

## CURRICULUM VITAE

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Last update: July 31, 2017



## Valentina Airi

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Marine Science Group  
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Home: Via Castellaccio 15/B, Crespellano - Valsamoggia (BO), European Union, Italy

Nationality: Italian  
Date of Birth: September 07, 1979  
Place of Birth: Muravera (CA), European Union, Italy  
Gender: Female  
Marital Status: Single

## Education

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June 2014 – today	Post-doctorate, Department of Biological, Geological and Environmental Sciences, Alma Mater Studiorum – University of Bologna (Italy). <u>Title of research project:</u> “Ocean warming and acidification effects on Mediterranean coral reproduction”. Funds by the European Research Council (FP7 – IDEAS programme), European Union, for the project “Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm).
8 May 2014	Ph.D dissertation in “Biodiversity and Evolution”, Alma Mater Studiorum – University of Bologna, Bologna (Italy). <u>Title of Ph.D. Thesis:</u> “Reproduction of Mediterranean zooxanthellate and azooxanthellate scleractinian corals along environmental gradients”.
2011 – 2013	Ph.D course in “Biodiversity and Evolution”. Alma Mater Studiorum – University of Bologna, (Italy). Supervision: Dr Stefano Goffredo. Funds by the European Research Council (FP7 – IDEAS programme), European Union, for the project “Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm).
2009	Admitted to Professional “Biologists National Order”. Qualification to practice the profession of Biologist. Enrollment N° 060480.
2005	Profession Biologist qualification certificate (state examination). Alma Mater Studiorum – University of Bologna, Bologna (Italy).
14 December 2004	Master Degree (M.Sc.) in Biological Sciences, Alma Mater Studiorum – University of Bologna, Bologna (Italy). <u>Title of M.Sc. Thesis:</u> “Sexual reproduction of the solitary sunset cup coral <i>Leptopsammia pruvoti</i> (Scleractinia, Dendrophylliidae) in the Mediterranean. Quantitative aspects of the annual reproductive cycle. Supervisor: Prof. Francesco Zaccanti, co-supervisor: Dr. Stefano Goffredo.
1998	Scientific High School Degree at the Liceo Scientifico “Giordano Bruno”, Muravera (CA, Italy).

## Areas of scientific interest

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Biology and reproductive strategies in temperate and subtropical corals, and their relationship with environmental parameters; global climate change and its effect on reproductive biology; use of contemporary corals in predictive models concerning with global climate change.

## Academic professional experience

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June 2014 – today	<u>Postdoctoral fellowship.</u> “Ocean warming and acidification effects on Mediterranean coral reproduction”. Department of Biological, Geological and Environmental Sciences, Alma Mater Studiorum – University of Bologna (Italy). Funds by the European Research Council (FP7 – IDEAS programme), European Union, for the project “Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm).
2004 – today	<u>Research support:</u> Marine & Freshwater Science Group Association, 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 ( <a href="http://www.msgassociation.org">www.msgassociation.org</a> ).
January 2006	<u>Collaboration to research project:</u> “Realization of informative book on Mediterranean Marine Protected Species”. ICRAM - Central Institute for Scientific and Technological Research applied to the Sea (actually ISPRA). State Institute of scientific research related to the marine environment. Funds: research project

- April 2006 (ICRAM n° 246) “Training of the harbour personnel about Mediterranean species and marine protected areas”.  
Collaboration to research project: “Realization of informative book on Mediterranean Marine Protected Species”. ICRAM - Central Institute for Scientific and Technological Research applied to the Sea (actually ISPRA). State Institute of scientific research related to the marine environment. Funds: research project (ICRAM n° 319) “New MPA”.

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## Academic institutional experience

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- July 2015 – today Member of the Working Group for Communication of the Department of Biological, Geological and Environmental Sciences of the University of Bologna

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## Other professional experience

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- 2015 – today Webmaster. [www.marinesciencegroup.org](http://www.marinesciencegroup.org), website of the Marine Science Interdisciplinary Research Group, Department of Evolutionary and Experimental Biology, University of Bologna (Italy). Research group of Citizen Science & Coral Biology and Ecology.
- 2014 Assistant assessor. Assessments of Mediterranean corals conservation status for the Red List of Threatened Species ([www.iucnredlist.org](http://www.iucnredlist.org)), requested by the International Union for Conservation of Nature ([www.iucn.org](http://www.iucn.org)).
- 2007 – 2010 Statistical processing data: Fashion House EMILIO PUCCI S.R.L.
- 2004 – 2007 Environmental and science education: LIFE LEARNING CENTER, the first permanent Italian Center of training, informal education and research on Biology and Biotechnology Sciences. Support and assistance in the laboratory activities on biotechnology, genetics, molecular biology and ecology.

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## International Advisory

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- 2017 Referee. “PLOS ONE” Public Library of Science, San Francisco, USA (February, 03 2017)
- 2016 Referee. “PLOS ONE” Public Library of Science, San Francisco, USA (August, 03 2016)
- 2015 Assistant referee. “Coral Reefs”. Journal of the International Society for Reef Studies, Springer Berlin Heidelberg (September, 16 2015)
- 2015 Assistant referee. “Biogeoscience”. Copernicus Publications, Germany EU (September, 15 2015)
- 2014 Assistant referee. “National Science Foundation ([www.nsf.gov](http://www.nsf.gov))”. (1 research projects reviewed, September, 25 2014)
- 2014 Assistant referee. “The American Naturalist”. University of Chicago Press, Chicago USA (1 manuscript reviewed, July, 22 2014)
- 2014 Assistant referee. “Zoology”. Elsevier, Amsterdam Netherlands (1 manuscript reviewed, June, 20 2014)
- 2014 Assistant examiner. **University of Reunion Island**, Faculty of Sciences and Technologies, Doctoral School, France. (1 Doctoral Thesis evaluated: March 31, 2014)
- 2014 e 2013 Assistant referee. “Zoological Society of London ([www.zsl.org](http://www.zsl.org))”. EDGE (Evolutionarily Distinct and Globally Endangered), Fellows Programme, [www.edgeofexistence.org](http://www.edgeofexistence.org) (2 research projects reviewed, May, 20 2014; April, 15 2013)
- 2013 Assistant referee. “Hydrobiologia”. Springer, Dordrecht, Netherlands (1 manuscript reviewed, July, 10 2013)

- 2013 e 2012      Assistant referee. “Marine Ecology Progress Series”. Inter-Research, Oldendorf Luhe, Germany (3 manuscripts reviewed, September, 17 2012; December, 10 2012; March, 28 2013)
- 2011      Assistant referee. “Journal of the Marine Biological Association of the United Kingdom”. Cambridge University Press, New York, USA (1 manuscript reviewed, July 2011)
- 2011      Assistant referee. “Bulletin of Marine Science”. Journal of the Rosenstiel School of Marine and Atmospheric Science of the University of Miami, Miami, USA (1 manuscript reviewed, July, 19 2011)

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## Prizes

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Student awards 2013. ICCB8 2013-The international conference on coelenterate biology, Eilat (Israel) 1-5 December 2013)

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## Other qualifications

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- 2015      Rescue Diver SNSI (RD15000209IT)
- 2015      BLS First Aid SNSI (BLSD15001071IT)
- 2006      Marine biology Instructor TRIMIX SCUBA ASSOCIATION (CFI 001 IT).
- 2004      Advanced Open Water Diver SSI (2300402650A)
- 2002      International certificate 1 star CMAS (P1 I22081 BO/02)

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## Participation to research projects

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- 2014 – oggi      Collaboration to research. “Topical team: space bioreactor for marine mineralization material research (SPACEBIOMAT)” coordinated by Prof. Stefano Goffredo, Prof. Zvy Dubinsky, Prof. Giuseppe Falini, e Prof. Jaap Kaandorp funded by the ESA, European Space Agency.
- 2011 – today      Collaboration to research. “Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm; www.coralwarm.eu), coordinated by Prof. Stefano Goffredo, Prof. Zvy Dubinsky and Prof. Giuseppe Falini, funded by the European Research Council (FP7 – IDEAS programme), European Union.
- January 2006      Collaboration to research. “Training of the harbour personnel about Mediterranean species and marine protected areas” (Grant agreement n° 246) coordinated by Dr. Leonardo Tunesi. Funded by ICRAM – Central Institute for Scientific and Technological Research applied to the Sea (actually ISPRA).
- April 2006      Collaboration to research project: “New MPA” (Grant agreement n° 319) coordinated by Dr. Leonardo Tunesi. Funded by ICRAM – Central Institute for Scientific and Technological Research applied to the Sea (actually ISPRA).

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## Research abroad

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- 2013      Abroad period during the Ph.D. course at the Mina and Everard Goodman Faculty of Life Sciences at the Bar-Ilan University (Ramat Gan, Israel) under the supervision of Prof. Zvy Dubinsky and Dr Oren Levy. Conducted an experiment performed under controlled conditions focused to quantify the effects of pH and temperature on the photosynthetic efficiency, metabolic effort and reproductive capacity in Mediterranean scleractinian corals.

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## Funding ID

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2016 - 2017	<u>Postdoctoral fellowship.</u> Funds (100%) by the European Research Council (FP7 – IDEAS programme; Grant Agreement no: 249930), Unione Europea, per il progetto “Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm). (amount: € 19.367,00).
2015 - 2016	<u>Postdoctoral fellowship.</u> Funds (100%) by the European Research Council (FP7 – IDEAS programme; Grant Agreement no: 249930), Unione Europea, per il progetto “Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm). (amount: € 19.367,00).
2014 - 2015	<u>Postdoctoral fellowship.</u> Funds (100%) by the European Research Council (FP7 – IDEAS programme; Grant Agreement no: 249930), Unione Europea, per il progetto “Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm). (amount: € 19.367,00).
2011 – 2013	<u>P.h.D Scholarship.</u> Funds (100%) by the European Research Council (FP7 – IDEAS programme; Grant Agreement no: 249930), European Union, for the project “Corals and Global Warming: the Mediterranean versus the Red Sea” (CoralWarm). (amount: € 40.915,41)
2011 – 2013	‘High level training’ scholarship. Funds Regione Autonoma della Sardegna (P.O.R. FSE 2007 – 2013 “Master and Back programme – public call 2010 - High level training” (Grant agreement no: 1128/ARL. 22/11/2010). (amount: € 31.084,59).
January 2006	<u>Research fellowship.</u> Funds by ICRAM – Central Institute for Scientific and Technological Research applied to the Sea (actually ISPRA) for the project “Training of the harbour personnel about Mediterranean species and marine protected areas” (Grant agreement n° 246). (amount: € 4.643,00).
April 2006	<u>Research fellowship.</u> Funds by ICRAM – Central Institute for Scientific and Technological Research applied to the Sea (actually ISPRA) for the project “New MPA” (Grant agreement n° 319). (amount: € 1.550,00).

## Supervision of PhD students

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2015 – 2016	Chiara Marchini; PhD in “Biodiversity and Evolution”, Alma Mater Studiorum – Università di Bologna. PhD dissertation: Reproduction and population structure of temperate and tropical corals in relation to environmental parameters. Supervisor: Prof. Stefano Goffredo, co-supervisor Dott.ssa Valentina Airi.
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## Supervision of students

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2015 – 2016	Diana Calbucci; Master of Science in Marine Biology, University of Bologna; Thesis title: “Molecular characterization of the heat stress response in Mediterranean shallow-water corals”; Supervisor: Dr Silvia Franzellitti, co-supervisor: Prof. Stefano Goffredo, Dr Valentina Airi.
2015 – 2016	Sara Natale; Bachelor of Science in Scienze Biologiche, University of Bologna; Thesis title: “Study of the reproductive efficiency of the zooxanthellate solitary coral <i>Balanophyllia europaea</i> exposed in aquarium to different conditions of pH and temperature”; supervisor: Prof. Stefano Goffredo e co-supervisor Dr Valentina Airi.
2015 – 2016	Michela Castioni; Bachelor of Science in Scienze Biologiche, University of Bologna; Thesis title: “Study of the reproductive efficiency of the non-zooxanthellate solitary coral <i>Leptopsammia pruvoti</i> exposed in aquarium to different conditions of pH and temperature”; supervisor: Prof. Stefano Goffredo e co-supervisor: Dr Valentina Airi.
2015 – 2016	Veronica Lisini Baldi; Bachelor of Science in Natural Science, University of Florence; Thesis title: “Study of the reproductive efficiency of the non-zooxanthellate solitary coral <i>Leptopsammia pruvoti</i> along a latitudinal gradient of

- temperature and solar radiation.”; supervisor: Prof. Felicita Scapini (UNIFI); co-supervisor: Dr Stefano Goffredo (BiGeA) e Dr Valentina Airi (BiGeA).
- 2010 – 2011 Selena Prantoni; Master of Science in Biodiversity and Evolution; Thesis title: “Variation of the reproductive output in the coral *Leptopsammia pruvoti* (Scleractinia, Dendrophylliidae) along a latitudinal gradient of temperature”; supervisor: Dr Stefano Goffredo (BES); co-supervisor: Dr Valentina Airi (BES).
- 2010 – 2011 Francesca Gizzi; Master of Science in Biodiversity and Evolution; Thesis title: “Variation of the reproductive output in the coral *Balanophyllia europaea* (Scleractinia, Dendrophylliidae) along a latitudinal gradient of irradiance and temperature”; supervisor: Dr Stefano Goffredo (BES); co-supervisor: Dr Valentina Airi (BES).
- 2010 – 2011 Marta Rocchi; Bachelor of Science in Biological Sciences; Thesis title: “Preliminary results of reproduction of the solitary coral *Caryophyllia inornata* (Scleractinia, Caryophylliidae).”; supervisor: Dr Stefano Goffredo (BES); co-supervisor: Dr Valentina Airi (BES).
- 2010 – 2011 Chiara Marchini; Master of Science in Biodiversity and Evolution; Thesis title: “Reproduction of the solitary corals *Caryophyllia inornata* (Scleractinia, Caryophylliidae). Morphological aspects of gametogenesis and ontogenesis”; supervisor: Dr Stefano Goffredo (BES); co-supervisor: Dr Valentina Airi (BES).

## Academic committees

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- 2017 Member of the Examination Committee. Ecology, Bachelor of Science course in Biological Sciences, University of Bologna (UniBo), Italy.
- 2017 Member of the Examination Committee. Relationships between Biodiversity and Environment, Master of Science course in Biodiversity and Evolution, UniBo.
- 2017 Member of the Examination Committee. Conservation Biology Master of Science course in Biodiversity and Evolution, UniBo.

## Degree committees

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- 2016 Member of degree committee. Biological Sciences (Bachelor Degree), School di Sciences, University of Bologna.
- 2016 Member of degree committee. Natural Sciences (Bachelor Degree), University of Florence.
- 2011 Member of degree committee. Marine Biology (Master Degree), School di Sciences, University of Bologna (Ravenna campus).
- 2011 Member of degree committee. Biodiversity and Evolution (Master Degree), School di Sciences, University of Bologna.
- 2011 Member of degree committee. Biological Sciences (Bachelor Degree), School di Sciences, University of Bologna.

## Scientific seminars

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- March 2017 “Histological and cytological techniques for the quantitative analysis on corals gametogenesis”. Seminar performed during the academic course “Experimental Zoology” Master degree course on Biodiversity and Evolution, School of Science, Alma Mater Studiorum – Università di Bologna (Italy). Teacher: Prof. Rosanna Falconi.
- 18 March 2016 “Histological and cytological techniques for the quantitative analysis on corals gametogenesis”. Seminar performed during the academic course “Experimental Zoology” Master degree course on Biodiversity and Evolution, School of Science,

- Alma Mater Studiorum – Università di Bologna (Italy). Teacher: Prof. Rosanna Falconi.
- 30 May 2015 “Histological and cytological techniques for the quantitative analysis on corals gametogenesis”. Seminar performed during the academic course “Experimental Zoology” Master degree course on Biodiversity and Evolution, School of Science, Alma Mater Studiorum – Università di Bologna (Italy). Teacher: Prof. Rosanna Falconi.
- 13 May 2014 “Histological and cytological techniques for the quantitative analysis on corals gametogenesis”. Seminar performed during the academic course “Experimental Zoology” Master degree course on Biodiversity and Evolution, School of Science, Alma Mater Studiorum – Università di Bologna (Italy). Teacher: Prof. Bruno Sabelli.
- 6 May 2013 “Histological and cytological techniques for the quantitative analysis on corals gametogenesis”. Seminar performed during the academic course “Experimental Zoology” Master degree course on Biodiversity and Evolution, School of Science, Alma Mater Studiorum – Università di Bologna (Italy). Teacher: Prof. Bruno Sabelli.

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## Active participation in scientific meetings

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### ABSTRACTS

- Gizzi F, de Mas L, **Airi V**, Caroselli E, Prada F, Capaccioni B, Levy O, Falini G, Dubinsky Z, Goffredo S (2016) Short-term exposure at CO<sub>2</sub> vent affect spermatogenesis in a temperate non-zooxanthellate coral. 13th International Coral Reef Symposium, Honolulu, Hawai'i (USA), 19-24 June.
- Gizzi F, de Mas L, Marisaldi L, Lazzari V, **Airi V**, Caroselli E, Prada F, Falini G, Dubinsky Z, Goffredo S. (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. Association for the Sciences of Limnology and Oceanography, Aquatic Sciences Meeting, Granada (Spain), 22-27 February 2015.
- Airi V**, Gizzi F, Calegari M, Falini G, Levy O, Dubinsky Z, Goffredo S. (2013) Reproductive output in zooxanthellate and azooxanthellate scleractinian corals along a temperature latitudinal gradient. ICCB 2013 The international conference on coelenterate biology, Eilat (Israel) 1-5 December 2013.
- Gizzi F, **Airi V**, Polimeni G, Levy O, Falini G, Dubinsky Z, Goffredo S. 2013. Effects of ocean acidification on the reproductive output of three mediterranean corals along natural CO<sub>2</sub> emissions. ICCB 2013 The international conference on coelenterate biology, Eilat (Israele) December 1-5 2013.
- Marchini C, **Airi V**, Falini G, Levy O, Dubinsky Z, Goffredo S. 2013. Annual reproductive cycle in a Mediterranean solitary coral *Caryophyllia inornata* driven by an unusual pattern of embryogenesis. ICCB 2013: The international conference on coelenterate biology, Eilat (Israel), 1-5 December.
- Goffredo S, Marchini C, Rocchi M, **Airi V**, Caroselli E, Falini G, Levy O, Dubinsky Z, Zaccanti F (2011) Reproduction of the solitary coral *Caryophyllia inornata* (Scleractinia, Caryophyllidae) in the Mediterranean. LLXXII National meeting of Italian Zoological Union, Bologna (Italy), 5-8 September 2011 (Original language: Italian).
- Goffredo S, Radetic' J, **Airi V**, Zaccanti F (2004) Sexual reproduction of the solitary coral *Leptopsammia pruvoti* (Scleractinia, Dendrophylliidae) in the Mediterranean. Tenth International Coral Reef Symposium, Okinawa (Japan) 28 June -2 July 2004.

### IN EXTENSO CONGRESS PROCEEDINGS

- Gizzi F, **Airi V**, Caroselli E, Goffredo S. 2014. Modello di dinamica di popolazione del corallo solitario simbiotico *Balanophyllia europaea* (Scleractinia, Dendrophyllidae) a Calafuria. Congresso Codice Armonico, V° Congresso di Scienze Naturali, “Ambiente toscano”, Castiglioncello (Livorno) 27-28-29 Marzo 2014. ETS.
- Goffredo S, Marchini C, Rocchi M, **Airi V**, Caroselli E, Falini G, Levy O, Dubinsky Z, Zaccanti F (2012) Reproduction of the solitary coral *Caryophyllia inornata* (Scleractinia, Caryophyllidae). Congress “Codice Armonico”, III Regional Congress of Natural Sciences, “Tuscany Environment”, Castiglioncello (Livorno, Italy), 14-16 March 2012. ETS, p. 188-198 (Original language: Italian).

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## Workshops

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2013 –1<sup>st</sup> International Workshop: Impacts of Ocean Acidification and Climate Change on Corals and Coral Reefs (Eilat, Israel).

## Book chapters

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**Airi V**, Gizzi F, Marchini C, Goffredo S. 2016: Sexual reproduction of Mediterranean scleractinian corals. In: Goffredo S, Dubinsky Z. (eds) *The cnidaria, past, present and future. The world of Medusa and her sisters*. Springer, Dordrecht, pp 269-278.

## Papers in peer review / impact factor journals

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Poli D., Fabbri E., Goffredo S., **Airi V.**, Franzellitti S. 2017: Physiological plasticity related to zonation affects hsp70 expression in the reef-building coral *Pocillopora verrucosa*. *PLoS ONE*, 12: e0171456.

**Airi V.**, Prantoni S., Calegari M., Lisini Baldi V., Gizzi F., Marchini C., Levy O., Falini G., Dubinsky Z., Goffredo S. 2017: Reproductive output of a non-zooxanthellate temperate coral is unaffected by temperature along an extended latitudinal gradient. *PLoS ONE*, 12: e0171051.

Caroselli E, Ricci F, Brambilla V, Marchini C, Tortorelli G, **Airi V**, Mattioli G, Levy O, Falini G, Dubinsky Z, Goffredo S 2017: Growth, population dynamics and reproductive output model of the nonzooxanthellate temperate solitary coral *Caryophyllia inornata* (Scleractinia, Caryophylliidae). *Limnology & Oceanography*, 3: 1111-1121.

Marchini C, **Airi V**, Fontana R, Tortorelli G, Rocchi M, Falini G, Levy O, Dubinsky Z, Goffredo S. 2015: Annual reproductive cycle and unusual embryogenesis of a temperate coral in the Mediterranean Sea. *PLoS ONE*, 10: e0141162.

**Airi V**, Gizzi F, Falini G, Levy O, Dubinsky Z, Goffredo S. 2014. Reproductive efficiency of a Mediterranean endemic zooxanthellate coral decreases with increasing temperature along a wide latitudinal gradient. *PLoS ONE*, 9: e91792.

Goffredo S, Marchini C, Rocchi M, **Airi V**, Caroselli E, Falini G, Levy O, Dubinsky Z, Zaccanti F 2012: Unusual pattern of embryogenesis of *Caryophyllia inornata* (Scleractinia, Caryophylliidae) in the Mediterranean Sea. Maybe agamic reproduction? *Journal of Morphology*, 273:943-956

Goffredo S, Gasparini G, Marconi G, Putignano MT, Pazzini C, **Airi V**, Zaccanti F (2011) Sexual reproduction in the Mediterranean endemic orange coral, *Astroides calycularis* (Scleractinia, Dendrophylliidae). *Bulletin of Marine Science*, 87:589-604

Goffredo S, **Airi V**, Radetić J, Zaccanti F (2005): Sexual reproduction of the solitary sunset cup coral *Leptopsammia pruvoti* (Scleractinia, Dendrophylliidae) in the Mediterranean. 2. Quantitative aspects of the annual reproductive cycle. *Marine Biology*, 148:923-932.

Goffredo S, Radetić J, **Airi V**, Zaccanti F (2005): Sexual reproduction of the solitary sunset cup coral *Leptopsammia pruvoti* (Scleractinia, Dendrophylliidae) in the Mediterranean. 1. Morphological aspects of gametogenesis and ontogenesis. *Marine Biology*, 147(2):485-495.

## Preparation of European research projects

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Under the supervision of Prof. Stefano Goffredo, University of Bologna, has contributed to the preparation and submission of several European research projects:

- H2020-MSCA-ITN-2017 (Gennaio 2017): REEFRISK – Reef science to policy and society: assessing and translating risks of climate change on socioeconomic services provided by biogenic reefs (Numero proposta: 765519)
- Horizon 2020, European Research Council, Advanced Grant (ERC-2016-ADG; Settembre 2016): GenoPhen - From genotype to phenotype: tracing the roadmap (Numero proposta: 741895)
- H2020-FETOPEN-2016-2017 (Maggio 2016): gBioMin - Gravity effects on biomineralization: towards novel materials and technological applications (Numero proposta: 737065)
- H2020-MSCA-ITN-2016 (Gennaio 2016): REEFRISK - Reef science to policy and society: assessing and translating risks of climate change on socioeconomic services provided by biogenic reefs (Numero proposta: 721574)
- H2020-FETOPEN-2014-2015-RIA (Settembre 2015): gBioMin - Toward new materials by



hyper/hypo-g biomineralization (Numero proposta: 712856)

- Horizon 2020, Future and Emerging Technologies, Research Innovation Actions (H2020-FETOPEN-2014-2015-RIA; Marzo 2015): gBioMin - Toward new materials by hyper/hypo-g biomineralization (Numero proposta: 686705)
- Horizon 2020, Marie Skłodowska-Curie Innovative Training Networks, European Training Networks (H2020-MSCA-ITN-2015; Gennaio 2015): REEFRISK - Assessment of the risks associated with climate change effects on socioeconomic services provided by biogenic reefs (Numero proposta: 674924)

### - **Dissemination activities**

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- 18 Maggio 2017 – “IL CRATERE DI PANAREA: UN VIAGGIO NEL MARE DEL FUTURO” Show Conference – La Ricerca in scena, in collaboration to University of Bologna for the European Researcher’s Night, LabOratorio San Filippo Neri, Fondazione Dal Monte, Mismaonda.
  - 30 September 2016 – “Un Mare da Salvare”, European Researcher’s Night, CUBO – Centro Unipol BOlogna
- 1-2 June 2012 - “In piazza tra bolle e coralli”, Researchers Talk to the City, Giardini Margherita, Bologna.

## **Languages**

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Mother tongue	Italian
Other Languages	English: good reading, writing and speaking French: scholastic reading, writing and speaking

## **Social and organizational skills and competences**

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Ability to deal directly with the public and guidance counseling; ability in the drafting activities printing, essential for orientation events organized by the University, gained from the Service Information and Communication to the Public (URP) of the University of Bologna. Capability to team work, skills learned during the sampling diving activity, where it’s essential to have a perfect harmony and team coordination. Ability to coordinate small groups during practical laboratory skills, gained from Life Learning Center (Bologna).

## **Technical skills and competences**

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I have a good knowledge of Microsoft-based software (Word, Excel, PowerPoint, Outlook) and Internet. I have a discrete knowledge of bioinformatics software (RasMol), professional software for advanced statistics (PASW Statistics 17) and image editing like Photoshop and Illustrator. I have a great experience to use of software for data acquisition and image processing (Nikon NIS-Elements, LEICA Q500IW) and software photosynthetic efficiency content (Wincontro-3, Walz instruments, SpectraSuite).