving</u> : SCUBA instructor of the international diving agency “Scuba Schools International (SSI)”, “Scuba Nitrox Safety International (SNSI)” and Professional Association of Diving Instructor (PADI). Professional experience in Mediterranean and Red Sea. Instructor Trainer; IDC Staff Instructor.	<u>Instructor Trainer, Master Instructor, Assistant Staff Instructor, Nitrox Instructor, Basic Life Support – Cardiopulmonary Resuscitation Instructor, IDC Staff Instructor</u>
1989-2006	<u>Diving</u> : constitution of the school of diving “Bologna Scuba Team”, in Bologna (Italy)	<u>Co-founder constituter; diving instructor</u>
2004-present	<u>Chairmanship</u> : constitution of the Marine & Freshwater Science Group Association, in Bologna (Italy). Social Advancement Association devoted to the support and development of the research in the fields of marine and freshwater bio-ecology and environmental education	<u>President</u>
2006-present	<u>Diving</u> : conception and constitution of the school of marine research scientific diving “Scientific Diving School”, in Bologna (Italy)	<u>Founder constituter</u>
2009-present	<u>Diving</u> : Diving Safety Officer and 1st Organizational Member Representative of American Academy of Underwater Sciences (AAUS) in Italy	<u>AAUS scientific diving instructor</u>

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## 5. INTERNATIONAL ADVISORY

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Year	Journal / Institution	Title/position
2005	“ <b>Marine and Freshwater Research</b> ”. Journal of Commonwealth Scientific and Industrial Research Organization, CSIRO Publishing, Collingwood, Australia	<u>Referee</u> (1 manuscript review: July 26, 2005)
2005	“ <b>Molecular Ecology</b> ”. Blackwell Publishing LTD Oxford, United Kingdom	<u>Referee</u> (1 manuscript review: December 5, 2005)
2006	“ <b>Biodiversity and Conservation</b> ”. Springer, Dordrecht, Netherlands	<u>Referee</u> (1 manuscript review: June 21, 2006)
2007	<b>National Oceanic and Atmospheric Administration (NOAA)</b> . Sea Grant College Program, USA (www.seagrants.noaa.gov). The University of Puerto Rico Sea Grant College Program.	<u>Referee</u> (1 project review: June 14, 2007)
2007	“ <b>Journal of Natural History</b> ”. Taylor & Francis LTD, Oxon, United Kingdom	<u>Referee</u> (1 manuscript review: September 27, 2007)
2008	“ <b>BMC Evolutionary Biology</b> ”. Middlesex House, London, United Kingdom	<u>Referee</u> (2 manuscript reviews: January 31, 2008; August 30, 2008)
2008, 2009	“ <b>Journal of Theoretical Biology</b> ”. Elsevier Science, London, United Kingdom	<u>Referee</u> (2 manuscript reviews: April 10, 2008; February 23, 2009)
2009, 2016	“ <b>Marine Ecology-An Evolutionary Perspective</b> ”. Wiley-Blackwell, Hoboken, USA	<u>Referee</u> (2 manuscript review: February 8, 2009; November 3, 2016)
2009	“ <b>The Biological Bulletin</b> ”.	<u>Referee</u> (2 manuscript reviews: September 1, 2009; December 11, 2009)
2009	“ <b>Biological Invasions</b> ”. Springer, Dordrecht, Netherlands	<u>Referee</u> (1 manuscript review: October 5, 2009)
2006-2010	“ <b>Marine Biology</b> ”. Springer, New York, USA	<u>Referee</u> (4 manuscript reviews: October 24, 2006; October 23, 2007; February 6, 2008; October 15, 2010)

2010	<b>“Restoration Ecology”</b> . Wiley-Blackwell Publishing, Malden, USA	<u>Referee</u> (1 manuscript review: April, 2010)
2010	<b>“Cell &amp; Tissue Research”</b> . Springer, New York, USA	<u>Referee</u> (1 manuscript review: July, 2010)
2005-2011	<b>“Bulletin of Marine Science”</b> . Journal of the Rosenstiel School of Marine and Atmospheric Science of the University of Miami, Miami, USA	<u>Referee</u> (4 manuscript reviews: January 27, 2005; March 23, 2006; June 6, 2008; July 19, 2011)
2011	<b>“Chinese Journal of Oceanology and Limnology”</b> . Springer, Beijing, China	<u>Referee</u> (1 manuscript review: March, 2011)
2011	<b>“Journal of Marine Biology”</b> . Hindawi Publishing Corporation, New York, USA	<u>Referee</u> (1 manuscript review: April, 2011)
2011, 2015	<b>“Biogeosciences”</b> . Copernicus Gesellschaft MBH, Germany	<u>Referee</u> (2 manuscript reviews: May 24, 2011; August 7, 2015)
2011	<b>“Tourism Management”</b> . Elsevier, Oxford, United Kingdom	<u>Referee</u> (2 manuscript reviews: July, 2011; October 2011)
2011	<b>“The Open Conservation Biology Journal”</b> . Bentham Science Publishers Ltd., Oak Park, USA	<u>Referee</u> (1 manuscript review: November, 2011)
2012	<b>The Mediterranean Sea. Its history and present challenges</b> . Springer, Dordrecht, Netherlands (ISBN 978-94-007-6703-4)	<u>Co-Editor</u>
2012	<b>“PLoS ONE”</b> . Public Library of Science, San Francisco, USA	<u>Referee</u> (1 manuscript review: June, 2012)
2012	<b>Tel Aviv University</b> , George S. Wise Faculty of Life Science Graduate School, The Ph.D. Committee of Research Students in Life Sciences (Israel)	<u>Examiner</u> (1 Doctoral Thesis evaluated: May 29, 2012)
2008, 2012, 2013	<b>“Marine Ecology Progress Series”</b> . Inter-Research, Oldendorf Luhe, Germany	<u>Referee</u> (4 manuscript reviews: April 10, 2008; September 17, 2012; December 10, 2012; March 28, 2013)
2011, 2013	<b>“Journal of the Marine Biological Association of the United Kingdom”</b> . Cambridge University Press, New York, USA	<u>Referee</u> (2 manuscript reviews: July, 2011; January 2013)
2013	<b>“ISRN Biodiversity”</b> . Hindawi Publishing Corporation, New York, USA	<u>Editorial Board</u>
2013	<b>Zoological Society of London (ZSL)</b> . EDGE (Evolutionarily Distinct and Globally Endangered) Fellows Programme, UK (www.zsl.org; <a href="http://www.edgeofexistence.org/">http://www.edgeofexistence.org/</a> ).	<u>Referee</u> (2 project reviews: April 15, 2013; May 1, 2014)
2013	<b>“Journal of the Royal Society Interface”</b> . Royal Society, London, United Kingdom	<u>Referee</u> (1 manuscript review: May 23, 2013)
2013	<b>“Hydrobiologia”</b> . Springer, Dordrecht, Netherlands	<u>Referee</u> (1 manuscript review: July 10, 2013)
2013	<b>“Ambio”</b> . Springer, Dordrecht, Netherlands	<u>Referee</u> (1 manuscript review: September 7, 2013)
2005-2016	<b>“Coral Reefs”</b> . Journal of the International Society for Reef Studies, Springer, New York, USA	<u>Referee</u> (14 manuscript reviews: January 3, 2005; April 19, 2007; August 21, 2007; May 9, 2008; December 31, 2008; April 6, 2009; September 2, 2009; November 2, 2009; June 13, 2011; October 15, 2013; January 29, 2014; May 12, 2014; August 11, 2015; June 10, 2016)
2014	<b>“Marine Biodiversity”</b> . Springer, Dordrecht, Netherlands	<u>Referee</u> (1 manuscript review: January 20, 2014)
2007-present	<b>“The Open Conservation Biology Journal”</b> . Bentham Science Publishers Ltd., Oak Park, USA	<u>Editorial Advisory Board Member</u>
2011-present	<b>“Invertebrate Physiology; Specialty Section of Frontiers in Physiology”</b> . Frontiers, Lausanne, Switzerland (partner of <i>Nature Publishing Group</i> )	<u>Associate Editor</u>

2014	<b>IUCN, International Union for Conservation of Nature.</b> Center for Mediterranean Cooperation ( <a href="http://www.iucn.org/">http://www.iucn.org/</a> ; <a href="http://www.iucn.org/mediterranean">www.iucn.org/mediterranean</a> ). IUCN Red List assessment of Mediterranean Anthozoans	<u>Assessor</u>
2014-present	<b>“PLoS ONE”.</b> Public Library of Science, San Francisco, USA	<u>Academic Editor</u> (22 manuscripts handled: September 9, 2014; March 26, 2015; June 23, 2015; July 2, 2015; July 24, 2015; August 26, 2015; September 7, 2015; November 30, 2015; December 4, 2015; December 14, 2015; December 30, 2015; January 14, 2016; January 21, 2016; January 28, 2016; February 23, 2016; May 7, 2016; May 24, 2016; July 27, 2016; September 21, 2016; December 20, 2016; January 31, 2017; February 1, 2017)
2014	<b>University of Reunion Island,</b> Faculty of Sciences and Technologies, Doctoral School (France)	<u>Examiner</u> (1 Doctoral Thesis evaluated: March 31, 2014)
2014	<b>“Zoology”.</b> Elsevier, Jena, Germany	<u>Referee</u> (1 manuscript review: June 4, 2014)
2014	<b>“American Naturalist”.</b> The University of Chicago Press, Chicago, USA	<u>Referee</u> (1 manuscript review: June 30, 2014)
2014	<b>“Marine Biology Research”.</b> Taylor & Francis, Oslo, Norway	<u>Referee</u> (1 manuscript review: September 22, 2014)
2014	<b>The National Science Foundation (NSF).</b> Directorate of Geosciences; Division of Ocean Sciences; Biological Oceanography Program; USA ( <a href="http://www.nsf.gov/">http://www.nsf.gov/</a> ; <a href="http://www.nsf.gov/div/index.jsp?div=oce">http://www.nsf.gov/div/index.jsp?div=oce</a> ).	<u>Referee</u> (1 project review: September 25, 2014)
2014-present	<b>“Coral Reef Research; Specialty Section of Frontiers in Marine Science”.</b> Frontiers, Lausanne, Switzerland (partner of <i>Nature Publishing Group</i> )	<u>Associate Editor</u> (3 manuscript handled: July 25, 2017; July 28, 2017; October 23, 2017)
2015	<b>“Biology Letters”.</b> Royal Society, London, United Kingdom	<u>Referee</u> (1 manuscript review: February 16, 2015)
2015	<b>European Science Foundation (ESF).</b> 2015 AXA Research Fund; Junior Research (Post-Doctoral) Fellowship Scheme ( <a href="http://www.esf.org/home.html">http://www.esf.org/home.html</a> ; <a href="http://www.axa-research.org/post-doctoral-fellowships">http://www.axa-research.org/post-doctoral-fellowships</a> )	<u>Referee</u> (1 project review: April 14, 2015)
2015	<b>“Functional Ecology”.</b> Wiley-Blackwell, Hoboken, USA	<u>Referee</u> (1 manuscript review: July 28, 2015)
2015	<b>“Water”.</b> MDPI AG, Basel, Switzerland	<u>Referee</u> (1 manuscript review: August 11, 2015)
2015	<b>“Conservation Biology”.</b> Wiley-Blackwell, Hoboken, USA	<u>Referee</u> (1 manuscript review: August 31, 2015)
2016	<b>“Global and Planetary Change”.</b> Elsevier Science, Amsterdam, Netherlands	<u>Referee</u> (1 manuscript review: June 22, 2016)
2014	<b>The Cnidaria, Past Present and Future. The World of Medusa and Her Sisters.</b> Springer, Cham, Switzerland (ISBN 978-3-319-31303-0)	<u>Co-Editor</u>
2017	<b>“Science Advances”.</b> American Association for the Advancement of Science, Washington D.C., USA	<u>Referee</u> (1 manuscript review: September 28, 2017)
2017	<b>“Fisheries Research”.</b> Elsevier Science, Amsterdam, Netherlands	<u>Referee</u> (1 manuscript review: November 22, 2017)

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## 6. NATIONAL ADVISORY

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Year	Institution	Position
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2012-present	Laboratory of Forensic Toxicology, Section of Forensic Medicine, Department of Medicine and Public Health, Alma Mater Studiorum – University of Bologna	<u>Advisor</u> : analyses of biological samples of corals collected in the course of criminal proceedings
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## 7. HONORS-PATRONAGES

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Year	Patronizer	Patronized research project	Role in the research project
1999	Italian Ministry of the Environment	Mediterranean <i>Hippocampus</i> Mission: a study on the geographical and ecological distribution of seahorses	<u>Conceiver and co-coordinator</u>
2002	Italian Ministry of the Environment and the Protection of the Territory	Divers for the Environment: Mediterranean Underwater Biodiversity Project	<u>Conceiver and co-coordinator</u>
2006	Italian Ministry of the Environment and Land and Sea Protection.  Ministry of Tourism of the Arab Republic of Egypt	STE: Scuba Tourism for the Environment. Red Sea Biodiversity Monitoring Program	<u>Conceiver and co-coordinator</u>
2009	European Research Council, European Commission (European Union)	Corals and Global Warming: The Mediterranean versus the Red Sea (CoralWarm).	<u>Conceiver and co-coordinator</u>
2014	European Space Agency	Topical Team: Space bioreactor for marine mineralization material research (SpaceBioMat).	<u>Co-conceiver and coordinator</u>

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## 8. MEMBERSHIP IN PROFESSIONAL SOCIETIES

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1996-present	International Society for Reef Studies
2006-present	Society for Conservation Biology
2006-present	American Academy of Underwater Sciences
2009-present	Association for the Sciences of Limnology and Oceanography
2011-2014	Italian Zoological Union

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## 9. WELCOMED VISITING RESEARCHERS

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Year	Name	Affiliation	Areas of scientific interest
2006	Paul M. Camilleri	University of Malta (Malta)	Seahorse ecology citizen science
2009	Pilar Casado de Amezúa	Museo Nacional de Ciencias Naturales de Madrid (Spain)	Coral population genetic structure and reproduction
2009, 2010	Zvy Dubinsky	Bar-Ilan University (Israel)	Algal photobiology; coral ecophysiology; energetics of photosynthesis
2013-2014	Gretchen Goodbody-Gringley	Bermuda Institute of Ocean Sciences; Harvard University (USA)	Self-fertilization; mechanisms for population maintenance; environmental change

2014	Howard Lasker	University at Buffalo – The State University of New York (USA)	Connectivity of coral reef populations
2014	Mary Alice Coffroth	University at Buffalo – The State University of New York (USA)	Cnidarian-algal symbioses

## 10. FUNDING ID

Status	Year	Amount	Financer	Financer's country	Subject
Acquired	1997-1998	10,000,000 Italian Lire (= <b>5,164.57</b> Euros)	Sub Service S. R. L., Bologna	Italy	Coral reproduction
	1999-2001	90,000,000 Italian Lire (= <b>46,481.12</b> Euros)	Sub Service S. R. L., Bologna	Italy	Citizen science: seahorses monitoring program
	2001	5,000,000 Italian Lire (= <b>2,582.28</b> Euros)	Ministry of Public Instruction, University, and Scientific and Technological Research. Young Researchers Project, University of Bologna	Italy	Reproductive and demographic biodiversity in Mediterranean populations of solitary corals (Cnidaria, Anthozoa, Scleractinia)
	2002	10,000,000 Italian Lire (= <b>5,164.57</b> Euros)	Mobby's S. R. L., Ivrea	Italy	Citizen science: Mediterranean biodiversity monitoring program
	2003-2005	<b>45,000.00</b> Euros	ATOI Services S. R. L., Milano	Italy	Citizen science: Mediterranean biodiversity monitoring program
	2005	<b>3,849.00</b> Euros	University of Bologna, Marco Polo Program for research abroad	Italy	Molecular ecology and population dynamics of corals at the State University of New York
	2006-2010	<b>70,000.00</b> Euros	Project AWARE Foundation, Hettlingen	Switzerland	Citizen science: Red Sea coral reefs biodiversity monitoring program
	2006-2010	<b>45,000.00</b> Euros	ASTOI Association, Milano	Italy	Citizen science: Red Sea coral reefs biodiversity monitoring program
	2006-2014	<b>90,000.00</b> Euros	Ministry of Tourism of the Arab Republic of Egypt	Egypt	Citizen science: Red Sea coral reefs biodiversity monitoring program
	2010-2012	<b>62,061.00</b> Euros	Private donation	Costa Rica	Influence of global warming and ocean acidification on coral biodiversity in the Mediterranean and the Red Sea

2010-2016	<b>3,332,032</b> Euros (together with Prof. Zvy Dubinsky, Bar-Ilan University, Israel, and Prof. Giuseppe Falini, University of Bologna)	European Research Council (FP7 – IDEAS program). Grant Agreement no: 249930.	European Union (European Commission)	“Corals and global warming: the Mediterranean versus the Red Sea” ( <a href="http://www.CoralWarm.eu">www.CoralWarm.eu</a> ); Coordinators: Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna; Prof. Giuseppe Falini, Department of Chemistry, University of Bologna; Prof. Zvy Dubinsky, Faculty of Life Sciences, Bar-Ilan University, Israel.
2011-2015	<b>62,500.00</b> Euros	Settemari S. p. A Tour Operator	Italy	Citizen science: Red Sea coral reefs biodiversity monitoring program
2011-2014	<b>12,000.00</b> Euros	Scuba Nitrox Safety International	Italy	Citizen science: Red Sea coral reefs biodiversity monitoring program
2011-2014	<b>20,000.00</b> Euros	Viaggio nel Blu Diving Center	Egypt	Citizen science: Red Sea coral reefs biodiversity monitoring program
2011-2015	<b>17,621.00</b> Euros	Ministry of Instruction, University and Research. Oriented Fundamental Research	Italy	Coral Ecology and Biology; Citizen Sciences
2011-2014	<b>2,500.00</b> Euros	Canziani Legacy, Department of Biological, Geological and Environmental Sciences, University of Bologna	Italy	Coral Ecology and Biology; Citizen Sciences
2012	<b>4,000.00</b> Euros	Fondazione del Monte di Bologna e Ravenna (Bank Foundation)	Italy	Researchers speak to the city: bubbles and corals in square (scientific dissemination project)

	2013	<b>2,487.00</b> Euros (together with Fiorella Prada, University of Bologna, Italy)	Marco Polo program (abroad research fellowship program), Integrated Budget for Research, Department of Biological Geological and Environmental Sciences, University of Bologna, Ministry of Education, Universities and Research	Italy	“Response of the symbiotic system of the temperate coral <i>Balanophyllia europaea</i> to pH and temperature levels predicted for the end of this century”. Coordinators: Fiorella Prada and Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.
	2013	2,000 US dollars (= <b>1,539.60</b> Euros; together with Gretchen Goodbody-Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA)	Lerner Gray Memorial Fund of the American Museum of Natural History	USA	“Self-fertilization as a mechanism for population maintenance in a changing environment”. Coordinators: Gretchen Goodbody-Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA; Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.
	2013-2014	<b>34,580.00</b> Euros (together with Gretchen Goodbody-Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA)	The European Institutes for Advanced Study (EURIAS) Fellowship Programme, FP7	European Union (European Commission)	“Self-fertilization as a mechanism for population maintenance in a changing environment”. Coordinators: Gretchen Goodbody-Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA; Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.

	2013-2017	<b>41,303.01</b> Euros	Research Integrated Budget, University of Bologna, Ministry of Education, Universities and Research.	Italy	“Photosynthesis as compensation mechanism of ocean acidification negative effects on calcification, in Mediterranean model anthozoans”. Research fellowship grant. Coordinator: Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna; Research fellow: Erik Caroselli, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2011-2013	<b>31,084.59</b> Euros (together with Valentina Airi, University of Bologna, Italy)	“Master and back program –high level training”, Sardinia Autonomous Region	Italy	"Reproduction of Mediterranean zooxanthellate and azooxanthellate scleractinian corals along environmental gradients". Coordinators: Valentina Airi and Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.
	2014	3,045 US dollars (= <b>2,204.74</b> Euros; together with: Chiara Marchini, University of Bologna; Gretchen Goodbody-Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA)	Bermuda Institute of Ocean Sciences (Sydney L Wright Fellowship Program)	Bermuda	“Variations in reproductive effort by two common coral species in shallow versus mesophotic habitats in Bermuda”. Coordinators: Gretchen Goodbody-Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA; Chiara Marchini and Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.



	2014	<b>4,050.00</b> Euros (together with Chiara Marchini, University of Bologna, Italy)	Marco Polo program (abroad research fellowship program), Integrated Budget for Research, Department of Biological Geological and Environmental Sciences, University of Bologna, Ministry of Education, Universities and Research	Italy	“Variations in reproductive effort by two common coral species in shallow versus mesophotic habitats in Bermuda”. Coordinators: Chiara Marchini and Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.
	2015-2016	<b>20,000</b> Euros (together with Prof. Zvy Dubinsky, Bar-Ilan University, Israel, Prof. Giuseppe Falini, University of Bologna, and Prof Jaap Kaandorp, University of Amsterdam, The Netherlands)	European Space Agency		“Topical Team: Space bioreactor for marine mineralization material research (SpaceBioMat)”. Conceivers: Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Giuseppe Falini, Department of Chemistry, University of Bologna; Prof. Zvy Dubinsky, Faculty of Life Sciences, Bar-Ilan University, Israel; Jaap Kaandorp, Section Computational Science, University of Amsterdam, The Netherlands

	2014-2017	<b>71,477.25</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	European Commission (Directorate for Fisheries), and partner countries (MEDITS project).	European Union (European Commission)	“Ecosystem approach to the assessment of fishery resources”. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2015-2017	<b>22,500.00</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	Government of Emilia Romagna Region; European Commission (Directorate for Fisheries), and partner countries (MEDITS project).	Italy; European Union (European Commission)	“Clam biology and fishery”. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2015	<b>4,050.00</b> Euros (together with Francesca Gizzi, University of Bologna, Italy)	Marco Polo program (abroad research fellowship program), Integrated Budget for Research, Department of Biological Geological and Environmental Sciences, University of Bologna, Ministry of Education, Universities and Research	Italy	“Physiology, biomineralization, and skeletal properties variations in two tropical corals exposed to pH and temperature levels projected for the end of this century”. Coordinators: Francesca Gizzi and Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.

	2016-2017	<b>34,081.34</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	European Commission (Directorate for Fisheries), and partner countries (MEDITS project).	European Union (European Commission)	“Population distribution and demographic structure of benthic and demersal species in the Mediterranean Sea”. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2016-2017	<b>23,516.00</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	European Commission (Directorate for Fisheries), and partner countries (MEDITS project).	European Union (European Commission)	“Critical analysis of fishery science models”. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna

	2016-2017	<b>23,333.34</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	European Commission (Directorate for Fisheries), and partner countries (MEDITS project).	European Union (European Commission)	“Assessment of Mediterranean fish resources in European Union Countries”. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2016-2017	<b>23,511.75</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	Calabria Region	Italy	Citizen science-based monitoring program of Mediterranean biodiversity and its responses to climate change and invasive species. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2017	<b>12,833.33</b> Euros	Total Foundation	France	“Assessing the impacts of ocean acidification on marine biodiversity and species adaptation (High-CO <sub>2</sub> Seas)”. Coordinator: Nuria Teixidó Ullod, Stazione Zoologica Anton Dohrn of Naples

	2017	<b>4,050.00</b> Euros (together with Arianna Mancuso, University of Bologna, Italy)	Marco Polo program (abroad research fellowship program), Integrated Budget for Research, Department of Biological Geological and Environmental Sciences, University of Bologna, Ministry of Education, Universities and Research	Italy	“Oxygen and carbon stable isotope composition, age and growth rates of the clam <i>Chamelea gallina</i> (Bivalvia: Veneridae) along a wide latitudinal temperature and solar radiation gradient”. Coordinators: Arianna Mancuso and Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.
	2017	<b>4,000.00</b> Euros	SCUBAPRO, Johnson Outdoors Inc.	USA	"Sea Sentinels - Divers United for the Environment". Coordinator: Stefano Goffredo; Department of Biological, Geological and Environmental Sciences, University of Bologna.
<b>TOTAL ACQUIRED, 1997-2017: 4,186,557.49 Euros</b>					

<b>Status Arranged</b>	<b>Year</b>	<b>Amount</b>	<b>Financer</b>	<b>Financer's Country / Union</b>	<b>Subject</b>
	2018	<b>22,053.75</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	European Commission (Directorate for Fisheries), and partner countries (MEDITS project).	European Union (European Commission)	Ecosystem approach to the assessment of fishery resources". Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna

	2018	<b>17,040.67</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	European Commission (Directorate for Fisheries), and partner countries (MEDITS project).	European Union (European Commission)	“Population distribution and demographic structure of benthic and demersal species in the Mediterranean Sea”. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2018	<b>11,666.67</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	European Commission (Directorate for Fisheries), and partner countries (MEDITS project).	European Union (European Commission)	“Assessment of Mediterranean fish resources in European Union Countries”. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2018-2019	<b>25,666.67</b> Euros	Total Foundation	France	“Assessing the impacts of ocean acidification on marine biodiversity and species adaptation (High-CO <sub>2</sub> Seas)”. Coordinator: Nuria Teixidó Ullod, Stazione Zoologica Anton Dohrn of Naples

	2018	<b>11,780.25</b> Euros (together with Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, University of Bologna)	Calabria Region	Italy	Citizen science-based monitoring program of Mediterranean biodiversity and its responses to climate change and invasive species. Coordinators: Stefano Goffredo, Marine Science Group, Department of Biological, Geological and Environmental Sciences, University of Bologna; Prof. Corrado Piccinetti, Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna
	2018-2020	<b>20,000.00</b> Euros (together with Erik Caroselli, University of Bologna, Italy)	University of Bologna , Alma Idea Grant Junior	Italy	"Response strategies to ocean acidification: morphological plasticity and microbial ecosystem variations in corals". Coordinator: Erik Caroselli, Department of Biological, Geological and Environmental Sciences, University of Bologna; Participant: Stefano Goffredo; Department of Biological, Geological and Environmental Sciences, University of Bologna.
	2018	<b>4,000.00</b> Euros	SCUBAPRO, Johnson Outdoors Inc.	USA	"Sea Sentinels - Divers United for the Environment". Coordinator: Stefano Goffredo; Department of Biological, Geological and Environmental Sciences, University of Bologna.
TOTAL ARRANGED, 2018-2020: <b>112,208.01</b> Euros					

## 11. RESEARCH PROJECT PARTICIPATIONS

Year	Project Title	Project coordinator	Financer / sponsor	Role
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1999-2001	Mediterranean <i>Hippocampus</i> Mission: a study on the geographical and ecological distribution of seahorses	Dr. Stefano Goffredo, Prof. Corrado Piccinetti, and Prof. Francesco Zaccanti (University of Bologna)	Sub Service S. R. L – Scuba Schools International (Italy)	<u>Co-coordinator and researcher</u>
2002	Genetic variability and reproductive variance: comparison among non-canonical animal system	Prof. Franca Scanabissi, Prof. Barbara Mantovani, and Prof. Francesco Zaccanti (University of Bologna)	Italian Ministry of Education, University and Research (ex 40% project)	<u>Researcher</u>
2002-2005	Divers for the Environment: Mediterranean Underwater Biodiversity Project	Dr Stefano Goffredo, Prof. Corrado Piccinetti, and Prof. Francesco Zaccanti (University of Bologna)	Italian Ministry of the Environment, Association of Italian Tour Operators, Scuba Schools International, Scuba Nitrox Safety International, International Diving Educators Association, Quark, Underwater Life Project, Mobby's S. R. L., and Association of Diving Didactics (Italy); Professional Association of Diving Instructors and Project AWARE Foundation (Switzerland).	<u>Co-coordinator</u>
2005	Tsunami Survey Expedition: Investigation of Maldivian Coral Reefs After the 2004 Sumatra earthquake	Dr Stefano Goffredo (University of Bologna)	The Government of the Republic of the Maldives, Maldives Association of Tourism Industry, Maldives Tourism Promotion Board, and Crown Company PVT LTD (Maldives); Association of Italian Tour Operators (Italy).	<u>Coordinator</u>
1996-2010	Reproductive biology in animal populations: morphological, systematic and ecological aspects	Prof. Francesco Zaccanti (University of Bologna)	Italian Ministry of Education, University and Research (ex 60% project)	<u>Researcher</u>
1996-2010	Morphology, systematic, and ecology of reproduction in Cnidaria, Anellida, and Vertebrata	Prof. Francesco Zaccanti (University of Bologna)	Italian Ministry of Education, University and Research (ex 60% project)	<u>Researcher</u>
1996-2010	Taxonomy, systematic, and phylogeny in cnidarians, crustaceans, insects, and fishes	Prof. Francesco Zaccanti (University of Bologna)	Canziani foundation of the Department of Evolutionary and Experimental Biology, Alma Mater Studiorum – University of Bologna (Italy)	<u>Researcher</u>
1996-2010	Long-term program on biodiversity	Prof. Francesco Zaccanti (University of Bologna)	Alma Mater Studiorum University of Bologna (Italy)	<u>Researcher</u>
2004-2009	Population Dynamics modeling of Giant Sea Anemones in the northern Red Sea	Prof. Nanette Elisabeth Chadwick-Furman (Auburn University)	International Research Experiences for Students (IRES), National Science Foundation (USA).	<u>Researcher</u>



2005-2008	Population ecology of coral reef organisms in the Bahamas, Caribbean and Florida	Prof. Howard Lasker (State University of New York at Buffalo)	National Science Foundation, New York State Sea Grant Institute, and National Undersea Research Center at the Caribbean Marine Research Center (USA).	<u>Researcher</u>
2005-2008	Population structure of algal and coral genome in the Mediterranean symbiotic system <i>Balanophyllia europaea</i>	Prof. Mary Alice Coffroth (State University of New York at Buffalo) and Dr Stefano Goffredo (University of Bologna)	Marco Polo program of the University of Bologna, Ministry of Tourism of the Arab Republic of Egypt; Association of Italian Tour Operator, and the Canziani foundation of the Department of Evolutionary and Experimental Biology of University of Bologna (Dr Stefano Goffredo and Prof. Francesco Zaccanti, Italian and Egyptian funds); .NOAA's National Undersea Research Program, and the National Science Foundation (Prof. Coffroth, USA funds).	<u>Co-coordinator</u>
2006-2015	STE: Scuba Tourism for the Environment. Red Sea Biodiversity Monitoring Program	Dr Stefano Goffredo, Prof. Corrado Piccinetti, and Prof. Francesco Zaccanti (University of Bologna)	Ministry of Tourism of the Arab Republic of Egypt, Egyptian Tourism Authority, Egyptian Underwater and Lifesaving Federation, Viaggio nel Blu diving center, and Holyday Service diving center (Egypt); Project AWARE Foundation (Switzerland); Ministry of the Environment and Land and Sea Protection of the Italian Republic, Association of Italian Tour Operator, Scuba Nitrox Safety International, Scuba Schools International, Underwater Life Project, TuttoTurismo, Neos airlines, Settemari Tour Operator (Italy).	<u>Co-coordinator</u>
2010-2016	CoralWarm. Corals and Global Warming: The Mediterranean versus the Red Sea	Dr Stefano Goffredo, Prof. Giuseppe Falini, Prof. Zvy Dubinsky	European Research Council (FP7 – IDEAS program); European Commission (European Union)	<u>Conceiver, co-coordinator</u>
2013-2014	Self-fertilization as a mechanism for population maintenance in a changing environment	Dr Gretchen Goodbody-Gringley, Bermuda Institute of Ocean Sciences, Bermuda; Harvard University, USA; Dr Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.	The European Institutes for Advanced Study (EURIAS) Fellowship Programme, FP7, European Union (European Commission). Lerner Gray Memorial Fund of the American Museum of Natural History, USA.	Co-coordinator
2013-2018	The isotopic composition of corals and waters along the Italian coast	Prof. Aldo Shemesh, Weizmann Institute of Science, Israel; Dr Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna.	Weizmann Institute of Science, Israel. University of Bologna, Italy.	Co-coordinator

2014-2016	Topical Team: Space bioreactor for marine mineralization material research (SpaceBioMat)	Dr Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna (Project Concoivers: Dr Stefano Goffredo; Prof. Giuseppe Falini, Department of Chemistry, University of Bologna; Prof. Zvy Dubinsky, Faculty of Life Sciences, Bar-Ilan University, Israel; Jaap Kaandorp, Section Computational Science, University of Amsterdam, The Netherlands)	European Space Agency	Co-conceiver and coordinator
2017-2019	Assessing the impacts of ocean acidification on marine biodiversity and species adaptation (High-CO2 Seas)	Dr. Nuria Teixidó Ullod, Stazione Zoologica Anton Dohrn of Naples	Total Foundation, France	Partner

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## 12. SUPERVISION OF MASTER'S AND BACHELOR'S STUDENTS

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	Academic year of graduation	Name	Graduation level	Thesis title	Supervisor	Assistant Supervisor
1	1999/2000	Silvia Arnone	Master of Science	Reproductive cycle of the solitary coral <i>Balanophyllia europaea</i> (Anthozoa, Scleractinia) in the south-east Ligurian Sea	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
2	2002/2003	Lucia Mezzomonaco	Master of Science	Genetic differentiation among populations of the hermaphroditic, brooding solitary coral <i>Balanophyllia europaea</i> (Anthozoa, Scleractinia, Dendrophylliidae)	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
3	2002/2003	Maria Grazia Esposito	Master of Science	Mediterranean <i>Hippocampus</i> Mission: a study on the geographical and ecological distribution of seahorses, in collaboration with the recreational diving industry	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna

4	2002/2003	Antonio Orlandi	Master of Science	2002-2005: Divers for the Environment – Mediterranean Underwater Biodiversity Project. An environmental monitoring in collaboration with the underwater tourism industry. Results of the first year of research	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
5	2002/2003	Josipa Radetić	Master of Science	Sexual reproduction of the solitary coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae) in the Mediterranean Sea	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
6	2003/2004	Patrizia Neri	Master of Science	2002-2005: Divers for the Environment – Mediterranean Underwater Biodiversity Project. An environmental monitoring in collaboration with the underwater tourism industry. Results after two years of research	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
7	2003/2004	Valentina Airi	Master of Science	Sexual reproduction of the solitary sunset cup coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae) in the Mediterranean. Quantitative aspects of the annual reproductive cycle	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
8	2004/2005	Elena Sasdelli	Bachelor of Science	Volunteer citizens in environmental monitoring. Divers for the environment, Mediterranean Underwater Biodiversity Project.	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
9	2004/2005	Theodora Sideratou	Master of Science	Estimation of the selfing rate in the solitary coral <i>Balanophyllia europaea</i> . Preliminary results	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna

10	2004/2005	Maria Scola Gagliardi	Master of Science	2002-2005: Divers for the Environment – Mediterranean Underwater Biodiversity Project. An environmental monitoring in collaboration with the underwater tourism industry. Results after three years of research	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
11	2004/2005	Gabriella Gasparini	Bachelor of Science	Sexual reproduction of the coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae) at Palinuro, Southern Tyrrhenian Sea	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
12	2004/2005	Alice Roffi	Bachelor of Science	Mating system in the solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae)	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
13	2005/2006	Sabrina di Ceglie	Master of Science	Genetic differentiation among populations of the gonochoric brooding coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae). Preliminary results	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
14	2005/2006	Erik Caroselli	Master of Science	Environmental control on biometry and demography of solitary corals in the Mediterranean Sea	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
15	2005/2006	Maria Teresa Putignano	Bachelor of Science	Annual cycle of sexual reproduction of the coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae) at Palinuro, Southern Tyrrhenian Sea. Preliminary results	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
16	2005/2006	Sara Malavolti	Bachelor of Science	The involving of volunteer citizens in marine environment monitoring: Divers for the environment, Mediterranean Underwater Biodiversity Project	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo and Patrizia Neri, Department of Evolutionary and Experimental Biology, University of Bologna

17	2005/2006	Barbara Amato	Bachelor of Science	Genetic differentiation among Mediterranean populations of the solitary coral <i>Leptopsammia pruvoti</i> (Scleractinia: Dendrophylliidae). Preliminary results	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
18	2006/2007	Giulia Marconi	Master of Science	Annual cycle of sexual reproduction of the coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae), in the Southern Tyrrhenian Sea. Preliminary results	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
19	2006/2007	Angela Velardi	Master of Science	Marine biodiversity monitoring in collaboration with volunteer recreational divers. Divers for the environment: Mediterranean underwater biodiversity project	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo and Patrizia Neri, Department of Evolutionary and Experimental Biology, University of Bologna
20	2006/2007	Gabriella Gasparini	Master of Science	Sexual reproduction of the Mediterranean colonial coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae). Preliminary results	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
21	2006/2007	Francesco Pensa	Master of Science	Volunteer Recreational Divers in a Marine Biodiversity Monitoring Project, along the Italian Coasts	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo and Patrizia Neri, Department of Evolutionary and Experimental Biology, University of Bologna
22	2006/2007	Simone Branchini	Bachelor of Science	Tourism and Biodiversity: assessment of coral reef biodiversity in the northern Red Sea, by means of tourist diver surveys.	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo and Patrizia Neri, Department of Evolutionary and Experimental Biology, University of Bologna
23	2007/2008	Patrizia Vergni	Master of Science	Relevance and structure of <i>Balanophyllia europaea</i> : a Mediterranean coral.	Giuseppe Falini, Department of Chemistry, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna

24	2007/2008	Maria Teresa Putignano	Master of Science	Annual cycle of sexual reproduction of the Mediterranean coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae)	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
25	2007/2008	Natalia Troiani	Bachelor of Science	Molecular markers for the Mediterranean solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae). Preliminary results.	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
26	2008/2009	Leonardo Laiolo	Bachelor of Science	Quantitative variation of aragonite and calcite crystals during the exoskeletal growth of Mediterranean corals	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo and Erik Caroselli, Department of Evolutionary and Experimental Biology, University of Bologna; Giuseppe Falini, Department of Chemistry, University of Bologna
27	2008/2009	Francesco Mezzo	Bachelor of Science	Morphological and crystallographic variations of the skeleton during the life cycle of two Mediterranean corals (Scleractinia)	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo and Erik Caroselli, Department of Evolutionary and Experimental Biology, University of Bologna; Giuseppe Falini and Patrizia Vergni, Department of Chemistry, University of Bologna
28	2008/2009	Michela Reggi	Bachelor of Science	Biom mineralization in the Mediterranean coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae)	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo and Erik Caroselli, Department of Evolutionary and Experimental Biology, University of Bologna; Giuseppe Falini and Patrizia Vergni, Department of Chemistry, University of Bologna
29	2008/2009	Claudia Pazzini	Bachelor of Science	Gonochorism and larval development of the Mediterranean endemic coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae). Morphological aspects of gametogenesis and ontogenesis	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna

30	2008/2009	Stefano Tassinari	Bachelor of Science	Analysis of skeletal organic matrix in marine calcifying organisms	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna; Giuseppe Falini and Patrizia Vergni, Department of Chemistry, University of Bologna; Daniele Fabbri and Alessio Adamiano, Environmental Sciences, Ravenna, University of Bologna
31	2008/2009	Fiorella Prada	Master of Science	Relationship between environmental and skeletal parameters in Mediterranean corals	Francesco Nonnis Marzano, Department of Evolutionary and Functional Biology, University of Parma	Stefano Goffredo and Erik Caroselli, Department of Evolutionary and Experimental Biology, University of Bologna; Luca Pasquini, Department of Physics, University of Bologna
32	2009/2010	Anna Collavo	Master of Science	Coral biodiversity survey in the northern Red Sea based on the collaboration of recreational divers. A temporal and spatial large scale monitoring program.	Francesco Zaccanti, Department of Evolutionary and Experimental Biology, University of Bologna	Stefano Goffredo and Francesco Pensa, Department of Evolutionary and Experimental Biology, University of Bologna
33	2009/2010	Lisa Mattielli	Master of Science	Large spatial- and temporal-scale monitoring of coral biodiversity in the Red Sea	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Francesco Pensa, Department of Evolutionary and Experimental Biology, University of Bologna
34	2009/2010	Simone Branchini	Master of Science	Large spatial and temporal scale analyses of coral biodiversity in the Red Sea	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Francesco Pensa, Department of Evolutionary and Experimental Biology, University of Bologna
35	2009/2010	Maria Elena Sillingardi	Master of Science	Involvement of sport divers in the monitoring of coral reef biodiversity in the Red Sea	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Francesco Pensa, Department of Evolutionary and Experimental Biology, University of Bologna

36	2010/2011	Michela Reggi	Master of Science	Biominalization in Mediterranean corals (Scleractinia): the zooxanthellate (mixotrophic) <i>Balanophyllia europaea</i> versus the non-zooxanthellate (heterotrophic) <i>Leptopsammia pruvoti</i> .	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Giuseppe Falini, Department of Chemistry, University of Bologna
37	2010/2011	Chiara Marchini	Master of Science	Reproduction of the solitary coral <i>Caryophyllia inornata</i> (Scleractinia, Caryophylliidae). Morphological aspects of gametogenesis and ontogenesis	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Valentina Airi, Department of Evolutionary and Experimental Biology, University of Bologna
38	2010/2011	Marta Rocchi	Bachelor of Science	Preliminary results on the reproduction of the solitary coral <i>Caryophyllia inornata</i> (Scleractinia, Caryophylliidae)	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Valentina Airi, Department of Evolutionary and Experimental Biology, University of Bologna
39	2010/2011	Francesca Gizzi	Master of Science	Variation of the reproductive capacity in the coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae) along a latitudinal gradient of solar radiation and temperature	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Valentina Airi, Department of Evolutionary and Experimental Biology, University of Bologna
40	2010/2011	Arianna Mancuso	Master of Science	Skeletal mechanical properties of the Mediterranean corals <i>Balanophyllia europaea</i> and <i>Leptopsammia pruvoti</i> in relation the environmental parameters	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Luca Pasquini, Department of Physics, University of Bologna; Erik Caroselli, Department of Evolutionary and Experimental Biology, University of Bologna
41	2010/2011	Selena Prantoni	Master of Science	Variation of the reproductive capacity in the coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae) along a latitudinal gradient of temperature	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Valentina Airi, Department of Evolutionary and Experimental Biology, University of Bologna
42	2011/2012	Leonardo Laiolo	Master of Science	Ecological modeling of the phytoplankton dynamics in the northern Gulf of Aqaba (Red Sea)	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Alberto Barausse and Luca Palmeri, Department of Chemical Processes for Engineering, University of Padova, David Iluz and Zvy Dubinsky, Faculty of Life Sciences, Bar-Ilan University



43	2011/2012	Bianca Maria Tonucci	Bachelor of Science	Pluriannual monitoring of Red Sea coral reefs' biodiversity, by means of recreational divers' involvement	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna	Simone Branchini and Francesco Pensa, Department of Evolutionary and Experimental Biology, University of Bologna
44	2011/2012	Giorgia Polimeni	Master of Science	A study on the effects of marine acidification on reproduction of Mediterranean corals, performed at an underwater volcanic crater characterized by CO <sub>2</sub> emissions.	Monica Bressan, Department of Biology, University of Padova	Stefano Goffredo, Department of Evolutionary and Experimental Biology, University of Bologna
45	2012/2013	Andrea Garuti	Bachelor of Science	Pluriannual monitoring of coral biodiversity in the Red Sea: limitations and advantages of volunteers' involvement	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Simone Branchini, Department of Biological, Geological and Environmental Sciences, University of Bologna
46	2012/2013	Roberto Fontana	Master of Science	Annual reproductive cycle of the solitary coral <i>Caryophyllia inornata</i> (Scleractinia, Caryophylliidae) characterized by an unusual model of embryogenesis	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Chiara Marchini, Department of Biological, Geological and Environmental Sciences, University of Bologna
47	2012/2013	Valentina Lazzari	Master of Science	Study of the effect of sea acidification on the reproduction of the coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae), along a natural gradient of CO <sub>2</sub>	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Francesca Gizzi, Department of Biological, Geological and Environmental Sciences, University of Bologna
48	2013/2014	Marta Meschini	Bachelor of Science	Large spatial and temporal scale analysis of Red Sea coral reef biodiversity based on recreational diver surveys	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Simone Branchini, Department of Biological, Geological and Environmental Sciences, University of Bologna
49	2013/2014	Enrica Zanuttigh	Bachelor of Science	Role of coral intra-skeletal organic matrix on calcium carbonate precipitation	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Giuseppe Falini, Department of Chemistry, University of Bologna

50	2013/2014	Luca Marisaldi	Bachelor of Science	Effect of ocean acidification on the reproductive output of the coral <i>Astroides calycularis</i> (Scleractinia, Dendrophyllidae) transplanted along a natural CO <sub>2</sub> gradient	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Francesca Gizzi, Department of Biological, Geological and Environmental Sciences, University of Bologna
51	2013/2014	Ludovica de Mas	Master of Science	Effect of ocean acidification on the reproductive output of the solitary coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophyllidae) transplanted along a natural gradient of CO <sub>2</sub>	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Francesca Gizzi, Department of Biological, Geological and Environmental Sciences, University of Bologna
52	2013/2014	Francesco Ricci	Master of Science	Relationships between growth, population dynamics, and environmental parameters in the solitary non-zooxanthellate scleractinian coral <i>Caryophyllia inornata</i> along a latitudinal gradient in the Mediterranean Sea	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Erik Caroselli, Department of Biological, Geological and Environmental Sciences, University of Bologna
53	2013/2014	Giada Tortorelli	Master of Science	Variation of reproductive capacity in the non-zooxanthellate coral <i>Caryophyllia inornata</i> along a latitudinal gradient of temperature and solar radiation	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Chiara Marchini, Department of Biological, Geological and Environmental Sciences, University of Bologna
54	2013/2014	Viviana Brambilla	Master of Science	Inferred calcification rate of a temperate non-zooxanthellate caryophylliid coral along a wide latitudinal gradient	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Erik Caroselli, Department of Biological, Geological and Environmental Sciences, University of Bologna; Maria Teresa Marques Ferreira da Cunha Cardoso, Instituto Superior de Agronomia, Universidade de Lisboa
55	2014/2015	Valeria Serafini	Bachelor of Science	Large spatial and temporal scale monitoring of Red Sea coral reef biodiversity through volunteer involvement	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Simone Branchini and Viviana Brambilla, Department of Biological, Geological and Environmental Sciences, University of Bologna

56	2014/2015	Veronica Lisini Baldi	Bachelor of Science	Study of the reproductive efficiency of the non-zooxanthellate solitary coral <i>Leptopsammia pruvoti</i> along a latitudinal gradient of temperature and solar radiation	Felicita Scapini, Department of Biology, University of Florence	Stefano Goffredo and Valentina Airi, Department of Biological, Geological and Environmental Sciences, University of Bologna
57	2014/2015	Elena Guidi	Bachelor of Science	Study of the reproductive capacity of the non-zooxanthellate solitary coral <i>Caryophyllia inornata</i> along a latitudinal gradient of temperature and solar radiation	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Chiara Marchini, Department of Biological, Geological and Environmental Sciences, University of Bologna
58	2014/2015	Maila Lavia	Bachelor of Science	Environmental quality assessment of Tenna river hydrographic basin, by means of benthic macroinvertebrates-based biological indicator	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Bruna Gumiero, School of Sciences, University of Bologna; Daniela Corradetti, Regional Agency for the Environmental Protection of the Region Marche
59	2014/2015	Francesco Montori	Bachelor of Science	Ocean acidification effect on gametogenesis and embryogenesis of the orange coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae) transplanted along a natural CO <sub>2</sub> gradient	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Francesca Gizzi, Department of Biological, Geological and Environmental Sciences, University of Bologna
60	2014/2015	Ginevra Allegra Simoncini	Bachelor of Science	Relationship between phenotype and environment in calcifying organisms: the case study of the clam <i>Chamelea gallina</i> in the Adriatic Sea	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Giuseppe Falini, and Michela Reggi Department of Chemistry, University of Bologna; Francesca Gizzi, Department of Biological, Geological and Environmental Sciences, University of Bologna
61	2014/2015	Greta Zampa	Bachelor of Science	Spatial and temporal analysis of Red Sea coral diversity based on a volunteer-generated database	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Simone Branchini and Viviana Brambilla, Department of Biological, Geological and Environmental Sciences, University of Bologna

62	2015/2016	Sara Natale	Bachelor of Science	Study of the reproductive capacity of the zooxanthellate solitary coral <i>Balanophyllia europaea</i> exposed to different aquarium experimental conditions of temperature and pH	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Valentina Airi, Department of Biological, Geological and Environmental Sciences, University of Bologna
63	2015/2016	Michela Castioni	Bachelor of Science	Study of the reproductive capacity of the non-zooxanthellate solitary coral <i>Leptopsammia pruvoti</i> exposed to different aquarium experimental conditions of temperature and pH	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Valentina Airi, Department of Biological, Geological and Environmental Sciences, University of Bologna
64	2015/2016	Claudia Covi	Bachelor of Science	Long-term effects of citizen science projects on volunteers' environmental education	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Simone Branchini and Viviana Brambilla, Department of Biological, Geological and Environmental Sciences, University of Bologna; Francesca Prati, Department of Psychology, University of Bologna
65	2015/2016	Francesco Raimondi	Master of Science	Biometry, growth and skeletal parameters of the temperate zooxanthellate coral <i>Balanophyllia europaea</i> along a depth gradient in the Dardanelles (Turkish Straits System, Western Turkey)	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Erik Caroselli, Department of Biological, Geological and Environmental Sciences, University of Bologna; Bariş Özalp, Çanakkale Onsekiz Mart University
66	2015/2016	Chiara Ceccarelli	Bachelor of Science	Variations in colony and polyp morphology and skeletal characteristics of a temperate non-zooxanthellate coral naturally living at CO <sub>2</sub> vents	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Erik Caroselli, Department of Biological, Geological and Environmental Sciences, University of Bologna; Nuria Teixidó Ullod and Maria Cristina Gambi, Department of Integrative Marine Ecology, Stazione Zoologica Anton Dohrn of Naples

67	2015/2016	Marco Davoli	Master of Science	Volunteer-based monitoring program of Red Sea coral reef biodiversity: data quality evaluation	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Patrizia Neri and Simone Branchini, Department of Biological, Geological and Environmental Sciences, University of Bologna
68	2015/2016	Laura Locci	Master of Science	Citizen Science: reliability evaluation of data collected by non-professional volunteers	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Patrizia Neri, Department of Biological, Geological and Environmental Sciences, University of Bologna
69	2015/2016	Lisa Moreddu	Bachelor of Science	The effect of ocean acidification on the reproductive output of a colonial non-zooxanthellate coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae) transplanted along a natural $p\text{CO}_2$ gradient	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Francesca Gizzi, Department of Biological, Geological and Environmental Sciences, University of Bologna
70	2015/2016	Eleonora Beccari	Bachelor of Science	Population density, biometry and skeletal parameters of a Mediterranean non-zooxanthellate coral along an anthropogenic impact gradient	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Fiorella Prada, Department of Biological, Geological and Environmental Sciences, University of Bologna; Fabio Badalamenti, Institute for Coastal Marine Environment, National Research Council
71	2015/2016	Dragana Paleček	Bachelor of Science	The effect of ocean acidification on the reproductive output of a solitary zooxanthellate coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae) transplanted along a natural $p\text{CO}_2$ gradient	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Francesca Gizzi, Department of Biological, Geological and Environmental Sciences, University of Bologna
72	2015/2016	Diana Colbucci	Master of Science	Molecular characterization of the heat stress response in Mediterranean shallow-water corals	Silvia Franzellitti, Department of Biological, Geological and Environmental Sciences, University of Bologna	Stefano Goffredo and Valentina Airi, Department of Biological, Geological and Environmental Sciences, University of Bologna

73	2016/2017	Michele Trittoni	Bachelor of Science	Assessment of the reliability of data collected by non-professional volunteers (citizen science method)	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Patrizia Neri, Department of Biological, Geological and Environmental Sciences, University of Bologna
74	2016/2017	Martina Monticelli	Bachelor of Science	Reproductive capacity of the scleractinian coral <i>Balanophyllia europaea</i> , after six months of aquarium exposure at different conditions of pH and temperature	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Valentina Airi, Department of Biological, Geological and Environmental Sciences, University of Bologna
75	2016/2017	Nicola Baraldi	Master of Science	Skeletal acclimation of a coral naturally living at CO <sub>2</sub> vents in Papua New Guinea	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Paola Fantazzini and Leonardo Brizi, Department of Physics and Astronomy, University of Bologna; Fiorella Prada, Department of Biological, Geological and Environmental Sciences, University of Bologna
76	2016/2017	Samuele Menicucci	Bachelor of Science	Monitoring of fish fauna through smartphone applications: challenges and potential of citizen science	Stefano Goffredo, Department of Biological, Geological and Environmental Sciences, University of Bologna	Zuffi Gianluca, Hydrosynergy, San Lazzaro di Savena

### 13. SUPERVISION OF POSTGRADUATE FELLOW

Contract period	Name	Project title	Supervisor	Assistant Supervisor
2014-2015	Arianna Mancuso	Ecosystem approach to the assessment of fishery resources	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Prof. Corrado Piccinetti (Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna)
2015-2018	Loredana Ardito	Clam biology and fishery	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Prof. Corrado Piccinetti (Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna)

2016-2017	Alessandra Anibaldi	Critical analysis of fishery science models	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Prof. Corrado Piccinetti (Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna)
2016-2018	Patrizia Neri	Citizen science-based monitoring program of Mediterranean biodiversity and its responses to climate change and invasive species	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Prof. Corrado Piccinetti (Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna)
2017-today	Marta Meschini	Sea sentinels: divers united for the environment	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	

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## 14. SUPERVISION OF PH.D. STUDENTS

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Year of graduation	Name	Thesis title	Supervisor	Assistant Supervisor
2010	Erik Caroselli	Influence of environmental parameters on population dynamics in solitary corals from the Mediterranean Sea	Prof. Francesco Zaccanti (Department of Evolutionary and Experimental Biology, University of Bologna)	Dr Stefano Goffredo (Department of Evolutionary and Experimental Biology, University of Bologna)
2013	Francesco Pensa	Marine biodiversity survey in the Northern Red Sea: a large-scale monitoring carried out in collaboration with volunteer divers	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2014	Valentina Airi	Reproduction of Mediterranean zooxanthellate and azooxanthellate scleractinian corals along environmental gradients	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2014	Fiorella Prada	Effects of temperature and acidity on Mediterranean benthic calcifiers, in the face of global climate change	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2015	Simone Branchini	Volunteer-based coral reef monitoring: reliability of data, environmental education and implications for conservation	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Dr Jane Delany (Dove Marine Laboratory, Newcastle University)
2015	Michela Reggi	Biom mineralization in calcifying marine organisms	Prof. Giuseppe Falini (Department of Chemistry, University of Bologna)	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)

2016	Francesca Gizzi	Reproduction, growth and biomineralization of calcifying marine organisms and their relationships with environmental parameters	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Prof. Giuseppe Falini (Department of Chemistry, University of Bologna); Christian R. Voolstra (Biological and Environmental Sciences & Engineering Division, King Abdullah University of Science and Technology)
2016	Chiara Marchini	Reproduction and population structure in temperate and tropical corals in relation to environmental parameters	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Dr Gretchen Goodbody-Gringley (Bermuda Institute of Ocean Sciences); Dr Valentina Airi (Department of Biological, Geological and Environmental Sciences, University of Bologna)
2019	Arianna Mancuso	Growth, calcification and shell properties variations in the clam <i>Chamelea gallina</i> along a latitudinal gradient of environmental parameters	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Prof. Corrado Piccinetti (Department of Biological, Geological and Environmental Sciences, University of Bologna)

## 15. SUPERVISION OF POST-DOCTORAL RESEARCHERS

Contract period	Name	Project title	Supervisor	Assistant Supervisor
2010-2012	Erik Caroselli	Influence of environmental parameters on population dynamics of Mediterranean and Red Sea scleractinian corals	Prof. Francesco Zaccanti (Department of Evolutionary and Experimental Biology, University of Bologna)	Dr Stefano Goffredo (Department of Evolutionary and Experimental Biology, University of Bologna)
2012-2013	Erik Caroselli	Influence of environmental parameters on population dynamics of Mediterranean and Red Sea scleractinian corals	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2013	Erik Caroselli	Effects of ocean warming and acidification on population dynamics of Mediterranean marine organisms	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2013-2018	Erik Caroselli	Photosynthesis as a compensation mechanism of the negative effects of ocean acidification on calcification of model Anthozoa from the Mediterranean Sea	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2014-today	Valentina Airi	Ocean warming and acidification effects on Mediterranean coral reproduction	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	



2014-2015	Fiorella Prada	Ecology, biology, and morphometry of <i>Astroides calycularis</i>	Dr Fabio Badalamenti (Istituto per l'Ambiente Marino Costiero, Consiglio Nazionale delle Ricerche)	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)
2016	Fiorella Prada	Effects of seawater warming and acidification on growth and physiology of Mediterranean corals	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2017-2019	Fiorella Prada	pH upregulation in calcification physiology and skeletal features of temperate and tropical corals living along natural $p\text{CO}_2$ gradients: new insights into the homeostatic capacity of coral calcification in response to ocean acidification stress	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2015-2016	Simone Branchini	Citizen science-based monitoring of Red Sea coral reef biodiversity	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	
2016	Simone Branchini	Volunteer based programme to monitor Mediterranean Sea environmental health and its response to climate change effects	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Prof. Corrado Piccinetti (Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna)
2015-2016	Michela Reggi	Coral biomineralization	Prof. Giuseppe Falini (Department of Chemistry, University of Bologna)	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)
2016-2018	Chiara Manfredi	Population distribution and demographic structure of demersal species in the Mediterranean Sea	Dr Stefano Goffredo (Department of Biological, Geological and Environmental Sciences, University of Bologna)	Prof. Corrado Piccinetti (Laboratory of Fisheries and Marine Biology at Fano, Department of Biological, Geological and Environmental Sciences, University of Bologna)

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## 16. EXAMINATION COMMITTEE MEMBERSHIP

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Year	Faculty / Department / Institution	Course of degree / examination level	Official class / scientific field
2010	Department of Evolutionary and Experimental Biology, University of Bologna	Contract position: "Gene expression patterns involved in sex determination and differentiation of anuran amphibians"	Zoology

2012	The Ph.D. Committee of Research Students in Life Science, George S. Wise Faculty of Life Science Graduate School, Tel Aviv University (Israel)	Doctorate Course in Life Science. Evaluation of Doctoral Theses	Zoology
2012	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: "Freshwater ichthyic biodiversity: predictive models".	Zoology
2013	Department of Biological, Geological and Environmental Sciences, University of Bologna	Contract position: "Investigation on sexual differentiation of anuran amphibians (histological and ultrastructural techniques) and expression of genes involved in sexual determination and differentiation (immunohistochemistry and western blot techniques)"	Zoology
1996-present	Faculty of Mathematical Physics and Natural Sciences, University of Bologna	- Biological Sciences (Bachelor level) - Natural Sciences (Bachelor level) - Marine Biology (Master level) - Biodiversity and Evolution (Master level)	Zoology; Zoology of Vertebrates; Protozoology; Laboratory of Animal Morphology, Underwater Survey Laboratory-Scientific Diving; Techniques of Scientific Diving and Sampling; Evolution and Adaptations of Marine Invertebrates; Dispersion, Connectivity, and Structure of Marine Populations
2009-present	Faculty of Pharmacy, University of Bologna	Applied Pharmaceutical Sciences (Bachelor level)	Animal Biology
2003	Faculty of Mathematical Physics and Natural Sciences, University of Bologna	Member of the Degree Committee in Natural Sciences (Master Degree)	Natural Sciences
2003-2007	Faculty of Mathematical Physics and Natural Sciences, University of Bologna	Member of the Degree Committee in Biological Sciences (Master Degree)	Biological sciences; Bio-ecology
2005-2011	Faculty of Mathematical Physics and Natural Sciences, University of Bologna	Member of the Degree Committee in Biological Sciences (Bachelor Degree)	Biological sciences; ecosystems ; marine ecosystems
2007-2010	Faculty of Mathematical Physics and Natural Sciences, University of Bologna	Member of the Degree Committee in Conservation and Management of Natural Heritage (Master Degree)	Conservation and management of natural resources; marine sciences
2008-2011	Faculty of Mathematical Physics and Natural Sciences, University of Bologna	Member of the Degree Committee in Biodiversity and Evolution (Master Degree)	Biodiversity and evolution
2008-2012	Faculty of Mathematical Physics and Natural Sciences, University of Bologna	Member of the Degree Committee in Natural Sciences (Bachelor Degree)	Natural Sciences
2010-2012	Faculty of Mathematical Physics and Natural Sciences, University of Bologna	Member of the Degree Committee in Marine Biology (Master Degree)	Marine biology
2013	School of Sciences, University of Bologna	Member of the Degree Committee in Marine Biology (Master Degree)	Laboratory of scientific diving: diving techniques for biological survey

2013	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: "Assessment of ocean warming and acidification effects on population dynamics of Mediterranean marine organisms".	Autoecology
2013	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: "Photosynthesis as a compensation mechanism of the negative effects of ocean acidification on calcification of model Anthozoa from the Mediterranean Sea".	Autoecology
2014	Doctoral School, Faculty of Sciences and Technologies, University of Reunion Island (France)	Doctorate Course in Marine Biology. Evaluation of Doctoral Theses	Marine biology
2014	Department of Biological, Geological and Environmental Sciences, University of Bologna	Study prize: "Monitoring of marine biodiversity by means of volunteers' involvement"	Citizen science
2014	Department of Biological, Geological and Environmental Sciences, University of Bologna	Scholarship: "STE: SCUBA Tourism for the environment".	Citizen science
2014	Institute for Coastal Marine Environment, National Research Council	Research assignment: "Ecology, biology and morphometry of <i>Astroides calycularis</i> ".	Autoecology
2014	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: "Ocean warming and acidification effects on reproductive capacity of Mediterranean corals".	Autoecology
2014	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: "Ecosystem-based approach to resources assessment"	Fisheries science
2014-2016	School of Sciences, University of Bologna	Member of the Degree Committee in Natural Sciences (Bachelor Degree)	Natural Sciences; Science and Technology for the Environment and the Nature
2013-2017	School of Sciences, University of Bologna	Member of the Degree Committee in Biodiversity and Evolution (Master Degree)	Biodiversity and evolution; Animal Biodiversity; Ecology
2014-2016	School of Sciences, University of Bologna	Member of the Degree Committee in Sciences and Management of Nature (Master Degree)	Natural Sciences
2014	Instituto Superior de Agronomia, Universidade de Lisboa	Member of the Degree Committee in Management and Conservation of Natural Resources (Master Degree)	Biology
2013-2016	School of Sciences, University of Bologna	Member of the Degree Committee in Marine Biology (Master Degree)	Marine biology; Animal adaptations to marine environments
2015	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: "Effects of seawater warming and acidification on growth and physiology of Mediterranean corals".	Ecology
2016	National Interuniversity Consortium For Marine Sciences (CoNISMa)	Coordinated and continuing collaboration: "Dissemination of fishery research results".	Fisheries science

2016	National Interuniversity Consortium For Marine Sciences (CoNISMa)	Postgraduate fellowship: “Assessment of fish resources”	Fisheries science
2015	School of Mathematical, Physical and Natural Sciences, University of Florence	Member of the Degree Committee in Natural Sciences (Bachelor Degree)	Natural Sciences
2016	Department of Biological, Geological and Environmental Sciences, University of Bologna	Coordinated and continuing collaboration: “Assessment of Mediterranean fish resources in European Union Countries”.	Fisheries science
2016	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: “Monitoring program on the health status of Mediterranean Sea and its answers to climate change, based on volunteers’ collaboration”.	Ecology
2013-2017	School of Sciences; University of Bologna	Member of the Degree Committee in Biological Sciences (Bachelor Degree)	Biological sciences
2017	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: “Calibration of ISECI index (Index of the Ecological Status of Fish Communities – ISECI) to the zoogeographical and ecological context of Basilicata”.	Ecology
2017	Department of Biological, Geological and Environmental Sciences, University of Bologna	Research assignment: “pH upregulation in calcification physiology and skeletal features of temperate and tropical corals living along natural $p\text{CO}_2$ gradients: new insights into the homeostatic capacity of coral calcification in response to ocean acidification stress”.	Ecology

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## 17. ACADEMIC-SCIENTIFIC SEMINARS

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Date	Institution	Title
March 20, 2001	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Official class: Zoology. II. (Course of Degree in Biological Sciences; class director: Prof. Francesco Zaccanti)	Diving as research activity: “ <i>Balanophyllia</i> operation” and “Mediterranean <i>Hippocampus</i> Mission”, two experiences
December 6, 2001	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Official class: Zoology. II. (Course of Degree in Biological Sciences; class director: Prof. Francesco Zaccanti)	Reproduction and development of the solitary coral <i>Balanophyllia europaea</i> (Anthozoa, Scleractinia)
March 14, 2002	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Official class: Zoology. II. (Course of Degree in Biological Sciences; class director: Prof. Francesco Zaccanti)	“Mediterranean <i>Hippocampus</i> Mission” and “Mediterranean Underwater Biodiversity Project”: two experiences of Academy/Private Company collaboration for the environmental monitoring
April 22, 23, 24, 2002	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Guidance days on academic courses for high school students	“Mediterranean <i>Hippocampus</i> Mission”: a study on the distribution of seahorses in the Italian seas, in collaboration with recreational divers

May 9, 2002	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Official class: Zoology. II. (Course of Degree in Biological Sciences; class director: Prof. Francesco Zaccanti)	Reproduction and development of the solitary coral <i>Balanophyllia europaea</i> (Anthozoa, Scleractinia)
November 27, 2002	Alma Mater Studiorum – University of Bologna, Cesenatico center (Italy) (Course of Degree in Aquaculture and Ictiopathology)	“Recreational diving as support of the environmental monitoring: final results of the “Mediterranean <i>Hippocampus</i> Mission”
January 22, 2003	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Official class: Zoology. II. (Course of Degree in Biological Sciences; class director: Prof. Francesco Zaccanti)	Recreational diving as support to the environmental monitoring: “Mediterranean <i>Hippocampus</i> Mission” and “Diving for the Environment”, two experiences
January 23, 2006	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). “The Science is Young”: a cycle of department seminars	Sexual reproduction in Mediterranean corals (Scleractinia): a comparison between the hermaphroditic <i>Balanophyllia europaea</i> and the gonochoric <i>Leptopsammia pruvoti</i> system
May 25, 2006	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Official class: Laboratory of Ecology (Course of Degree in Natural Sciences, class director: Prof. Corrado Piccinetti)	Citizen Science Laboratory
December 5, 2006	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Official class: Zoology (Course of Degree in Biological Sciences; class director: Prof. Francesco Zaccanti)	Citizen Science Laboratory
March 26, 2008	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy), Scientific-Didactic campus of Ravenna. Official class: Zoology (Course of Degree in Marine Biology; class director: Prof. Fausto Tinti).	Sexual reproduction and demography in Mediterranean corals (Scleractinia): a comparison between hermaphroditic and gonochoric systems.
October 22, 2008	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology (Italy). Official class: Zoology (Course of Degree in Biological Sciences; class director: Prof. Francesco Zaccanti)	Sexual reproduction in Mediterranean corals (Scleractinia): the <i>Balanophyllia europaea</i> “hermaphroditic system” versus the <i>Leptopsammia pruvoti</i> “gonochoric system”
November 6, 2008	Alma Mater Studiorum – University of Bologna, Bachelor Degree and Master Degree in Science for the Environment at Ravenna Campus (Italy). Chairman of the Seminars Organizing Committee: Prof. Giuseppe Falini.	Growth, population dynamics and reproductive biology of Mediterranean corals.
March 31, 2010	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology, Ph.D. Program in Biodiversity and Evolution (Italy). Chairman of the Seminars Organizing Committee: Prof. Barbara Mantovani.	CoralWarm. How?! The idea of a proposal that has won a European Research Council grant.
June 10, 2012	University of Haifa, Department of Marine Biology (Israel). Chairman: Prof. Dan Tchernov.	Coral population biology. Growth, dynamics, yield, and connections with ocean warming and acidification.
October 10, 2012	Alma Mater Studiorum – University of Bologna, Department of Evolutionary and Experimental Biology, Ph.D. Program in Biodiversity and Evolution (Italy). Chairman of the Seminars Organizing Committee: Prof. Barbara Mantovani.	Coral population biology. Growth, dynamics, yield, and connections with ocean warming and acidification. An age-based demographic model: 2 examples of application on temperate and tropical corals & 1 workshop exercise on fish growth and population dynamics model

June 11, 2013	Alma Mater Studiorum – University of Bologna, Department of Biological, Geological and Environmental Sciences, Ph.D. Program in Biodiversity and Evolution (Italy). Chairman of the Seminars Organizing Committee: Prof. Barbara Mantovani.	Coral population biology. Growth, dynamics, yield, and connections with ocean warming and acidification. An age-based demographic model: 2 examples of application on temperate and tropical corals & 1 workshop exercise on fish growth and population dynamics model
September 24, 2013	Tokyo University of Technology (Japan)	Global climate change effects on coral reefs. Authors: Zvy Dubinsky, Oren Levy, David Iluz, Stefano Goffredo, Giuseppe Falini. Speaker: Zvy Dubinsky
November 15, 2013	Alma Mater Studiorum – University of Bologna, Department of Biological, Geological and Environmental Sciences. Convention “Let’s speak about Sea”, organized by the Unione Bolognese Naturalisti. Chairman of the convention: Prof. Laurita Boni.	Ocean acidification and Mediterranean corals: the Panarea underwater crater, a natural laboratory for the study of climate change effects
November 25, 2013	Alma Mater Studiorum – University of Bologna, School of Pharmacy, Biotechnology and Motor Sciences. Official class: Biodiversity and Evolution (Course of Bachelor Degree in Biotechnology; class director: Prof. Rosanna Falcori)	Ocean acidification and Mediterranean corals: the Panarea underwater crater, a natural laboratory for the study of climate change effects
November 11, 2015	University of Bologna, School of Psychology and Sciences of Education. Official class: Elements of General Biology (Master Degree in Sciences of Primary Education; class director: Barbara Mantovani)	Climate change and public engagement: make and communicate research on the effects of climate change on marine biodiversity
June 1, 2016	University of Bologna, Department of Biological, Geological and Environmental Sciences, Ph.D. Program in Earth, Life and Environmental Sciences (Italy). Chairman of the Seminars Organizing Committee: Prof. Barbara Mantovani.	Growth and population dynamics models
July 11, 2016	University of Bologna, Department of Civil, Chemical, Environmental, and Materials Engineering. Seminar on European Research Council funding schemes. Chairman of the seminar: Prof. Alberto Montanari.	The characteristics of a successful project: an Advanced Grant funded idea. How to conceive the idea, and how to write the proposal
May 18, 2017	University of Bologna, Department of Biological, Geological and Environmental Sciences. Declinations of Geochemistry: Vulcanology, Hydrology and Environment. Study Day in Memory of the Prof. Bruno Capaccioni. Chairmans: Dinelli Enrico, Garofalo Paolo, Lucchi Federico, Tranne Claudio Antonio	The Panarea underwater crater: a laboratory for the study of ocean acidification and warming effects

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## 18. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

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### Chair

Year	Meeting	Session	Chairs
2013	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December	Coelenterates of the Mediterranean	Giovanni Santangelo, Zvy Dubinsky, <b>Stefano Goffredo</b>

2015	Aquatic Sciences Meeting. Aquatic Sciences: Global and Regional Perspectives – North Meets South, Granada (Spain), 22-27 February	Global Climate Change: Ocean Acidification Experiments at CO <sub>2</sub> vents	<b>Stefano Goffredo</b> , Zvy Dubinsky, Katharina Fabricius, Jason Hall Spencer, Hajime Kayanne
2016	Thirteenth International Coral Reef Symposium. Bridging Science to Policy, Honolulu (USA), 19-24 Giugno	Ocean acidification: measuring and scaling impacts across multiple scales	Ian Enochs, Emily Shaw, <b>Stefano Goffredo</b> , Katharina Fabricius, Steeve Comeau, Giuseppe Falini, Derek Manzello, Christopher Cornwall, Zvy Dubinsky, Nichole Price, Sarah Hamylton

## Membership of the International Scientific Committee

Year	Meeting
2013	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December

## Invited presentations

Authors	Year	Abstract title	Meeting
Airi V., Neri P., <b>Goffredo S.</b>	2017	Recreational citizen science: unite research with what citizens do for fun. Divers in marine biodiversity monitoring.	First Italian Citizen Science Conference, Rome (Italy), 23-25 November 2017

## Abstracts

Authors	Year	Abstract title	Meeting
<b>Goffredo S.</b> , Telò T.	1998	Oro-aboral gamete distribution and reproductive cycle of the hermaphroditic coral <i>Balanophyllia europaea</i> in the upper Tyrrhenian sea	International Society for Reef Studies European Meeting, Perpignan (France), 1-4 September 1998
<b>Goffredo S.</b> , Chadwick-Furman N. E.	1998	Growth model and population dynamics of a solitary mushroom coral	International Society for Reef Studies European Meeting, Perpignan (France), 1-4 September 1998
<b>Goffredo S.</b> , Chadwick-Furman N. E.	2000	Population structure of mushroom corals (Fungiidae) in the northern Red Sea	Ninth International Coral Reef Symposium, Bali (Indonesia), 23-27 October 2000
<b>Goffredo S.</b> , Zaccanti F.	2001	Reproduction and development of the solitary coral <i>Balanophyllia europaea</i> (Anthozoa, Scleractinia)	47° Symposium of Italian Embryologist Group (Fano, Italy), 7-9 June 2001
<b>Goffredo S.</b> , Zaccanti F.	2002	Larvae and Metamorphosis of the Mediterranean Solitary Coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae)	48° Symposium of Italian Embryologist Group, Grottammare (Ascoli Piceno, Italy), 4-7 June 2002
<b>Goffredo S.</b> , Mattioli G., Zaccanti F.	2002	Population dynamics in the Mediterranean solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae)	International Society for Reef Studies European Meeting, Cambridge (UK), 4-7 September 2002

Mezzomonaco L., <b>Goffredo S.</b> , Zaccanti F.	2002	Genetic evidence of an unusual breeding system in the Mediterranean solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae)	International Society for Reef Studies European Meeting, Cambridge (UK), 4-7 September 2002
Radetić J., <b>Goffredo S.</b> , Zaccanti F.	2002	Sexual reproduction in solitary corals of the genus <i>Balanophyllia</i> (Scleractinia, Dendrophylliidae): is there a correlation between sexual condition and mode of environmental colonization?	International Society for Reef Studies European Meeting, Cambridge (UK), 4-7 September 2002
Gektidis M., Chadwick-Furman N. E., <b>Goffredo S.</b> , Dubinsky Z.	2002	Global distribution of microbioeroders and their northernmost tropical reef community at 30° N – Eilat, Israel.	International Society for Reef Studies European Meeting, Cambridge (UK), 4-7 September 2002
<b>Goffredo S.</b> , Piccinetti C., Zaccanti F.	2002	Recreational diving as a support to the environmental monitoring: “Mediterranean <i>Hippocampus</i> Mission” and “Divers for the Environment”, two experiences	I° Cilento Blu Symposium, Palinuro (Salerno, Italy), 18-20 October 2002
<b>Goffredo S.</b> , Piccinetti C., Zaccanti F.	2004	Mediterranean <i>Hippocampus</i> Mission: a study on the geographical and ecological distribution of seahorses carried out in collaboration with recreational scuba divers	Tenth International Coral Reef Symposium, Okinawa (Japan), 28 June -2 July 2004
<b>Goffredo S.</b> , Radetić J.; Airi V., Zaccanti F.	2004	Sexual reproduction of the solitary coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae) in the Mediterranean.	Tenth International Coral Reef Symposium, Okinawa (Japan), 28 June - 2 July 2004
<b>Goffredo S.</b> , Orlandi A., Neri P., Scola Gagliardi M., Velardi A., Kasfiki E. S., Piccinetti C., Zaccanti F.	2004	Diving for the Environment. 2002-2005: Mediterranean Underwater Biodiversity Project.	Tenth International Coral Reef Symposium, Okinawa (Japan), 28 June -2 July 2004
<b>Goffredo S.</b> , Zarafa M.	2005	Divers for the environment: the underwater tourism and the scientific research	International Workshop: The Diving Activities in the Marine Protected Areas and Their Impact on the Environment: Comparing Mediterranean Experiences, Roma (Italy), 17-18 February 2005
<b>Goffredo S.</b> , Orlandi A., Neri P., Scola Gagliardi M., Velardi A., Piccinetti C., Zaccanti F.	2005	Diving for the Environment. 2002-2005: Mediterranean Underwater Biodiversity Project.	International Workshop: The Diving Activities in the Marine Protected Areas and Their Impact on the Environment: Comparing Mediterranean Experiences, Roma (Italy), 17-18 February 2005
<b>Goffredo S.</b> , Lasker H. R.	2006	Modular growth of a gorgonian coral generates predictable patterns of colony and population growth	Annual Meeting of the Society for Integrative and Comparative Biology, Orlando (Florida, USA), 4-8 January 2006
<b>Goffredo S.</b> , Marconi G., Gasparini G., Zaccanti F.	2006	Sexual reproduction of the orange dendrophyllid coral <i>Astroides calycularis</i> in the Mediterranean Sea	International Society for Reef Studies European Meeting, Bremen (Germany), 19-22 September 2006
<b>Goffredo S.</b> , Neri P., Orlandi A., Scola Gagliardi M., Velardi A., Pensa F., Piccinetti C., Zaccanti F.	2006	2002-2005 Diving for the environment: Mediterranean underwater biodiversity project. Environmental monitoring in collaboration with the industry of underwater tourism	International Society for Reef Studies European Meeting, Bremen (Germany), 19-22 September 2006



<b>Goffredo S.</b> , Caroselli E., Pignotti E., Mattioli G., Zaccanti F.	2006	Environmental control on biometry and demography of solitary corals in the Mediterranean Sea	International Society for Reef Studies European Meeting, Bremen (Germany), 19-22 September 2006
<b>Goffredo S.</b> , Caroselli E., Zaccanti F., Falini G.	2008	Skeletal calcium carbonate phase polymorphism in two temperate scleractinians	Eleventh International Coral Reef Symposium, Fort Lauderdale (Florida, USA), 7-11 July 2008
<b>Goffredo S.</b> , Marconi G., Gasparini G., Putignano M. T., Zaccanti F.	2008	Sexual Reproduction of the Orange Colonial Coral <i>Astroides calycularis</i> (Scleractinia: Dendrophylliidae) in the Mediterranean Sea	Eleventh International Coral Reef Symposium, Fort Lauderdale (Florida, USA), 7-11 July 2008
<b>Goffredo S.</b> , Neri P., Orlandi A., Pensa F., Scola Gagliardi M., Velardi A., Piccinetti C., Zaccanti F.	2008	Divers for the Environment: Volunteers and Scientists in Marine Biodiversity Monitoring	Eleventh International Coral Reef Symposium, Fort Lauderdale (Florida, USA), 7-11 July 2008
<b>Goffredo S.</b> , Caroselli E., Mattioli G., Pignotti E., Zaccanti F.	2008	Growth and Population Dynamics Model of the Solitary Sunset Cup Coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae) in the Mediterranean Sea	Eleventh International Coral Reef Symposium, Fort Lauderdale (Florida, USA), 7-11 July 2008
Lasker H., Bilewicz J., <b>Goffredo S.</b>	2008	Connectivity in a Caribbean octocoral: a tale of three datasets	Eleventh International Coral Reef Symposium, Fort Lauderdale (Florida, USA), 7-11 July 2008
Mansfield J., <b>Goffredo S.</b> , Coffroth M. A.	2008	Population Structure of the Mediterranean Solitary Coral <i>Balanophyllia europaea</i>	Eleventh International Coral Reef Symposium, Fort Lauderdale (Florida, USA), 7-11 July 2008
Caroselli E., <b>Goffredo S.</b> , Zaccanti F.	2008	Environmental influence on growth and Calcification in a Mediterranean Scleractinian and implications related to global warming.	EUR-OCEANS Network of Excellence: "Global Change and Marine Ecosystems Conference", Rome (Italy), 25-27 November 2008
Falini G., <b>Goffredo S.</b> , Vergni P., Caroselli E., Reggi M.	2009	The role of organic matrix from Mediterranean corals in CaCO <sub>3</sub> precipitation	International School on Biological Crystallization, Granada (Spain), 18-22 May 2009
Tomas M. S., Vergni P., Caroselli E., <b>Goffredo S.</b> , Falini G., Garcia Ruiz J. M.	2009	Coral biomineralization: unpuzzling biopolymeric function	International School on Biological Crystallization, Granada (Spain), 18-22 May 2009
<b>Goffredo S.</b> , Caroselli E., Prada F., Pasquini L., Nonnis Marzano F., Zaccanti F.	2010	Identification of tolerant/sensitive Mediterranean coral species in face of global change	International Society for Reef Studies European Meeting, Wageningen (Netherlands), 13-17 December 2010
<b>Goffredo S.</b> , Marchini C., Rocchi M., Zaccanti F.	2010	Sexual condition and reproductive mode of a Mediterranean caryophyllid solitary coral showing an unusual pattern of embryo production	International Society for Reef Studies European Meeting, Wageningen (Netherlands), 13-17 December 2010
Vergni P., Reggi M., Caroselli E., Sparla ., Levy O., Dubinsky Z., <b>Goffredo S.</b> , Falini G.	2010	The organic matrix influences precipitation patterns of skeletal calcium carbonate in the Mediterranean coral <i>Balanophyllia europaea</i>	International Society for Reef Studies European Meeting, Wageningen (Netherlands), 13-17 December 2010

Caroselli E., Levy O., Zaccanti F., Falini G., Dubinsky Z., <b>Goffredo S.</b>	2010	Growth and demography of the temperate/subtropical scleractinian <i>Leptopsammia pruvoti</i> are unrelated to seawater temperature in the Mediterranean Sea	International Society for Reef Studies European Meeting, Wageningen (Netherlands), 13-17 December 2010
<b>Goffredo S.</b> , Pensa F., Branchini S., Piccinetti C., Zaccanti F.	2010	A study of the distribution of shallow-water populations of <i>Corallium rubrum</i> carried out in collaboration with recreational scuba divers	International Society for Reef Studies European Meeting, Wageningen (Netherlands), 13-17 December 2010
<b>Goffredo S.</b> , Pensa F., Branchini S., Collavo A., Mattielli L., Beccari A., Piccinetti C., Zaccanti F.	2010	Scuba Tourism for the Environment: coral reefs biodiversity monitoring in the northern Red Sea	International Society for Reef Studies European Meeting, Wageningen (Netherlands), 13-17 December 2010
Falini G., Goffredo S., Vergni P., Reggi M., <b>Caroselli E.</b> , Sparla F., Levy O., Dubinsky Z.	2011	Biological and environmental influence on Mediterranean corals calcium carbonate precipitation	XXII Congress and General Assembly of the International Union of Crystallography, Madrid (Spain), 22-30 August 2011
<b>Goffredo S.</b> , Marchini C., Rocchi M., Airi V., Caroselli E., Falini G., Levy O., Dubinsky Z., Zaccanti F.	2011	Reproduction of the solitary coral <i>Caryophyllia inornata</i> (Scleractinia, Caryophylliidae) in the Mediterranean Sea.	72th National Congress of Italian Zoological Union, Bologna (Italy), 5-8 September 2011
<b>Goffredo S.</b> , Prada F., Caroselli E., Levy O., Falini G., Dubinsky Z.	2011	Effects of Sea Acidification on Mediterranean corals at a volcanic site with undersea CO <sub>2</sub> vents	72th National Congress of Italian Zoological Union, Bologna (Italy), 5-8 September 2011
Caroselli E., Levy O., Zaccanti F., Falini G., Dubinsky Z., <b>Goffredo S.</b>	2011	Growth and demography of the temperate-subtropical scleractinian coral <i>Leptopsammia pruvoti</i> are not related to sea surface temperature in the Mediterranean Sea.	72th National Congress of Italian Zoological Union, Bologna (Italy), 5-8 September 2011
<b>Goffredo S.</b> , Prada F., Caroselli E., Capaccioni B., Falini G., Levy O., Dubinsky Z., Zaccanti F.	2012	Different sensitivity among scleractinian corals to enhanced ocean acidification.	Twelfth International Coral Reefs Symposium, Cairns (Queensland, Australia), 9-13 July 2012
Landi V., Reggi M., Sparla F., <b>Goffredo S.</b> , Falini G.	2012	Biom mineralization in Mediterranean scleractinian corals.	XLI National Congress of the Italian Crystallographic Association, Verona (Italy), 11-14 September 2012
Reggi M., Sparla F., <b>Goffredo S.</b> , Dauphin Y., Falini G.	2012	Biom mineralization in scleractinian corals.	XLI National Congress of the Italian Crystallographic Association, Verona (Italy), 11-14 September 2012
Sabbioni L., Reggi M., <b>Goffredo S.</b> , Falini G.	2012	Effects of environmental parameters on the tube shell mineralogy of marine organisms.	XLI National Congress of the Italian Crystallographic Association, Verona (Italy), 11-14 September 2012
Prada F., Caroselli E., Capaccioni B., Falini G., Levy O., Zaccanti F., Dubinsky Z., <b>Goffredo S.</b>	2013	Ocean acidification effects on benthic Mediterranean organisms along a natural CO <sub>2</sub> gradient	10th Annual Conference of the Israeli Association for Aquatic Sciences, Mikhmoret (Israel), 13-14 March 2013

Reggi M., Landi V., Gizzi F., Fermani S., Sparla F., <b>Goffredo S.</b> , Levy O., Dubinsky Z., Dauphin Y., Cuif J.-P., Falini G.	2013	Biom mineralization in Mediterranean scleractinian corals	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December 2013
<b>Goffredo S.</b> , Prada F., Caroselli E., Capaccioni B., Reggi M., Fermani S., Fantazzini P., Pasquini L., Levy O., Dubinsky Z., Falini G.	2013	Biom mineralization and population density of benthic marine calcifiers along a natural carbon dioxide gradient	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December 2013
Branchini S., Pensa F., Neri P., Tonucci B. M., Garuti A., Serafini V., Siroli M., Meschini M., Mattielli L., Collavo A., Sillingardi M. E., Piccinetti C., Zaccanti F., <b>Goffredo S.</b>	2013	Using a citizen science program to monitor coral reef biodiversity through space and time	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December 2013
Prada F., Caroselli E., Capaccioni B., Falini G., Levy O., Dubinsky Z., Zaccanti F., <b>Goffredo S.</b>	2013	Different sensitivities among Mediterranean scleractinian corals to enhanced ocean acidification	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December 2013
Airi V., Gizzi F., Calegari M., Falini G., Levy O., Dubinsky Z., <b>Goffredo S.</b>	2013	Reproductive output in zooxanthellate and azooxanthellate scleractinian corals along a temperature latitudinal gradient	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December 2013
Gizzi F., Airi V., Polimeni G., Levy O., Falini G., Dubinsky Z., <b>Goffredo S.</b>	2013	Effects of ocean acidification on the reproductive output of three Mediterranean corals during natural CO <sub>2</sub> emissions	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December 2013
Nanni V., Caroselli E., Levy O., Falini G., Dubinsky Z., <b>Goffredo S.</b>	2013	Latitudinal variations in biometry and abundance of a Mediterranean solitary coral suggest higher tolerance to seawater warming for non-zooxanthellate species	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December 2013
Marchini C., Airi V., Falini G., Levy O., Dubinsky Z., <b>Goffredo S.</b>	2013	Annual reproductive cycle in a Mediterranean solitary coral <i>Caryophyllia inornata</i> driven by an unusual pattern of embryogenesis	ICCB8, The International Conference on Coelenterate Biology, Eilat (Israel), 1-5 December 2013
Brizi L., Brown R.J.S., Dubinsky Z., Falini G., Fantazzini P., <b>Goffredo S.</b> , Mariani M., Mengoli S., Pasquini L.	2014	NMR relaxometry of scleractinian coral skeletons and environmental changes	12th International Bologna Conference on Magnetic Resonance in Porous Media, Wellington (New Zealand), 9-13 February 2014
Branchini S., Pensa F., Neri P., Tonucci B. M., Mattielli L., Collavo A., Sillingardi M. E., Garuti A., Piccinetti C., Zaccanti F., <b>Goffredo S.</b>	2014	Engaging people in marine biodiversity monitoring programs.	6th Living Knowledge Conference - An Innovative Civil Society: Impact Through Co-creation and Participation, Copenhagen (Denmark), 9-11 April 2014
Reggi M., Landi V., Fermani S., Sparla F., Caroselli E., Gizzi F., Dubinsky Z., Levy O., Cuif J.-P., Dauphin Y., <b>Goffredo S.</b> , Falini G.	2014	Biom mineralization in Mediterranean corals	2nd Joint Congress of the Italian Society of Synchrotron Light and of the Crystallography Italian Society, Florence (Italy), 15-18 September 2014
Prada F., Caroselli E., Capaccioni B., Levy O., Fabricius K.E., Weaver J.C., Falini G., Dubinsky Z., <b>Goffredo S.</b>	2014	Different sensitivity of Mediterranean scleractinian corals to seasonal changes in temperature along a natural CO <sub>2</sub> gradient.	American Academy of Underwater Sciences 33rd Scientific Symposium: Diving for Science, Sitka (USA), 9-13 September 2014

Branchini S., Meschini M., Covi C., Piccinetti C., Zaccanti F., <b>Goffredo S.</b>	2015	Recreational marine citizen science: implications for conservation management and environmental education.	2015 Aquatic Sciences Meeting. Aquatic Sciences: Global and Regional Perspectives – North Meets South, Granada (Spain), 22-27 February 2015
Gizzi F., de Mas L., Marisaldi L., Lazzari V., Airi V., Caroselli E., Prada F., Falini G., Dubinsky Z., <b>Goffredo S.</b>	2015	Effects of ocean acidification on the reproductive output of three Mediterranean corals transplanted at an underwater crater characterized by CO <sub>2</sub> emissions	2015 Aquatic Sciences Meeting. Aquatic Sciences: Global and Regional Perspectives – North Meets South, Granada (Spain), 22-27 February 2015
Caroselli E., Prada F., Capaccioni B., Levy O., Falini G., Dubinsky Z., Kaandorp J., <b>Goffredo S.</b>	2015	Growth and population dynamics of the Mediterranean endemic solitary coral <i>Balanophyllia europaea</i> living along a natural pCO <sub>2</sub> gradient	2015 Aquatic Sciences Meeting. Aquatic Sciences: Global and Regional Perspectives – North Meets South, Granada (Spain), 22-27 February 2015
Prada F., Caroselli E., Capaccioni B., Levy O., Fabricius K. E., Weaver J. C., Falini G., Dubinsky Z., <b>Goffredo S.</b>	2015	Different sensitivity of Mediterranean scleractinian corals to seasonal changes in temperature along a natural CO <sub>2</sub> gradient	2015 Aquatic Sciences Meeting. Aquatic Sciences: Global and Regional Perspectives – North Meets South, Granada (Spain), 22-27 February 2015
Fantazzini P., Prada F., Caroselli E., Capaccioni B., Mengoli S., Pasquini L., Levy O., Weaver J. C., Fabricius K. E., Dubinsky Z., Falini G., <b>Goffredo S.</b>	2015	Differential synergistic adverse effect of increased sea temperature and acidity on corals	Our Common Future Under Climate Change. International Scientific Conference, Paris (France), 7-10 July 2015
Goodbody-Gringley G., Marchini C., Chequer A. D., <b>Goffredo S.</b>	2016	Population structure of <i>Montastrea cavernosa</i> on shallow versus mesophotic reefs in Bermuda	Thirteenth International Coral Reefs Symposium, Honolulu (Hawai'i, USA), 19-24 June 2016
Gizzi F., de Mas L., Airi V., Caroselli E., Prada F., Capaccioni B., Levy O., Falini G., Dubinsky Z., <b>Goffredo S.</b>	2016	Short-term exposure at CO <sub>2</sub> vents affect spermatogenesis in a temperate non-zooxanthellate coral	Thirteenth International Coral Reefs Symposium, Honolulu (Hawai'i, USA), 19-24 June 2016
Prada F., Caroselli E., Mengoli S., Fantazzini P., Capaccioni B., Pasquini L., Levy O., Weaver J. C., Fabricius K. E., Dubinsky Z., Falini G., <b>Goffredo S.</b>	2016	Ocean warming and acidification synergistically increase coral mortality	Thirteenth International Coral Reefs Symposium, Honolulu (Hawai'i, USA), 19-24 June 2016
Caroselli E., Prada F., Capaccioni B., Levy O., Falini G., Dubinsky Z., Kaandorp J., <b>Goffredo S.</b>	2016	Growth and demography of the Mediterranean endemic solitary coral <i>Balanophyllia europaea</i> living along a natural pCO <sub>2</sub> gradient	Thirteenth International Coral Reefs Symposium, Honolulu (Hawai'i, USA), 19-24 June 2016
Teixidó N., Ceccarelli C., Caroselli E., di Meglio E., Gambi M. C., <b>Goffredo S.</b>	2016	Effects of ocean acidification on skeletal characteristics of a temperate coral at a CO <sub>2</sub> vent system	Eleventh International Temperate Reefs Symposium, Pisa (Italy), 26-30 June, 2016
Mancuso A., Gizzi F., Caccia M. G., Simoncini G., Reggi M., Brizi L., Fantazzini P., Falini G., <b>Goffredo S.</b>	2016	Shell morphology and skeletal property variations in the clam <i>Chamelea gallina</i> along a latitudinal gradient in the Adriatic Sea	First Joint National Congress UZI (Italian Zoological Union)-SITE (Italian Society of Ecology)-SIB (Italian Society of Biogeography), Milano (Italy), 31 August - 2 September, 2016

## *In extenso* congress proceedings

Authors	Year	Paper title	Meeting	Publisher	Pages
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<b>Goffredo S.</b>	2001	Population dynamics of the solitary coral <i>Balanophyllia europaea</i> (Anthozoa, Scleractinia) at Calafuria	“Parco dei Due Castelli” Symposium – A Coastal Protected Area, Livorno (Italy), 19 April 2000	Regional Agency for the Environmental Protection of Tuscany (ARPAT), Province of Leghorn, Litografia I. P. (Florence, Italy)	87-89
<b>Goffredo S.</b> , Neri P., Orlandi A., Scola Gagliardi M., Piccinetti C., Zaccanti F.	2005	Divers for the environment: 2002-2005, Mediterranean underwater biodiversity project. Results of the first year of research	“2003-2004 Days of Tourism: Tourism Problems and Policies” Symposium, Novara (Italy), 7-9 May 2003	Università degli Studi del Piemonte Orientale “Amedeo Avogadro”, Department for the Studies on the Enterprise and Territory, Patron Editor (Bologna, Italy)	485-498
Neto G., <b>Goffredo S.</b> , Neri P., Orlandi A., Scola Gagliardi M., Velardi A., Pensa F., Piccinetti C., Zaccanti F.	2006	The Sea of the Tuscany: coasts, sea beads, biological diversity and the monitoring	“Codice Armonico” Symposium, First Congress of Natural Sciences of the Tuscany Region - “Mediterranean Tuscany Zone”, Castiglioncello (Livorno, Italy), 17-19 February 2006	Tuscany Region, Museum of Natural History of Rosignano Solvay, Associazione Amici della Natura, Zadigroma Editor (Rome, Italy)	9-16
<b>Goffredo S.</b> , Piccinetti C., Zaccanti F.	2006:	Volunteers in marine conservation monitoring: Mediterranean <i>Hippocampus</i> Mission, a study on the distribution of seahorses in collaboration with recreational scuba divers	International Workshop: The Diving Activities in the Marine Protected areas and their Impact on the Environment: comparing Mediterranean Experiences, Ostia (Italy), 17-18 February 2005	Roma Nature Symposium (the Natural Parks of Rome), Secche di Tor Paterno, Palombi Editors (Rome, Italy)	99-117
<b>Goffredo S.</b> , Orlandi A., Neri P., Scola Gagliardi M., Velardi A., Pensa F., Piccinetti C., Zaccanti F.	2006	2002-2005 Divers for the environment. Mediterranean underwater biodiversity project. Monitoring in collaboration with the industry of underwater tourism: results after three years of research	International Workshop: The Diving Activities in the Marine Protected areas and their Impact on the Environment: comparing Mediterranean Experiences, Ostia (Italy), 17-18 February 2005	Roma Nature Symposium (the Natural Parks of Rome), Secche di Tor Paterno, Palombi Editors (Rome, Italy)	125-143
<b>Goffredo S.</b> , Neri P., Orlandi A., Pensa F., Scola Gagliardi M., Velardi A., Piccinetti C., Zaccanti F.	2008	Citizen education by involvement in marine biodiversity monitoring.	INTED 2008. International Technology, Education and Development Conference, Valencia (Spain), 3-5 March 2008	International Association of Technology, Education and Development, IATED (Valencia, Spain)	72-81
<b>Goffredo S.</b> , Caroselli E., Pignotti E., Mattioli G., Zaccanti F.	2008	Environmental control on biometry and demography of solitary corals in the Mediterranean Sea.	“Codice Armonico” Symposium, Second Congress of Natural Sciences of the Tuscany Region - “Mediterranean Tuscany Zone”, Castiglioncello (Livorno, Italy), 13-15 March 2008	Tuscany Region, Museum of Natural History of Rosignano Solvay, ETS Editor (Piazza Carrara, Pisa, Italy)	248-257
<b>Goffredo S.</b> , Caroselli E., Mattioli G., Pignotti E., Dubinsky Z., Zaccanti F.	2010	Decreasing of calcification with increasing temperature in a Mediterranean endemic coral	“Codice Armonico” Symposium, Third Congress of Natural Sciences of the Tuscany Region, Castiglioncello (Livorno, Italy), 11-13 March 2010	Museum of Natural History of Rosignano Solvay, ETS Editor (Piazza Carrara, Pisa, Italy)	9-16

Caroselli E., Mattioli G., Zaccanti F., <b>Goffredo S.</b>	2012	Growth and population dynamics model of the temperate azooxanthellate solitary coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae)	“Codice Armonico” Symposium, Fourth Congress of Natural Sciences of the Tuscany Region, Castiglioncello (Livorno, Italy), 15-17 March 2012	Museum of Natural History of Rosignano Solvay, ETS Editor (Piazza Carrara, Pisa, Italy)	58-66
<b>Goffredo S.</b> , Marchini C., Rocchi M., Airi V., Caroselli E., Falini G., Levy O., Dubinsky Z., Zaccanti F.	2012	Reproduction of the solitary coral <i>Caryophyllia inornata</i> (Scleractinia, Caryophylliidae)	“Codice Armonico” Symposium, Fourth Congress of Natural Sciences of the Tuscany Region, Castiglioncello (Livorno, Italy), 15-17 March 2012	Museum of Natural History of Rosignano Solvay, ETS Editor (Piazza Carrara, Pisa, Italy)	188-198
Prada F., Caroselli E., Zaccanti F., Capaccioni B., Falini G., Levy O., Dubinsky Z., <b>Goffredo S.</b>	2013	Ocean acidification effects on benthic Mediterranean organisms along a natural CO <sub>2</sub> gradient	Joint International Scientific Diving Symposium American Academy of Underwater Sciences and European Scientific Diving Panel, Curaçao (The Netherlands), 24-27 October 2013	American Academy of Underwater Sciences (101 Bienville Boulevard, Dauphin Island, USA)	231-233
Gizzi F., Airi V., Caroselli E., <b>Goffredo S.</b>	2014	Population dynamics model of the symbiotic solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae) at Calafuria	“Codice Armonico” Symposium, Fifth Congress of Natural Sciences of the Tuscany Region, Castiglioncello (Livorno, Italy), 27-29 March 2014	Museum of Natural History of Rosignano Solvay, ETS Editor (Piazza Carrara, Pisa, Italy)	68-72

## 19. PAPERS IN IMPACT FACTOR JOURNALS

\*corresponding author

1	<b>Goffredo S.*</b> , Telò T. 1998: Hermaphroditism and brooding in the solitary coral <i>Balanophyllia europaea</i> (Cnidaria, Anthozoa, Scleractinia). <b>Italian Journal of Zoology</b> , 65: 159-165.
2	<b>Goffredo S.</b> , Chadwick-Furman N. E.* 2000: Abundance and distribution of mushroom corals (Scleractinia, Fungiidae) on a coral reef at Eilat, northern Red Sea. <b>Bulletin of Marine Science</b> , 66: 241-254.
3	<b>Goffredo S.*</b> , Telò T., Scanabissi F. 2000: Ultrastructural observations of the spermatogenesis of the hermaphroditic solitary coral <i>Balanophyllia europaea</i> (Anthozoa, Scleractinia). <b>Zoomorphology</b> , 119: 231-240. DOI: 10.1007/PL00008495
4	Chadwick-Furman N. E.*, <b>Goffredo S.</b> , Loya Y. 2000: Growth and population dynamic model of the reef coral <i>Fungia granulosa</i> Klunzinger, 1879 at Eilat, northern Red Sea. <b>Journal of Experimental Marine Biology and Ecology</b> , 249: 199-218. DOI: 10.1016/S0022-0981(00)00204-5

5	<b>Goffredo S.*</b> , Arnone S., Zaccanti F. 2002: Sexual reproduction in the Mediterranean solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae). <b>Marine Ecology Progress Series</b> , 229: 83-94. DOI: 83-94. 10.3354/meps229083
6	<b>Goffredo S.*</b> , Chadwick-Furman N. E. 2003: Comparative demography of mushroom corals (Scleractinia, Fungidae) at Eilat, northern Red Sea. <b>Marine Biology</b> , 142: 411-418. DOI: 10.1007/s00227-002-0980-9
7	<b>Goffredo S.*</b> , Zaccanti F. 2004: Laboratory observations of larval behavior and metamorphosis in the Mediterranean solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae). <b>Bulletin of Marine Science</b> , 74: 449-458.
8	<b>Goffredo S.*</b> , Mattioli G., Zaccanti F. 2004: Growth and population dynamics model of the Mediterranean solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae). <b>Coral Reefs</b> , 23: 433-443. DOI: 10.1007/s00338-004-0395-9
9	<b>Goffredo S.*</b> , Piccinetti C., Zaccanti F. 2004: Volunteers in marine conservation monitoring: a study of the distribution of seahorses carried out in collaboration with recreational scuba divers. <b>Conservation Biology</b> , 18: 1492-1503. DOI: 10.1111/j.1523-1739.2004.00015.x <i>Journal cover paper</i>
10	<b>Goffredo S.*</b> , Mezzomonaco L., Zaccanti F. 2004: Genetic differentiation among populations of the Mediterranean hermaphroditic brooding coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae). <b>Marine Biology</b> , 145: 1075-1083. DOI: 10.1007/s00227-004-1403-x
11	<b>Goffredo S.*</b> , Radetić J., Airi V., Zaccanti F. 2005: Sexual reproduction of the solitary sunset cup coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae) in the Mediterranean. 1. Morphological aspects of gametogenesis and ontogenesis. <b>Marine Biology</b> , 147: 485-495. DOI: 10.1007/s00227-005-1567-z
12	<b>Goffredo S.*</b> , Airi V., Radetić J., Zaccanti F. 2006: Sexual reproduction of the solitary sunset cup coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae) in the Mediterranean. 2. Quantitative aspects of the annual reproductive cycle. <b>Marine Biology</b> , 148: 923-931. DOI: 10.1007/s00227-005-0137-8
13	<b>Goffredo S.</b> , Lasker H. R.* 2006: Modular growth of a gorgonian coral can generate predictable patterns of colony growth. <b>Journal of Experimental Marine Biology and Ecology</b> , 336: 221-229. DOI: 10.1016/j.jembe.2006.05.012
14	Gektidis M.*, Dubinsky Z., <b>Goffredo S.</b> 2007: Microendoliths of the Shallow Euphotic Zone in open and shaded habitats at 30°N - Eilat, Israel - paleoecological implications. <b>Facies</b> , 53: 43-55. DOI: 10.1007/s10347-006-0091-z

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16	<b>Goffredo S.*</b> , Caroselli E., Pignotti E., Mattioli G., Zaccanti F. 2007: Variation in biometry and population density of solitary corals with solar radiation and sea surface temperature in the Mediterranean Sea. <b>Marine Biology</b> , 152: 351-361. DOI: 10.1007/s00227-007-0695-z
17	<b>Goffredo S.*</b> , Caroselli E., Mattioli G., Pignotti E., Zaccanti F. 2008: Relationships between growth, population structure and sea surface temperature in the temperate solitary coral <i>Balanophyllia europaea</i> (Scleractinia, Dendrophylliidae). <b>Coral Reefs</b> , 27: 623-632. DOI: 10.1007/s00338-008-0362-y
18	<b>Goffredo S.</b> , Lasker H. R.* 2008: An adaptive management approach to an octocoral fishery based on the Beverton-Holt model. <b>Coral Reefs</b> , 27: 751-761. DOI: 10.1007/s00338-008-0391-6  <i>Coral Reefs best paper award 2008 short list</i>
19	<b>Goffredo S.*</b> , Caroselli E., Mattioli G., Pignotti E., Dubinsky Z., Zaccanti F. 2009: Inferred level of calcification decreases along an increasing temperature gradient in a Mediterranean endemic coral. <b>Limnology and Oceanography</b> , 54: 930-937. DOI: 10.4319/lo.2009.54.3.0930
20	<b>Goffredo S.*</b> , Di Ceglie S., Zaccanti F. 2009: Genetic differentiation of the temperate-subtropical stony coral <i>Leptopsammia pruvoti</i> in the Mediterranean Sea. <b>Israel Journal of Ecology and Evolution</b> , 55: 99-115. DOI: 10.1560/IJEE.55.2.99  <i>Journal cover paper</i>
21	<b>Goffredo S.*</b> , Pensa F., Neri P., Orlandi A., Scola Gagliardi M., Velardi A., Piccinetti C., Zaccanti F. 2010: Unite research with what citizens do for fun: “recreational monitoring” of marine biodiversity. <b>Ecological Applications</b> , 20: 2170-2187. DOI: 10.1890/09-1546.1
22	<b>Goffredo S.*</b> , Gasparini G., Marconi G., Putignano M. T., Pazzini C., Zaccanti F. 2010: Gonochorism and planula brooding in the Mediterranean endemic orange coral <i>Astroides calycularis</i> (Scleractinia: Dendrophylliidae). Morphological aspects of gametogenesis and ontogenesis. <b>Marine Biology Research</b> , 6: 421-436. DOI: 10.1080/17451000903428488
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25	Caroselli E., Prada F., Pasquini L., Nonnis Marzano F., Zaccanti F., Falini G., Levy O., Dubinsky Z., <b>Goffredo S.*</b> 2011: Environmental implications of skeletal micro-density and porosity variation in two scleractinian corals. <b>Zoology</b> , 114: 255-264. DOI: 10.1016/j.zool.2011.04.003 <i>Journal cover paper</i>
26	<b>Goffredo S.*</b> , Gasparini G., Marconi G., Putignano M. T., Pazzini C., Airi V., Zaccanti F. 2011: Sexual reproduction in the Mediterranean endemic orange coral <i>Astroides calycularis</i> (Scleractinia, Dendrophylliidae). <b>Bulletin of Marine Science</b> , 87: 589-604. DOI: 10.5343/bms.2010.1068
27	<b>Goffredo S.</b> , Vergni P., Reggi M., Caroselli E., Sparla F., Levy O., Dubinsky Z., Falini G.* 2011: The skeletal organic matrix from Mediterranean coral <i>Balanophyllia europaea</i> influences calcium carbonate precipitation. <b>PLoS ONE</b> , 6: e22338. DOI: 10.1371/journal.pone.0022338
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32	Caroselli E., Mattioli G., Levy O., Falini G., Dubinsky Z., <b>Goffredo S.*</b> 2012: Inferred calcification rate of a Mediterranean azooxanthellate coral is uncoupled with sea surface temperature along an 8° latitudinal gradient. <b>Frontiers in Zoology</b> , 9: 32. DOI: 10.1186/1742-9994-9-32
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## 20. PAPERS IN PEER-REVIEW JOURNALS WITHOUT IMPACT FACTOR

\*corresponding author

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## 21. BOOKS

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1	<b>Goffredo S.</b> , Dubinsky Z. (editors) 2014: The Mediterranean Sea. Its history and present challenges. Springer, Dordrecht (ISBN 978-94-007-6703-4; DOI: 10.1007/978-94-007-6704-1)
2	<b>Goffredo S.</b> , Dubinsky Z. (editors) 2016: The Cnidaria, past, present and future. The world of Medusa and her sisters. Springer, Cham (ISBN 978-3-319-31303-0; DOI: 10.1007/978-3-319-31305-4)
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## 22. BOOK CHAPTERS

\* corresponding author

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2	Reggi M., Fermani S., Levy O., Dubinsky Z., <b>Goffredo S.</b> , Falini G.* 2016: Influences of coral intra-skeletal organic matrix on calcium carbonate precipitation. In: Goffredo S., Dubinsky Z. (eds) The Cnidaria, past, present and future. The world of Medusa and her sisters. Springer, Cham. Pages 207-222. DOI: 10.1007/978-3-319-31305-4_13
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## 23. CURRENT RESEARCHES

([www.marinesciencegroup.org](http://www.marinesciencegroup.org))

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### CITIZEN SCIENCE

#### **STE: SCUBA TOURISM FOR THE ENVIRONMENT – RED SEA BIODIVERSITY MONITORING PROGRAM** ([www.STEproject.org](http://www.STEproject.org))

In collaboration with: Ministry of Tourism of the Arab Republic of Egypt, Egyptian Underwater and Lifesaving Federation, Project AWARE Foundation (Switzerland), Association of Italian Tour Operators, Scuba Nitrox Safety International, Scuba Schools International, Underwater Life Project, TuttoTurismo, Neos, Italian Ministry of the Environment and Land and Sea Protection.

Main Objectives:

- To involve dive tourists in the collection of data on the marine biodiversity in the area of Sharm el Sheikh and the Egyptian Red Sea
- To promote environmental education and to improve the naturalistic awareness of tourists
- To promote the development of sustainable tourism
- To enhance the naturalistic resources of the Red Sea
- To contribute to the maintenance of the coral reefs of the Red Sea
- To spread the positive image of tourist activity in general and of the recreational scuba diving in particular

- To divulge in Egypt, Europe and throughout the world a model of balanced exploitation of natural resources
- To give an additional value to recreational dives

## **CORAL ECOLOGY AND BIOLOGY**

### **CORALWARM. CORALS AND GLOBAL WARMING: THE MEDITERRANEAN VERSUS THE RED SEA (WWW.CORALWARM.EU)**

In collaboration with Prof. Zvy Dubinsky (Bar Ilan University) and Prof. Giuseppe Falini (Chemistry Department, University of Bologna). **Project funded by ERC: the European Research Council (FP7 IDEAS program, European Commission, EU).**

CoralWarm will generate for the first time projections of temperate and subtropical coral survival by integrating sublethal temperature increase effects on metabolic and skeletal processes in Mediterranean and Red Sea key species. CoralWarm unique approach is from the nano- to the macro-scale, correlating molecular events to environmental processes. This will show new pathways to future investigations on cellular mechanisms linking environmental factors to final phenotype, potentially improving prediction powers and paleoclimatological interpretation. Biological and chemical expertise will merge, producing new interdisciplinary approaches for ecophysiology and biomineralization. Field transplantations will be combined with controlled experiments under IPCC scenarios. Corals will be grown in aquaria, exposing the Mediterranean species native to cooler waters to higher temperatures, and the Red Sea ones to gradually increasing above ambient warming seawater. Virtually all state-of-the-art methods will be used, by uniquely combining the investigators' expertise. Expected results include responses of algal symbionts' photosynthesis, host, symbiont and holobiont respiration, biomineralization rates and patterns, including colony architecture, and reproduction to temperature and pH gradients and combinations. Integration of molecular aspects of potential replacement of symbiont clades, changes in skeletal crystallography, with biochemical and physiological aspects of temperature response, will lead to a novel mechanistic model predicting changes in coral ecology and survival prospect. High-temperature tolerant clades and species will be revealed, allowing future bioremediation actions and establishment of coral refuges, saving corals and coral reefs for future generations

**“ASSESSING THE IMPACTS OF OCEAN ACIDIFICATION ON MARINE BIODIVERSITY AND SPECIES ADAPTATION (HIGH-CO<sub>2</sub> SEAS)”.**



In collaboration with Dr. Nuria Teixidó Ullod, project coordinator, Stazione Zoologica Anton Dohrn of Naples. **Project funded by Total Foundation, France**

Studies of OA impacts to date have been conducted primarily in the laboratory, thereby preventing assessments of how whole ecosystems comprised of multiple, interacting species will be affected. Naturally acidified systems can provide novel and critical insights into the emergent effects of OA on entire ecosystems, not just single species. Studies using the shallow volcanic CO<sub>2</sub> vents near Castello Aragonese on the island of Ischia (Tyrrhenian Sea, Italy), the first CO<sub>2</sub> vent system studied in the world, have generated key insights on the direct and indirect effects of OA on the surrounding ecosystems. These natural CO<sub>2</sub> vents cause local acidification of seawater by as much as 1.5 pH units below the average ocean pH (on total scale pH<sub>T</sub>) of 8.1-8.2. Corresponding to this pH drop, the diversity and biomass of benthic organisms decrease. Here, we propose to study newly discovered vents along the coast of Ischia across depths of 3 to 48 m. These sites span a variety of different habitats (*e.g.* *Posidonia oceanica* meadows, a cave, coralligenous outcrops), which are hotspots of Mediterranean marine biodiversity, but it is unknown how they will be affected by OA. Thus, these new vents place Ischia at the forefront of natural laboratories for OA studies, allowing us to investigate and report how a suite of ecosystem types responds to acidification.

The project *High-CO<sub>2</sub> Seas* seeks to integrate three major objectives to advance our understanding of the ecological impacts of OA in newly discovered CO<sub>2</sub> vent systems: 1) characterize water chemistry and pH variability, 2) assess the vulnerability of marine benthic biodiversity using a trait-functional approach; and 3) determine the role of acclimation/adaptation in the responses to OA of the coral *Astroides calycularis*. Moreover, we will use virtual reality technology to increase public understanding and awareness of OA. This project is highly collaborative, international, and multidisciplinary leveraging the skills and expertise of an international team of top leaders of marine scientists.

*High-CO<sub>2</sub> Seas* is expected to considerably expand our knowledge on the vulnerability of marine biodiversity and its function to OA. It has a strong link to management and policy at the EU and international levels. Images, videos and results of scientific analyses will provide ample material for outreach products to communicate the anticipated impacts of OA to the public and decision makers.

## **MICROGRAVITY BIOMINERALIZATION**

**TOPICAL TEAM: SPACE BIOREACTOR FOR MARINE MINERALIZATION MATERIAL RESEARCH (SPACEBIOMAT)**

In collaboration with Prof. Zvy Dubinsky (Faculty of Life Sciences, Bar Ilan University), Prof. Giuseppe Falini (Chemistry Department, University of Bologna), and Jaap Kaandorp (Section Computational Science, University of Amsterdam). **Project funded by ESA: European Space Agency.**

Goal: the development of an orbiting aquatic biomineralization research module (the space bioreactor). The module shall provide a unique possibility to investigate the micro-morphology of biominerals and gene expression patterns (transcriptomics experiments) under low gravity conditions, and the process by which the cells sense gravity-induced changes in their local environment. Several non-academic and academic partners are involved.

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## 24. INTERVIEWS IN SCIENTIFIC JOURNALS

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15 December 2016, Nature (<http://www.nature.com/>), di Amber Dance, "Funding: Word perfect"

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## 25. COMMUNICATION ACTIVITIES: POPULAR PUBLICATIONS

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### Books (national publisher)

- Mari C., Maiorca E., Natoli U., **Goffredo S.** 1998: Show, Il Mediterraneo. Lights editrice, Milano, 205 p.
- Cafiero G., Lami F., Moietta A., Ceccarini M., **Goffredo S.** 2000: Open Water Diver, SNSI Air Program, Manual. Scuba Nitrox Safety International, Bologna, 157 p.
- Turano F., Neto G., **Goffredo S.** 2001: Sott'acqua in Mediterraneo. SSI Italia Sub Service, Bologna, 254 p.

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- Goffredo S.**, Piccinetti C., Zaccanti F. 2003: Cavallucci: una esperienza di censimento. Hydra, 22: 24-27.
- Goffredo S.**, Orlandi A., Neri P., Piccinetti C., Zaccanti F. 2003: Progetto biodiversità: sub per l'ambiente. Hydra 22: 39-39.
- Goffredo S.**, Orlandi A., Neri P., Scola Gagliardi M., Velardi A., Piccinetti C., Zaccanti F. 2003: Sub per l'ambiente: il progetto continua. Sub 219: 34-36.

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- Goffredo S.**, Orlandi A., Neri P., Scola Gagliardi M., Velardi A., Piccinetti C., Zaccanti F. 2004: Sub per l'Ambiente: progetto 2002-2005. *Elisir* 1: 28-29.
- Goffredo S.**, Orlandi A., Neri P., Scola Gagliardi M., Velardi A., Piccinetti C., Zaccanti F. 2004: Sub per l'Ambiente: progetto 2002-2005. *Elisir* 2: 32-33.
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- Goffredo S.**, Orlandi A., Neri P., Scola Gagliardi M., Velardi A., Pensa F., Piccinetti C., Zaccanti F. 2005: Un progetto per la salute del mare. *Elisir*, Luglio-Agosto: 44-47.
- Goffredo S.**, Neri P., Pensa F., Branchini S., Piccinetti C., Zaccanti F. 2008: STE Scuba Tourism for the Environment – Red Sea Biodiversity Monitoring Program. *Ambiente Europa*, 1: 23-25.
- Goffredo S.**, Neri P., Pensa F., Branchini S., Piccinetti C., Zaccanti F. 2008: Monitorare il mare. *Mondo Sommerso*, 8: 28-31.
- Goffredo S.**, 2010: Lo squalo di Sharm e le colpe di chi nutre gli animali selvaggi. *Quotidiano Nazionale – Il Resto del Carlino*, martedì 7 dicembre 2010, pag. 15

#### Journals (international diffusion)

- Goffredo S.** 1999: The corals of the Mediterranean, I coralli del Mediterraneo. *Atmosphere*, 59: 98-102.
- Goffredo S.** 2000: The Mediterranean *Hippocampus* Mission, Missione *Hippocampus* Mediterraneo. *Atmosphere*, 67: 148-161.
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- Goffredo S.**, Piccinetti C., Zaccanti F. 2002: Mediterranean *Hippocampus* Mission: a report of the findings following 33 months of research. *SSI Dive Business International*, 2nd quarter 2002: 14-15.
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- Goffredo S.**, Neri P., Pensa F., Branchini S., Piccinetti C., Zaccanti F. 2008: Monitorare il Mare. *Mondo Sommerso*, 8: 28-31.

#### Pamphlets

- Goffredo S.**, Piccinetti C., Zaccanti F. 2000: Uno studio sulla distribuzione geografica ed ecologica dei cavallucci marini mediterranei: "Missione *Hippocampus* Mediterraneo", Anno I. Scuba Schools International Italy, Bologna, 13 p.

- Goffredo S.**, Piccinetti C., Zaccanti F. 2001: “Missione *Hippocampus* Mediterraneo”, risultati dopo 2 anni di ricerca. Scuba Schools International Italy, Bologna, 9 p.
- Goffredo S.**, Piccinetti C., Zaccanti F. 2002: “Missione *Hippocampus* Mediterraneo”, risultati finali. Scuba Schools International Italy, Bologna, 20 p.
- Goffredo S.**, Neri P., Orlandi A., Scola Gagliardi M., Velardi A., Pensa F., Piccinetti C., Zaccanti F. 2007: Unire la ricerca a ciò che I cittadini fanno per divertimento: alleanza tra scienziati e volontari nel monitoraggio per la conservazione marina. Marine Science Group, University of Bologna, Bologna, 24 p.

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## **26. COMMUNICATION ACTIVITIES: POPULAR CONFERENCES, MASS-MEDIA INTERVIEWS, PUBLIC EVENTS PARTICIPATION.**

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- 19 Agosto 1999, Resto del Carlino, di Simona Spagnoli, “Alla ricerca dei cavallucci marini”.
- 29 Ottobre 1999, La Repubblica, di Ilaria Venturi, “Sono a cavalluccio del mare”.
- 26 Marzo 2000, Sala Europa, Palazzo dei Congressi, Fiera di Bologna, 8° Salone Europeo delle Attività Subacquee (EU.DI. Show), Conferenza dal Titolo “Missione *Hippocampus* Mediterraneo, uno studio sulla distribuzione geografica ed ecologica dei cavallucci marini del Mediterraneo: anno I”.
- 23 Settembre 2000, Chioma Beach Diving Center, Quercianella (Livorno), *Hippocampus* Day, Conferenza dal Titolo “Missione *Hippocampus* Mediterraneo: risultati dopo 18 mesi di ricerca”.
- 4 Novembre 2000, RAI uno, Linea Blu (conduce Donatella Bianchi), intervista/servizio sulla “Missione *Hippocampus* Mediterraneo”.
- 15 Dicembre 2000, Aula Ghigi, Dipartimento di Biologia Evoluzionistica Sperimentale, Università degli studi di Bologna, Conferenza dal Titolo “La subacquea è aggregazione”.
- 1 Febbraio 2001, Radio RAI uno / Isoradio, La Notte dei Misteri (conduce Paolo Maria Fontana), intervista/servizio su “Missione *Hippocampus* Mediterraneo”.
- 11 Marzo 2001, RAI tre, TG3 (a cura di Mario Cobellini), intervista/servizio sulla “Missione *Hippocampus* Mediterraneo”.
- 11 Marzo 2001, Sala Europa, Palazzo dei Congressi, Fiera di Bologna, 9° Salone Europeo delle Attività Subacquee (EU.DI. Show), Conferenza dal Titolo “Missione *Hippocampus* Mediterraneo, risultati dopo 2 anni di ricerca”.
- 3-10 Giugno 2001, RAI due, TG2 (a cura di Mario Cobellini), intervista/servizio sulla “Missione *Hippocampus* Mediterraneo”.
- 3-10 Giugno 2001, RAI tre, TG3 (a cura di Mario Cobellini), intervista/servizio sulla “Missione *Hippocampus* Mediterraneo”.
- 3-10 Giugno 2001, RAI uno, TG1 (a cura di Mario Cobellini), intervista/servizio sulla “Missione *Hippocampus* Mediterraneo”.
- 18 Agosto 2001, RAI uno, Linea Blu (conduce Donatella Bianchi), intervista/servizio sulla “Missione *Hippocampus* Mediterraneo”.

- 20-21 Ottobre 2001, Portonovo (Ancona), Sala Congressi Hotel La Fonte, “Missione *Hippocampus* Mediterraneo Riviera del Conero”, conferenza dal titolo “1999-2001, Missione *Hippocampus* Mediterraneo: risultati dopo 33 mesi di ricerca”
- 25 Ottobre 2001, Bologna, Sala Congressi Hotel Sofitel, “Incontri nel Mare”, conferenza dal titolo “1999-2001, Missione *Hippocampus* Mediterraneo: risultati dopo 33 mesi di ricerca”.
- 24 Novembre 2001, RAI uno, Il Meglio di Linea Blu (conduce Donatella Bianchi), intervista/servizio su “Missione *Hippocampus* Mediterraneo”.
- 17 Marzo 2002, Auditorium Fiera di Verona, X Salone Europeo delle Attività Subacquee (EU.DI. Show), Conferenza dal Titolo “Missione *Hippocampus* Mediterraneo: risultati finali”.
- 8 Maggio 2002, RAI tre, TG Leonardo, intervista/servizio su “Missione *Hippocampus* Mediterraneo”.
- 9 Maggio 2002, Dipartimento di Biologia Evoluzionistica Sperimentale, Università degli Studi di Bologna, aula Lauree, conferenza stampa dal titolo “La subacquea ricreativa a supporto del monitoraggio ambientale: risultati finali della “Missione *Hippocampus* Mediterraneo”. Presenti Mario Cobellini della RAI, Monica Lacoppola della Stampa, Ilaria Venturi di Repubblica, Stefano Amadei di Leggo, Eugenio Bortolini del Resto del Carlino e un inviato di Radio Bruno.
- 9 Maggio 2002, RAI tre, TG3 (a cura di Mario Cobellini), intervista/servizio su “Missione *Hippocampus* Mediterraneo” e “Sub per l’Ambiente”.
- 10 Maggio 2002, Dipartimento di Biologia Evoluzionistica Sperimentale, Università degli Studi di Bologna, Aula Ghigi, conferenza dal titolo “La subacquea ricreativa a supporto del monitoraggio ambientale: risultati finali della “Missione *Hippocampus* Mediterraneo”. Presenti Beatrice Spagnoli del gruppo La Nazione, Il Carlino e Il Giorno, Luca Pollini della Gazzetta di Parma, Stefano Tenedini dell’Arena di Verona, Gaetano “Nini” Cafiero di Aqva, Simona Stoppa del Corriere della Sera e di Newton.
- 10 Maggio 2002, Il Domani, di Monica La Coppola, “L’Università e i sommozzatori contano i cavallucci marini”.
- 10 Maggio 2002, Leggo, di Stefano Amadei, “Il mare è pulito, parola di cavalluccio”.
- 28 Giugno 2002, Naturanetwork (<http://www.naturanetwork.com>), di Ilaria Venturi, “In fondo al mare, là dove vivono i cavallucci marini”
- 25 Luglio 2002, Festa Nazionale dell’Unità, Livorno, conferenza stampa di presentazione della ricerca “Sub per l’Ambiente – Progetto Biodiversità Subacquea del Mediterraneo”.
- 8 Agosto 2002, Il Tirreno, di Valeria Volandri, “I sub vanno alla scoperta delle biodiversità”.
- 4 Dicembre 2002, Milano, Hotel Jolly President, Workshop ASTOI (Associazione Tour Operator Italiani) “Sostenibilità e Ruolo dei Tour Operator”, conferenza dal titolo “Il turismo subacqueo a supporto del monitoraggio ambientale: “Missione *Hippocampus* Mediterraneo” e “Sub per l’Ambiente”, due esperienze.
- 12 Febbraio 2003, RAI tre, TG3 (a cura di Mario Cobellini), intervista/servizio su “Sub per l’Ambiente – Progetto Biodiversità Subacquea del Mediterraneo”
- 13 Febbraio 2003, RAI due, TG2 cultura, intervista/servizio su “Sub per l’Ambiente – Progetto Biodiversità Subacquea del Mediterraneo”
- 16 Marzo 2003, Auditorium Fiera di Verona, XI Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo “Sub per l’Ambiente – Progetto Biodiversità Subacquea del Mediterraneo: risultati del primo anno di ricerca”.
- 28 Marzo 2003, Milano Finanze, di Cristina Cimato, “Turisti sub a difesa dell’ambiente”.
- Aprile 2003, Airone, di Antonio Lopez, “Sub italiani: scienziati per studiare la biodiversità”.

- 6 Aprile 2003, Auditorium Fiera di Napoli (Mostra d'Oltre Mare), Borsa Mediterranea del Turismo (BMT), conferenza dal titolo "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo: risultati del primo anno di ricerca".
- Maggio 2003, Quark, di Gloria Ghiara, "Diteci voi cosa c'è sotto".
- 10 Maggio 2003, Chioma Beach Diving Center, Giornate della biodiversità marina, conferenza da titolo "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo: risultati del primo anno di ricerca".
- 14 Maggio 2003, Il Tirreno, di Paolo Morelli, "Scoprire il mare: i sub arruolati come ricercatori".
- 25 Maggio 2003, Kiss Kiss network, speciale "Festa nazionale della subacquea (Palinuro 22-25 maggio 2003)", intervista su "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo"
- 15 Giugno 2003, Naturanetwork (<http://www.naturanetwork.com>), di Michela Trigari, "Biologo per un giorno con "Sub per l'Ambiente"
- 15 Luglio 2003, RAI uno, Superquark (conduce Piero Angela), intervista/servizio su "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo"
- Agosto 2003, Monsieur, di Valentina Ceriani, "In missione nel blu - L'ABC del Mare Nostrum".
- 27 Settembre 2003, Sala convegni Motonave Falerno, Cilento Blu, secondo Workshop del mare per operatori e buyers, conferenza dal titolo "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo: risultati del primo anno di ricerca"
- 3 Ottobre 2003, Radio DJ, DJ Chiama Italia (conducono Linus e Nicola), intervista su "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo"
- 9 Novembre 2003, Rete 4, Pianeta Mare (conduce Gloria Bellicchi), intervista/servizio su "Sub per l'Ambiente - Progetto Biodiversità Subacquea del Mediterraneo"
- 21 Novembre 2003, Sala Polivalente Centro Sportivo Faustina (CONI, Comitato Nazionale Olimpico Italiano), Il mare nell'autunno di Lodi – Serate Culturali a cura della Scuola Subacquea Laudense, conferenza dal titolo "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo: risultati del primo anno di ricerca"
- 14 Marzo 2004, Sala Congressi Fiera di Genova, XII Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo: risultati dei primi due anni di ricerca".
- Maggio 2004, Quark, di Gloria Ghiara, "20000 schede sotto i mari".
- Giugno 2004, Quark, di Gloria Ghiara, "Missione Cavalluccio".
- 12 Giugno 2004, Museo Civico di storia Naturale di Ferrara, Giornata Mondiale per l'Ambiente – Mari e Oceani del Mondo in Pericolo (UNEP: Programma Ambientale delle nazioni Unite), conferenza dal titolo "La subacquea ricreativa a supporto del monitoraggio ambientale: "Missione *Hippocampus* Mediterraneo" e "Sub per l'Ambiente": due esperienze".
- 26 Agosto 2004, Il Resto del Carlino, di Paolo Giacomini, "Vogliamo schedare i pesci e i coralli del Mar Rosso".
- 16 Ottobre 2004, Chioma Beach Diving Center (Quercianella, Livorno), Festa Nazionale di Sub per l'Ambiente, conferenza dal titolo "Dall'origine al futuro del progetto".
- 23 Ottobre 2004, RAI uno, Linea Blu (conduce Donatella Bianchi), intervista/servizio su "Sub per l'Ambiente – Progetto Biodiversità Subacquea del Mediterraneo".
- 25 Dicembre 2004, RAI due, TG2 Dossier Storie (a cura di Lino Lombardi), intervista/servizio su "Missione *Hippocampus* Mediterraneo".

- 25 Dicembre 2004, UNIBO magazine (<http://www.magazine.unibo.it/Magazine/>), “La ricerca biologica da Bologna a Rai 2”
- Gennaio 2005, ASTOI (<http://www.astoi.com/>), “Il reef: tutto ok per l'esperto”
- Gennaio 2005, Aquanews (<http://www.vanaqua.org/media>), “Thousands of ccuba divers make seahorses count”
- 10 Gennaio 2005, Il Resto del Carlino, La Nazione, Il Giorno, di Paolo Giacomini, “Ambiente, salute incerta”.
- 10 Gennaio 2005, Radio 24, Giornale Radio (a cura di Valentina Furlanetto), intervista su “Tsunami Survey Expedition, Maldivian Coral Reefs: 8-16 Gennaio 2005: rilevamento preliminare sulle condizioni dei reef maldiviani dopo il maremoto”.
- 10 Gennaio 2005, Valtiberina Online (<http://www.valtiberinaonline.it/>), di Paolo Giacomini, “Ambiente, salute incerta”
- 10 Gennaio 2005, WinEuropa (<http://www.wineuropa.it/>), di Paolo Giacomini, “Ambiente, salute incerta”
- 12 Gennaio 2005, TTG Italia (<http://www.ttgitalia.com/>), “L'Astoi e il dipartimento biologia marina dell'Università di Bologna verificano lo stato del reef alle Maldive”
- 15 Gennaio 2005, Sky, TG24, intervista/servizio su “Tsunami Survey Expedition, Maldivian Coral Reefs: 8-16 Gennaio 2005: rilevamento preliminare sulle condizioni dei reef maldiviani dopo il maremoto”.
- 17 Gennaio 2005, Canale 5, TG5 (a cura di Giangiacomo Mazzucchelli), intervista/servizio su “Tsunami Survey Expedition, Maldivian Coral Reefs: 8-16 Gennaio 2005: rilevamento preliminare sulle condizioni dei reef maldiviani dopo il maremoto”.
- 23 Gennaio 2005, Radio RAI uno, Capitan Cook (conduce Roberto Zampa), intervista/servizio su “Tsunami Survey Expedition, Maldivian Coral Reefs: 8-16 Gennaio 2005: rilevamento preliminare sulle condizioni dei reef maldiviani dopo il maremoto”.
- 31 Gennaio 2005, RAI tre, TG3 (a cura di Paolo Pini), intervista/servizio sulla spedizione su “Tsunami Survey Expedition, Maldivian Coral Reefs: 8-16 Gennaio 2005: rilevamento preliminare sulle condizioni dei reef maldiviani dopo il maremoto”.
- 4 Febbraio 2005, Il Resto del Carlino, La Nazione, Il Giorno, di Franca Ferri, “Maldive, è vivo il paradiso dei Sub”.
- 8 Febbraio 2005, Sala Congressi di Casa S. Anna, Villanova di Castenaso (Bologna), con il supporto del Comune di Castenaso, Una serata dedicata alla biologia marina – Serate Culturali a cura del Gruppo Sommozzatori Bolognese (Federazione Italiana Pesca Sportiva e Attività Subacquee), conferenza dal titolo “Marine science Group: Tsunami Survey Expedition e le altre attività del Laboratorio”
- 8 Febbraio 2005, La Repubblica.it (<http://www.repubblica.it/>), di Chiara Vergano, “I biologi del mare”
- 12 Febbraio 2005, Radio 24, Radio Giornale (a cura di Vanni Truppi), intervista/servizio su “Tsunami Survey Expedition, Maldivian Coral Reefs: 8-16 Gennaio 2005: rilevamento preliminare sulle condizioni dei reef maldiviani dopo il maremoto”.
- 13 Febbraio 2005, Borsa Internazionale del Turismo BIT 2005, Anfiteatro stand ASTOI (Associazione Tour Operator Italiani), Milano, Laboratorio Sostenibilità, conferenza dal titolo “Il turismo dopo lo Tsunami”.
- 14 Febbraio 2005, Guida Viaggi (<http://www.guidaviaggi.it/>), “Laboratorio sostenibilità ASTOI: il turismo dopo lo tsunami”
- 18 Febbraio 2005, Sestopotere.com (<http://www.sestopotere.com/>), “Il turismo dopo lo tsunami: focus ASTOI sulle Maldive”
- 20 Febbraio 2005, Rete 4, Pianeta Mare (conduce Tessa Delisio), intervista/servizio su “Missione *Hippocampus* Mediterraneo”

- 27 Febbraio 2005 - Rete 4, Pianeta Mare (a cura di Marzio Calessi, conduce Tessa Delisio), intervista/servizio su "Tsunami Survey Expedition, Maldivian Coral Reefs: 8-16 Gennaio 2005: rilevamento preliminare sulle condizioni dei reef maldiviani dopo il maremoto"
- 1 Marzo 2005, L'Unità, di Chiara Vergano, "La missione dell'Università di Bologna. Alle Maldive per curare i coralli".
- 3 Marzo 2005, Mondointasca.org (<http://www.mondointasca.org/>), "L'Universita' di Bologna studia i coralli delle Maldive"
- 13 Marzo 2005, Sala Congressi Fiera di Genova, XIII Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo "Missione *Hippocampus* su Conservation Biology".
- 14 Marzo 2005, Beblogging.com (<http://www.beblogging.com/>), "Tutto quasi OK alle Maldive dopo lo Tsunami"
- 31 Marzo 2005, Panorama, di Chiara Palmerini, "I coralli sono salvi. La barriera dopo lo Tsunami."
- 1 Aprile 2005, Il Giornale del Mare, di Gloria Ghiara, "Il nostro sport è difendere il mare".
- 3 Giugno 2005, Quark, di Gloria Ghiara, "Scienziati per un tuffo".
- 1 Luglio 2005, Roger, di Valentina Ceriani, "L'ABC del Mare Nostrum".
- 9 Luglio 2005, RAI due, TG2 Dossier Storie (a cura di Lino Lombardi), intervista/servizio su "Missione *Hippocampus* Mediterraneo".
- 8 Gennaio 2006, Rete 4, Pianeta Mare (a cura di Marzio Calessi, conduce Tessa Delisio), intervista/servizio su "Tsunami Survey Expedition, Maldivian Coral Reefs: 8-16 Gennaio 2005: rilevamento preliminare sulle condizioni dei reef maldiviani dopo il maremoto".
- 12 Marzo 2006, Sala Congressi Fiera di Genova, XIV Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo "2002-2005: Sub per l'Ambiente, Progetto Biodiversità Subacquea del Mediterraneo. Un monitoraggio ambientale in collaborazione con l'industria del turismo subacqueo. Risultati finali".
- 1 Aprile 2006, Quark, di Gloria Ghiara, "Sub per l'Ambiente: tiriamo le somme".
- 1-9 Luglio 2006, Holiday Service (Hilton Sharm Dreams), Sprindiving (Sprinclub Tower), Sinai Divers (Mövenpick Hotel), Scubadreamer Diving College (Dreams Beach Resort) a Sharm el Sheikh (Egitto), ciclo di quattro conferenze intitolate "STE Scuba Tourism for the Environment. 2006-2010: Red Sea Biodiversity Monitoring Program".
- 3 Agosto 2006, AGI online (<http://www.agi.it/>), "Ambiente: Mar Rosso, sub e ricercatori insieme per difenderlo"
- 3 Agosto 2006, Ocean Conserve (<http://www.oceanconserve.org/>), "Skin Divers and Researchers Defend It"
- 5 Agosto 2006, La Repubblica, di Silvia Bignami, "Biologia usa turisti-ricercatori per radiografare il mare di Sharm".
- 9 Agosto 2006, Il Resto del Carlino, La Nazione, Il Giorno, di Paolo Giacomini, "Ventimila schede sotto il Mar Rosso. Pesci e Coralli sul taccuino dei sub"
- Settembre 2006, Sub, di Gianni Neto, "Presentato a Sharm il progetto STE"
- 8 Settembre 2006, UNIBO magazine (<http://www.magazine.unibo.it/Magazine/>), di Monica Lacoppola, "Cercasi turisti, ma non per caso"
- 19 Ottobre 2006, Unimagazine.it: l'università a portata di mano (<http://www.votailprof.it/Unimagazine/>), di Cinzia Farina, "Università di Bologna: un mare di ... volontari ricercatori"
- 13 Novembre 2006, SNSI (<http://www.scubasnsi.com/>), "Un altro motivo di orgoglio per la SNSI Family"
- 21 Novembre 2006, Quotidiano.net (<http://qn.quotidiano.net/>), "Turisti in prima linea per salvare il Mar Rosso"
- Gennaio 2007, Tuttoturismo, di Gloria Ghiara, "Profondo rosso"
- 8 Febbraio 2007, Mondointasca.org (<http://www.mondointasca.org/>), di Silvana Santoro, "Nel mar Rosso per studiare i coralli"



- 18 Febbraio 2007, RAI Radio 2, Strada Facendo, conduce Federica Gentile, Intervista su “STE: Scuba Tourism for the Environment”.
- 24 Febbraio 2007, Borsa Internazionale del Turismo BIT 2007, Sala Meeting stand ASTOI (Associazione Tour Operator Italiani), Milano, Laboratorio Sostenibilità, conferenza dal titolo “Turisti subacquei volontari nel monitoraggio marino per la conservazione”.
- 10 Marzo 2007, Centro Meeting Nuova Fiera di Roma, XV Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo “Turisti subacquei volontari nel monitoraggio marino per la conservazione”.
- 2 Marzo 2008, Centro Congressi Meeting Nuova Fiera di Roma, XVI Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo “STE: Scuba Tourism for the Environment: risultati del primo anno di ricerca”.
- 18 Giugno 2008, La Repubblica, di Ilaria Venturi, “Sub volontari in Mar Rosso alla ricerca dei coralli più rari”.
- 9 Luglio 2008, Oggi, di Luigi Bignami, "Aiutate a censire tutto il Mar Rosso".
- 22 Luglio 2008, RTSI Radiotelevisione svizzera italiana Radio Rete 1, Lo Sciamano in Bicicletta, conduce Feo de Maffeo. Intervista su “STE: Scuba Tourism for the Environment”.
- 8 Settembre 2008, RER-Radio Emilia-Romagna, Campus, a cura di Radio Città del Capo. Intervista su “Citizen Science e STE: Scuba Tourism for the Environment”.
- Settembre 2008, Tuttoturismo, di Nicoletta Salvatori, “I protagonisti del turismo: 3 domande a Stefano Goffredo”.
- 1 Marzo 2009, Centro Congressi Meeting Nuova Fiera di Roma, XVII Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo “STE: Scuba Tourism for the Environment: risultati del secondo anno di ricerca”.
- 16 Luglio 2009, Radio Monte Carlo, Anteprima News, conduce Maurizio di Maggio. Intervista su “Citizen Science e STE: Scuba Tourism for the Environment”.
- 31 Luglio 2009, Il Venerdì di Repubblica, di Natascia Ronchetti, “Hippo-Campus: le vacanze a Riccione di mille cavallucci marini”.
- 8 Agosto 2009, Il Sole 24 Ore, di Ilaria Conti; "Ateneo di Bologna promuove i fondali".
- 22 Dicembre 2009, La Repubblica, di Ilaria Venturi, "Ha portato tre milioni all'Alma Mater ma lui è Cococo".
- 24 Gennaio 2010, Quotidiano Nazionale – Il Resto del Carlino, La Nazione, Il Giorno -, di Franza Ferri, “Sono Cococo nel mar dei coralli”.
- 26 Gennaio 2010, RAI tre, TG Leonardo (a cura di Francesco Rositano), intervista/servizio “Coralli di Pace: Progetto CoralWarm”.
- 28 Gennaio 2010, RAI tre, TG3 (a cura di Francesco Rositano), intervista/servizio su “CoralWarm”.
- 14 Febbraio 2010, Centro Congressi Meeting Fiera di Bologna, XVIII Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo “STE: Scuba Tourism for the Environment: risultati del terzo anno di ricerca”.
- 18 Febbraio 2010, Borsa Internazionale del Turismo BIT, Stand del Ministero del Turismo della Repubblica Araba d’Egitto, incontro privato con il Ministro Dr Zoheir Garranah, presentazione “STE: Scuba Tourism for the Environment: risultati del terzo anno di ricerca”.
- 19 Febbraio 2010, Borsa Internazionale del Turismo BIT, Stand Associazione Tour Operator Italiani ASTOI, presentazione “STE: Scuba Tourism for the Environment: risultati del terzo anno di ricerca”.
- 22 Marzo 2010, Camera dei Deputati, Parlamento Italiano, tavola rotonda sul progetto di legge per le attività subacquee sportive e professionali “Sicurezza nelle attività subacquee: figlia di un Dio Minore?”, presentazione della American Academy of Underwater Sciences.
- 17 Maggio 2010, La Stampa, di Franco Giubilei, “Troppo caldo per i coralli”
- 17 Maggio 2010, Quimare.com (<http://www.quimare.com/>), "Progetto da 3,3 mln per salvare i coralli"

- 17 Maggio 2010, Cambiamenti Climatici (<http://cambiamenti-climatici.blogspot.it/>), “Salvare i coralli della emissioni di CO<sub>2</sub>”
- 28 Luglio 2010, RadioStudioPiù, La Carovana On the Road, conduce Paolino, intervista su “STE: Scuba Tourism for the Environment”.
- 21 Agosto 2010, Radio24, Moebius, conduce Federico Pedrocchi, intervista su “STE: Scuba Tourism for the Environment”.
- 24 Settembre 2010, Piazza Scaravilli, Bologna, La notte dei Ricercatori, presentazione dal titolo “CoralWarm. Riscaldamento Globale & i coralli nel nostro mare”.
- 29 Novembre 2010, COSMOS magazine (Australia), di Mico Tatalovic, “Acidic seas threaten coral reefs”
- 4 Febbraio 2011, Yahoo! Notizie Italia (<http://it.notizie.yahoo.com/>), "Ambiente: Marevivo, muore giardino dei coralli in Sudan"
- 4 Febbraio 2011, Asca: agenzia stampa quotidiana nazionale (<http://www.asca.it/>), "Ambiente: Marevivo, muore giardino dei coralli in Sudan"
- 5 Febbraio 2011, Arte e Scienza in Piazza, Agorà la Ricerca di Frontiera, presentazione “CoralWarm: il mare dei coralli tra cento anni”
- 5 Febbraio 2011, *Ecquo*: sostenibilità sociale, economica e ambientale (<http://magazine.quotidiano.net/ecquo/>), "Dall'Università di Bologna e da Marevivo un allarme per le barriere coralline del Sudan"
- 6 Febbraio 2011, *Ansa.it* (<http://www.ansa.it/>), "A rischio giardino dei coralli in Sudan"
- 12 Febbraio 2011, *L'Unione Sarda*, di Francesco Mannoni, “Così l’anidride asfissia l’economia e la vita dei mari”
- 13 Febbraio 2011, Centro Congressi Meeting Fiera di Bologna, XIX Salone Europeo delle Attività Subacquee (EU.DI. Show), conferenza dal titolo “STE: Scuba Tourism for the Environment: risultati del quarto anno di ricerca”.
- 17-20 Febbraio 2011, Fiera Milano (Rho), Borsa Internazionale del Turismo BIT, presentazione del progetto “STE: Scuba Tourism for the Environment: risultati del quarto anno di ricerca”.
- 23 Settembre 2011, Piazza Scaravilli, Bologna, La Notte dei Ricercatori, presentazione dal titolo “Tutti tra i coralli: la biodiversità del Mar Rosso, nello spazio e nel tempo”.
- 23-27 Settembre 2011, START – Laboratorio di Culture Creative, Voltone del Podestà, Piazza Re Enzo, Bologna e 21 Ottobre – 2 Novembre 2011, Festival della Scienza, Genova, *Questione di Chimica*, presentazione dal titolo “Il futuro del mare è scritto nei coralli. “CoralWarm”: un progetto europeo per studiare gli effetti del clima e dell’inquinamento sui fondali marini”.
- 16-19 Febbraio 2012, Fiera Milano (Rho), Borsa Internazionale del Turismo BIT e XX Salone Europeo delle Attività Subacquee (EU.DI. Show), presentazione del progetto “STE: Scuba Tourism for the Environment: risultati del quinto anno di ricerca”.
- 21 Marzo 2012, RAI tre, *Geo&Geo* (conduce Marco Castellazzi), intervista/servizio su “CoralWarm: Corals and global Warming”
- 1-2 Giugno 2012, I ricercatori parlano alla città: in piazza tra bolle e coralli, Giardini Margherita, Bologna.
- Agosto 2012, *WIRED* magazine (Italia), di Angela Simone, “Occhio al cavalluccio”
- 17 Ottobre 2012, Piazza Scaravilli, Bologna, AlmaFest party con UNIBO, presentazione dal titolo “AlmaCoral, l’influenza dei cambiamenti climatici sulla biodiversità”
- 5 Novembre 2012, *Il Resto del Carlino*, di Gilberto Dondi, “Mi ha drogato con I coralli poi ha tentato di strangolarmi”
- 5 Novembre 2012, *Il Resto del Carlino*, di Gilberto Dondi, “Sbagliando dose di coralli avrebbe potuto uccidere”

- 14-17 Febbraio 2013, Fiera Milano (Rho), Borsa Internazionale del Turismo BIT e XXI Salone Europeo delle Attività Subacquee (EU.DI. Show), presentazione del progetto “STE: Scuba Tourism for the Environment: risultati del sesto anno di ricerca”.
- 20 Febbraio 2013, Il Resto del Carlino, di Federica Gieri, “Cervelli in arrivo, da Harvard all’Alma mater”
- Giugno 2013, International Innovation (United Kingdom), “Coral conudrum”
- 21 Giugno 2013, Corriere della Sera.it (<http://www.corriere.it/>), di Manuela Campanelli, “I coralli possono guarire. A patto che l’uomo stia lontano”
- 28 Settembre 2013, RAI uno, Linea Blu (conduce Donatella Bianchi), intervista/servizio su “CoralWarm: l’esperimento di Panarea e l’effetto dell’acidificazione del mare sugli organismi calcificanti”
- 16 Ottobre 2013, Bolognafiere, Bologna, Smart City Exhibition 2013, presentazione dal titolo “Citizen Science”.
- 22 Ottobre 2013, Piazza Verdi, Bologna, AlmaFest party con UNIBO, presentazione dal titolo “CoralWarm e STEproject”
- 13-15 Febbraio 2014, Fiera Milano (Rho), Borsa Internazionale del Turismo BIT, presentazione del progetto “STE: Scuba Tourism for the Environment: risultati del settimo anno di ricerca”.
- 15 Marzo 2014, Fiera di Bologna, XXII Salone Europeo delle Attività Subacquee (EU.DI. Show), Master della Subacquea, presentazione dal titolo “Il cratere sottomarino di Panarea: un laboratorio naturale per lo studio dell’acidificazione del mare”.
- 14-17 Marzo 2014, Fiera di Bologna, XXII Salone Europeo delle Attività Subacquee (EU.DI. Show), presentazione del progetto “STE: Scuba Tourism for the Environment: risultati del settimo anno di ricerca”.
- 2 Aprile 2014, Corriere della Sera.it (<http://www.corriere.it/>), di Manuela Campanelli, “Turismo e ambiente: salvare i coralli in vacanza a Sharm”
- 18 Luglio 2014, Il Venerdì di Repubblica, di Angela Simone, “Il Mediterraneo nel 2100 sarà un mare di alghe”
- 31 Luglio 2014, Corriere della Sera.it (<http://www.corriere.it/>), di Rudi Bressa, “Mediterraneo: il futuro svelato dai vulcani sottomarini”
- 26 Settembre 2014, Voltone del Podestà, Bologna, La Notte dei Ricercatori, presentazione dal titolo “Mare da salvare”.
- 31 Luglio 2014, Corriere della Sera.it (<http://www.corriere.it/>), di Rudi Bressa, “Mediterraneo: il futuro svelato dai vulcani sottomarini”
- 2 Dicembre 2014, Oggiscienza. La ricerca e i suoi protagonisti (<http://oggiscienza.wordpress.com/>), di Marco Boscolo, “Coralli in orbita”
- 6-9 Marzo 2015, Fiera di Bologna, XXIII Salone Europeo delle Attività Subacquee (EU.DI. Show), presentazione dei progetti “STE: Scuba Tourism for the Environment: risultati dell’ottavo anno di ricerca” e “CoralWarm”.
- 25 Settembre 2015, San Giovanni in Monte, Bologna, La Notte dei Ricercatori, presentazione dal titolo “Save our seas! Dalle vongole dell’Adriatico alle scogliere coralline del Mar Rosso, passando per i coralli di Panarea”.
- 11 Febbraio 2016, Fiera Milano (Rho), Borsa Internazionale del Turismo BIT, presentazione del progetto “Glocal Education. Progetto educatori ambientali. Spin-off project”.
- 4-6 Marzo 2016, Fiera di Bologna, XXIV Salone Europeo delle Attività Subacquee (EU.DI. Show), presentazione dei progetti “STE: Scuba Tourism for the Environment: risultati del nono anno di ricerca” e “CoralWarm”.
- 22 Aprile 2016, Liceo Laura Bassi, La Giornata del Clima, in occasione de La Giornata della Terra, presentazione dal titolo “Il futuro degli oceani e dei suoi abitanti. Il cratere sottomarino di Panarea: un laboratorio naturale per lo studio degli effetti dell’acidificazione del mare sugli organismi calcificanti. Citizen Science: il coinvolgimento dei volontari nei monitoraggi ambientali”.

- 30 Settembre 2016, CUBO Centro Unipol Bologna, Bologna, La Notte dei Ricercatori, presentazione dal titolo “Un mare da salvare”.
- 11 Dicembre 2016, Sala Ulisse, Palazzo Poggi, Bologna, La Via Zamboni Scienza, La Scienza Infusa, presentazioni dai titoli “Il cratere sottomarino di Panarea: un laboratorio naturale per lo studio degli effetti di acidificazione del mare” e “Citizen Science: il coinvolgimento dei volontari nei monitoraggi ambientali”.
- 27 Gennaio 2017, Fiera di Düsseldorf, 47th International Boat Show (Boot), presentazione del progetto “Sea Sentinels: Divers United for the Environment”.
- 3-5 Marzo 2017, Fiera di Bologna, XXV Salone Europeo delle Attività Subacquee (EU.DI. Show), presentazione del progetto “Sea Sentinels: Divers United for the Environment”.
- 6 April 2017, Y-40, SCUBAPRO European Sales Meeting, presentazione del progetto “Sea Sentinels: Divers United for the Environment”.
- 7-8 April 2017, Santa Margherita Ligure (Genova), PADI Regional Manager Meeting, presentazione del progetto “Sea Sentinels: Divers United for the Environment”.
- 24 April 2017, Decostop Piacenza, presentazione del progetto “Sea Sentinels: Divers United for the Environment”.
- 18 Maggio 2017, Oratorio di San Filippo Neri, Bologna, La Ricerca in Scena, conferenza/spettacolo dal titolo “Il Cratere di Panarea. Un Viaggio nel Mare del Futuro”.
- 31 Maggio 2017, Piscine dello Stadio, Bologna, Piano Nazionale Lauree Scientifiche, manifestazione dal titolo “Immersione Subacquea Scientifica: Diventare Subacquei per Studiare il Mare e i Suoi Abitanti”.
- 8 Giugno 2017, Livorno, PADI Member Forum, presentazione del progetto “Sea Sentinels: Divers United for the Environment”.
- 31 Agosto 2017, Museo di Storia Naturale di Ferrara, Mostra "Meduse & Cnidaria": presentazione dal titolo “Un viaggio nel mare del futuro”; Membro del Comitato Scientifico della Mostra.
- 28 Agosto – 3 Settembre 2017, Ustica, Italy Dive Fest, presentazione del progetto “Sea Sentinels: Divers United for the Environment”.
- 29 Settembre 2017, Salaborsa, Bologna, La Notte dei Ricercatori, presentazione dal titolo “L'uomo e il mare”.
- 27 Ottobre 2017, Grand Hotel Villa Igea, Palermo, 4° Forum Terziario Donna, Donne Motore della Ripresa, presentazione del progetto “Sea Sentinels: Divers United for the Environment”.
- 6 Dicembre 2017, Palazzo dei Congressi, Ravenna, Citizen science: la scienza di tutti!, presentazione dal titolo ““Recreational Citizen Science”: unire ricerca e divertimento, coinvolgendo subacquei nel monitoraggio della biodiversità marina”.
- 21 Dicembre 2017, Campus di Ravenna (Università di Bologna), Ravenna, BiGeA Racconta, Cambiamenti Climatici e Mare: Rischi e Implicazioni, presentazione dal titolo “Coralli: processo di calcificazione e risposta all'acidificazione dei mari”