Curriculum Vitae

Arianna Mancuso

Coral Ecology & Biology Lab
Marine Science Group
Dept of Biological, Geological and
Environmental Sciences
University of Bologna, Italy
Via F. Selmi 3, 40126 Bologna, Italy

Fano Marine Center
Viale Adriatico 1/N, 61032 Fano, PU, Italy

Nationality: Italian

Education and professional appointments

March 2024 - today Research grant at Fano Marine Center. University of Bologna, Italia. Research topic: “Variations in growth, skeletal properties and accumulation of PAHs in calcifying benthic organisms in relation to different environmental conditions”. Supervisor: Prof. Stefano Goffredo.

2021- today Adjunct professor. Elements of Ecology (SSD BIO/07) Module of Elements of Chemistry and Ecology, Single cycle degree programme (LMCU) in Primary teacher education, Department of Education Studies "Giovanni Maria Bertin", UNIBO. 24 hours of lectures (5 CFU) + 6 laboratory of 8 hours each.

March 2023 - 2024 Postdoctoral fellow at Fano Marine Center. University of Bologna, Italia. Research topic: “Growth, skeletal properties and bioaccumulation of PAHs in Mediterranean solitary corals living at CO_2 vents in Southern Italy”. Supervisor: Prof. Stefano Goffredo

March 2020 - 2022 Postdoctoral fellow at Fano Marine Center. University of Bologna, Italia. “Anthropogenic effects on the calcification of benthic invertebrates of the Mediterranean Sea: consequences of ocean acidification”.

2021 Teaching habilitation for Mathematic and Sciences, Class A028. The Italian Ministry for Education, Universities and Research (MIUR), Italy.

2015 – 2019 Phd in Earth, Life and Environment Sciences, "Growth, calcification and shell properties variations in the clam Chamelea gallina along a latitudinal gradient of environmental parameters".
Marine biology and fishery Lab – Fano, Alma Mater Studiorum - University of Bologna, Italy.

2014 - 2019 Research fellow, "Ecosystemic approach to demersal resources valuation", Medits Project funds. Marine biology and fishery Lab - Fano Alma Mater Studiorum - University of Bologna, Italy.

2013 Profession Biologist qualification certificate,
University of Pavia, Italy.

2009 - 2012 Master Degree in Biodiversity and Evolution, cum Laude Alma Mater Studiorum - University of Bologna, Italy.
Title: "Skeletal mechanical properties of Mediterranean corals along a solar radiationand SST gradient." Supervisor: Dr. Stefano Goffredo.

2006 - 2009 Degree in Biological Sciences,
University of Pavia, Italy.

2006 Diploma di Maturità Scientifica (Scientific secondary schools),
Liceo Niccol Copernico, Pavia, Italy.

Area of scientific interests

Climate change. Global warming. Ocean acidification.
Biometry, growth, calcification and shell properties of Mediterranean corals and bivalves and their relation with environmental parameters.
Monitoring and conservation of marine flora and fauna. Conservation of biological cycles of demersal species in the Adriatic Sea. Taxonomy of Mediterranean benthic invertebrates. Citizen Science. Monitoring program. Environmental education.

Research activities

2023-today **COLDSHELLS** - “Explore the remote cold water to find out how mollusk shells may face future climate change”. Project Award and Funding from National Geographic Society and Lindblad Expeditions.

2019 - today **ClamCHANGE** – “Combined effects of seawater acidification, elevated temperatures and salinity on the growth and calcification in the clam Chamelea gallina in face of climate change”. Assemble PLUS Transnational Access Program (European Union’s Horizon 2020 research and innovation). Grant Agreement No. 730984.

2019 - today **“Sea Sentinels -DUE, Divers united for the Environment”**

2018 - today **"The Panarea Underwater crater**: a natural laboratory for studying ocean acidificaton on mediterranean benthic organisms". Funded by National Geographic Early Career Grant.

2019 - 2023 **Circles** – "Controlling microbiomes circulations for better food systems". WP6 - Wild fishes and interactions between fish production, the marine microbiome and the natural environment; Task 6.3 Assessing the health and safety of the marine ecosystem. H2020-SFS-2018-2020 Topic: LC-SFS03-2018.

2018 – 2019 **CAMEL Project of Marche Region** – Evaluation of halieutic resources of mollusks in the Adriatic Sea to sustainable fisheries management.

2014 - 2019 **The MEDITS survey programme**, International bottom trawl survey in the Mediterranean Sea.

2012 - 2013 **Scuba Tourism for the Environment**: Red Sea Biodiversity Monitoring Program, (STE Project: www.steproject.org), Marine Science Group, Dept. of Biologic, Geologic and Environmental Sciences - University of Bologna, Italy.

2010 - 2012 **Corals and Global Warming**: the Mediterranean versus the Red Sea, (CoralWarm: www.coralwarm.eu), Marine Science Group, Dept. of Biologic, Geologic and Environmental Sciences - University of Bologna, Italy.

Abroad research activity

Sept - Oct 2020 One month at Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR) in Porto under the supervisiono of Dott. Francisco Arenas. "Combined effects of seawater acidification, elevated temperatures and salinity on the growth and calcification in the clam Chamelea gallina in face of climate change" (ClamCHANGE).

April - July 2017 Three months at Weizmann Institute of Science (Rehovot) under the supervision of Prof. Aldo Shemesh and of Dr. Ruth Yam. Oxygen and carbon stable isotope composition, age and growth rates of the clam Chamelea gallina (Bivalvia: Veneridae) in six sites along a latitudinal gradient in the Adriatic Sea.

Funding ID

2024 Project Award and Funding from National Geographic Society and Lindblad Expeditions to lead my research project as visiting scientist aboard Lindblad Expeditions-National Geographic cruise in the Falklands and South Georgia. Research project: "Exploring the remote cold water to find out how calcifying organisms may face future climate change" (amount: $20,000).

2024 Project Award and Funding from National Geographic Society and Lindblad Expeditions to lead my research project as visiting scientist aboard Lindblad Expeditions-National Geographic cruise in the Artic region from Norway to Svalbard. Research project: "Exploring the remote cold water to find out how calcifying organisms may face future climate change" (amount: $20,000).

2023 Project Award and Funding from National Geographic Society and Lindblad Expeditions to lead my research project as visiting scientist aboard Lindblad Expeditions-National Geographic cruise in South Patagonia and Antarctica. Research project: "Exploring the remote cold water to find out how calcifying organisms may face future climate change" (amount: $8,000).

2019 National Geographic Explorer Community Funding "Plastic aware day in Fano". Project funding number FR-15520, $1,000.

2019 Assemble PLUS Transnational Access Program (European Union's Horizon 2020 research and innovation). ClamCHANGE Project at CIIMAR, Interdisciplinary Centre of Marine and Environmental Research of the University of Porto, Portugal. Grant Agreement No. 730984

2018 Early Career Grant of the National Geographic Society for the project "SHELL WARM. The Panarea underwater crater: a natural laboratory for studying acidification and warming effects on Mediterranean benthic molluscs in face of global climate change" Principal investigator: Dr. Arianna Mancuso. Coordinators: Dr Arianna Mancuso and Prof. Stefano Goffredo. Grant Number EC-170R-18 (amount: $5,000).

2017 Abroad research fellowship: Marco Polo program for research abroad, Department Integrated Budget, University of Bologna, Ministry of Education, Universities and Research for the project "Oxygen and carbon stable isotope composition, age and growth rates of the clam Chamelea gallina (Bivalvia: Veneridae) along a latitudinal gradient". Supervisor: Prof. Stefano Goffredo and Prof. Aldo Shemesh, Co-supervisor: Dr. Ruth Yam. Department of Biological, Geological and Environmental Sciences, University of Bologna (amount: €4,050).

Articles in peer review/impact factor journals

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11. Iluz D., Prada F., Abu-Gosh S., **Mancuso A.,** Caroselli E., Tittarelli M., Goffredo S., Falini G., Pinchasov-Grinblat Y., Dubinsky Z. (2024). Ocean acidification detrimentally affects mineralization and photosynthetic efficiency of the brown alga Padina pavonica at a CO_2 vent. Bulletin of Marine Science.
10. Lee C., Caroselli E., Machado Toffolo M., **Mancuso A.**, Marchini C., Meschini M., Goffredo S. (2023). Eight years of community structure monitoring through recreational citizen science at the "SS Thistlegorm" wreck (Red Sea). Plos one, 18(3), e0282239.
9. Prada F., Franzellitti S., Caroselli E., Cohen I., Marini M., Campanelli A., Sana L., **Mancuso A.**, Marchini C., Puglisi A., Candela M., Mass T., Tassi F., LaJeunesse TC., Dubinsky Z., Falini G.,

Goffredo S. (2023). Acclimatization of a coral-dinoflagellate mutualism at a CO_2 vent. Communication Biology, 6:66. https://doi.org/10.1038/s42003-022-04327-3

8. **Mancuso A.,** Yam R., Prada F., Stagioni M., Goffredo S., Shemesh A. (2022). Oxygen and carbon isotope variations in Chamelea gallina shells: environmental influences and vital effects. Geobiology, 00, 1-14. https://doi.org/10.1111/gbi.12526
7. Palladino G., Caroselli E., Tavella T., D'Amico F., Prada F., **Mancuso A.,** Franzellitti S., Rampelli S., Candela M., Goffredo S., Biagi E. (2022). Metagenomic shifts in mucus, tissue and skeleton of the coral Balanophyllia europaea living along a natural CO2 gradient. ISME Communications, 2(1), 1-12.
6. Meschini, M., Machado Toffolo, M., Marchini, C., Caroselli, E., Prada, F., **Mancuso, A**., Franzellitti S., Locci L., Davoli M., Trittoni M., Nanetti E., Tittarelli M., Bentivogli R., Branchini S., Neri P., Goffredo, S. (2021). Reliability of Data Collected by Volunteers: A Nine-Year Citizen Science Study in the Red Sea. Frontiers in Ecology and Evolution, 9, 395.
5. Cheli, A., **Mancuso, A**., Azzarone, M., Fermani, S., Kaandorp, J. Marin, F., Montroni, D., Polishchuk, I., Prada, F., Stagioni, M., Valdré, G., Pokroy, B., Falini, G., Goffredo, S., Scarponi, D. (2021). Climate variation during the Holocene influenced the skeletal properties of Chamelea gallina shells in the North Adriatic Sea (Italy). PLOS ONE 16(3): e0247590. doi.org/10.1371/journal.pone.0247590
4. Palladino, G., Rampelli, S., Scicchitano, D., Musella, M., Quero, G.M., Prada, F., **Mancuso, A.,** Seyfarth, A.M., Turroni, S., Candela, M., Biagi, E. (2021) Impact of marine aquaculture on the microbiome associated with nearby holobionts: the case of Patella caerulea living in proximity of sea bream aquaculture cages. Microorganisms, 9:455. doi.org/10.3390/microorganisms9020455
3. **Mancuso A**, Stagioni M, Prada F, Scarponi D, Piccinetti C, Goffredo S (2019). Environmental influence on calcification of the bivalve Chamelea gallina along a latitudinal gradient in the Adriatic Sea. Scientific reports, 9(1), 11198.
2. Gizzi F, Caccia MG, Simoncini GA, **Mancuso A**, Reggi M, Fermani S, Brizi L, Fantazzini P, Stagioni M, Falini G, Piccinetti C, Goffredo S (2016). Shell properties of commercial clam Chamelea gallina are influenced by temperature and solar radiation along a wide latitudinal gradient. Scientific reports, 6.
1. Goffredo S, **Mancuso A**, Caroselli E, Prada F, Dubinsky Z, Falini G, Levy O, Fantazzini P, Pasquini L. (2015) Skeletal mechanical properties of Mediterranean corals along a wide latitudinal gradient. Coral Reefs 34: 121-132.

Academic-scientific seminars

Mancuso A., Bardone F.G., Gironi M., Dal Pozzo A.C., Marchini C., Falini G., Goffredo S. (2024) Influence of temperature, pH and salinity on the skeletal properties of the Adriatic clam Chamelea gallina. 7th European Congress of Conservation Biology. Bologna, (Italy), 17-21 June 2024 . Poster

Lee C., De Witt F., Machado Toffolo M., **Mancuso A.,** Caroselli E., Goffredo S. (2024) Land-sea protection affects Red Sea biological communities of coral reefs over eight years of monitoring. 7th European Congress of Conservation Biology, 17-21 June 2024.

Girolametti F., Illuminati S., Truzzi C., Ajdini B., Fanelli M., Massi L., Sani T., **Mancuso A.**, Goffredo S., Marini M., Annibaldi A. (2024) Elemental and fatty acid profiles in volcanic marine environments: the case study of Panarea Island (Italy). Giornate di Bioanalitica 2024 - One Health: nuove frontiere per la chimica bioanalitica, 15-16 aprile 2024 (Bologna, Italy).

Leuzzi D., Foresto L., Scicchitano D., Palladino G., **Mancuso A.,** Goffredo S., Rampelli S., Candela M. (2024). Dynamics of microbiome colonization on artificial support in a natural gradient of water pH at Panarea Island (Italy). Cambiamento della biodiversità nell'Antropocene: priorità per la ricerca. CNR Symposium; 10-11 Apr 2024, Fano Marine Center. Poster

Capuozzo R., Musmeci E., **Mancuso A.**, Pedone E.M., Fava F., Biagi E., Goffredo S., Zanaroli G. (2024) Exploring the microbial colonization and biodegradation of biopolyesters in the marine environment under different ocean acidification scenarios: a field study. Cambiamento della biodiversità nell'Antropocene: priorità per la ricerca. CNR Symposium; 10-11 Apr 2024, Fano Marine Center (Fano, Italy).

Cheli A., **Mancuso A.,** Falini G., Goffredo S., Scarponi D. (2023). Assessing Chamelea gallina biomineralization dynamics in the Holocene of the Northern Adriatic (Italy). EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023, EGU23-15742, https://doi.org/10.5194/egusphere-egu23-15742, 2023. Virtual Poster

Scarponi D., **Mancuso A.**, Goffredo S., Kowalewski M. (2023). Mollusk response under ocean acidification in shallow marine settings of Sicily (Central Mediterranean). In: Abstracts of the 2nd Conservation Paleobiology Symposium. Bulletin of the Florida Museum of Natural History 60(2):113. https://doi.org/10.58782/flmnh.tbsm5836

Marchini C., Machado Toffolo M., **Mancuso A**., Caroselli E., Goffredo S. (2022) Short- and long-term effects of an informal education program on tourist environmental perception. Patrimonio dell'Umanità. 50 anni dalla Convenzione UNESCO: riflessioni nei Campus dell'Alma Mater Studiorum, "Turismo sostenibile fra patrimonio locale e cittadinanza globale". L'Università di Bologna per l'Unesco (unibo.it). Rimini, 10 novembre 2022 (Oral).

Cheli A., **Mancuso A.**, Falini G., Goffredo S. & Scarponi D. (2022). Environmental influence on calcification of the bivalve Chamelea gallina on a millennial temporal scale, in the Northern

Adriatic Sea. Poster at Geosciences for a sustainable future, 19-21 September, Turin, Italy. Poster presented by Cheli Alessandro.

Mancuso A., Prada F., Marchini C., Di Fazio V., Ghiroldi C., Taviani M., Montagna P., Goffredo S. (2022). Skeletal properties of the coral Desmophyllum dianthus are related to the aragonite saturation state along a depth gradient in the Mediterranean Sea. 15th International Coral Reef Symposium. Bremen, July 3 – 8, 2022. Oral presentation

Cassarino C., **Mancuso A.**, Prada F., Caroselli E., & Goffredo S. (2022). Influence of environmental parameters on growth in the solitary non-zooxanthellate coral Caryophyllia inornata naturally living at volcanic vents. 15th International Coral Reef Symposium. Bremen, July 3 – 8, 2022 (Poster).
Lee C., Caroselli E., Machado Toffolo M., Meschini M., **Mancuso A.**, Marchini C., Pensa F., Branchini S., Goffredo S. (2022). Eight years of community structure monitoring through recreational citizen science at the "SS Thistlegorm" wreck (Red Sea). 15th International Coral Reef Symposium. Bremen, July 3 – 8, 2022 (Oral).

Cheli A., **Mancuso A.,** Prada F., Pasquini L., Falini G., Goffredo S., Scarponi D. (2021). Exploring shell variations dynamics of the bivalve CHAMELEA GALLINA on a millennial temporal scale: from the Holocene sub-fossil record to Modern thanatocoenosis of the Northern Adriatic Sea, Paleodays 2021, XXI Convegno della Società Paleontologica Italiana, live virtual edition (Oral).

Cheli, A., **Mancuso, A.,** Prada, F., Baseotto, A., Falini, G., Goffredo, S., and Scarponi, D. (2021). Climate change influence on calcification of the bivalve Chamelea gallina in the Adriatic Sea: exploring a temporal gradient from the Holocene to modern days, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-15750, https://doi.org/10.5194/egusphere-egu21-15750, 2021. Oral presentation presented by Cheli Alessandro.

Cheli A., **Mancuso A.,** Stagioni M., Scarponi D., Falini G., Goffredo S. (2020). Chamelea gallina response to anthropogenic and climate driven environmental change: the case study of the Holocene fossil records from Po-Adriatic system (Italy). Conservation Paleobiology Symposium, Bologna (Italy), 3-4 February. Oral presentation presented by Cheli Alessandro.

Scarponi D., Cheli A., **Mancuso A.,** Falini G**.,** Goffredo S., Nawrot R., Kowalewski M. (2019). Using regional stratigraphic context of the Po-Adriatic system (Italy) to infer biotic response of Chamelea gallina to Holocene environmental change. 11th North American Paleontological Convention, Riverside (USA), 23-27 June 2019. Oral presentation presented by Scarponi Daniele.

Scarponi D., Cheli A., Nawrot R., **Mancuso A**., Kowalewski M., Falini G., Dexter T., Cremonini S., Mucci M., Goffredo S., Stagioni M. (2019). Shell morphology and skeletal properties in edible clam Chamelea gallina during the Holocene: contrasting the fossil and modern records to forecast biotic responses to global change. EGU (European Geosciences Union) General Assembly, Vienna (Austria), 7–12 April 2019. Oral presentation presented by Scarponi Daniele.

Mancuso A, Gizzi F, Caccia MG, Simoncini G, Reggi M, Brizi L, Fantazzini P, Stagioni M, Falini G,

Piccinetti C, Goffredo S. (2016). Shell morphology and skeletal property variations in the clam Chamelea gallina along a latitudinal gradient in the Adriatic Sea. 1° National combined meeting UZI-SITE-SIB "Biodiversity: concepts, new tools and future challenges" Milan (Italy), 31 August - 2 September 2016. Oral presentation

Mancuso A., Gizzi F, Caccia MG, Simoncini G, Reggi M, Brizi L, Fantazzini P, Stagioni M, Falini G, Piccinetti C, Goffredo S. (2016). Shell morphology and skeletal property variations in the clam Chamelea gallina in the Adriatic Sea. BiGeA Day, Dept. of Biological, Geological and Environmental Sciences, University of Bologna. 22 December 2016. Oral presentation

Invited talks

3) Comunicatori si nasce o si diventa? Le testimonianze dei ricercatori Alma Mater "Interpretare il mare" a cura di Arianna Mancuso, Biologa marina dell'Università di Bologna e National Geographic Explorer. Progetto @UniboPER PhDstorytelling. Ufficio Public Engagement / Settore Comunicazione. ARTEC – Comunicazione
2) Environmental influence on the growth and shell properties of the Adriatic clam Chamelea gallina. NEPTUNE SEMINAR SERIES organized by CIIMAR | Interdisciplinary Centre of Marine and Environmental Research of the University of Porto, 28 Oct 2020
1) Opportunità e competenze del biologo ambientale: storie di una ricerca di successo; Dr. Arianna Mancuso, Università di Bologna e National Geographic Early Career Grant. Convegno di alta formazione professionale dell'Ordine nazionale dei biologi sulla contaminazione delle acque da microplastiche. Palermo, 18 May 2019.

Student supervision

2023-today	Era Hema, Student in Biological Sciences. Internship and thesis: "Environmental characterization of two CO2 vents in the Mediterranean Sea off the Panarea Island". Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso, Dr. Teresa Sani.
2023-today	Alice Murari, Student in Biological Sciences. Internship and thesis: "Biometry and skeletal properties of limpets and mussels of the Southern Ocean in relation to different environmental parameters". Supervisor: Prof. Stefano Goffredo; CoSupervisor: Dr Arianna Mancuso.
2023-today	Patricia Degano, Student in Primary Teacher Education. Thesis in progress. Supervisor: Prof. Arianna Mancuso

2022-today Teresa Sani, PhD student in Innovative Technologies and Sustainable Use of Mediterranean Sea Fishery and Biological Resources (FishMed-PhD), cycle XXXVIII. Research topic: “Effects of the runoff of the main rivers in the Adriatic Sea on the growth of Chamelea gallina in relation to the interannual variability of physical and biogeochemical parameters”. Supervisor: Prof. Mauro Marini; Co-Supervisor: Prof. Stefano Goffredo, Dr. Arianna Mancuso.

2023-2024 Ilaria Farris, Student in Primary Teacher Education. Thesis: “ The wolf, the bat, and the jellyfish. Stories of animals that tell themselves”. Supervisor: Prof. Arianna Mancuso; Co-Supervisor: Prof. Federico Plazzi.

2022-2023 Anna Chiara Dal Pozzo, Student in Biological Sciences. Internship and thesis: “Combined effects of seawater acidification, elevated temperatures and salinity on shell chemical composition and microstructure of the clam Chamelea gallina”. Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso.

2022-2023 Sara Biavati, Student in Primary Teacher Education. Thesis: “Ocean education in primary school: investigation into children's conceptions of the sea and development of a teaching proposal to promote the inclusion of blue themes in school curricula”. Supervisor: Prof. Arianna Mancuso; Co-Supervisor: Prof. Giacomo Mancini.

2022-2023 Silvia Dall’Ara, Student in Biological Sciences. Internship and thesis: “Environmental characterization of two CO2 vents in the Mediterranean Sea off the Panarea Island”. Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso, Dr. Teresa Sani.

2021-2023 Matilde Gironi, Student in Biological Sciences. Internship and thesis: “Combined effects of seawater acidification, elevated temperatures and salinity on the growth and calcification in the clam Chamelea gallina in face of climate change”. Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso.

2022-2023 Chiara Cassarino, Master Student in Biodiversity and Evolution. Internship and thesis: “Influence of low aragonite saturation state on growth and population dynamics in the solitary non-zooxanthellate coral Caryophyllia inornata naturally living at volcanic vents”. Supervisor: Prof. Erik Caroselli; Co-Supervisor: Dr Arianna Mancuso, Prof. Stefano Goffredo.

2021-2023 Francesca Giovanna Bardone, Master Student in Biodiversity and Evolution. Internship and thesis: “Combined effects of seawater acidification, elevated temperatures and salinity on the growth and calcification in the clam Chamelea gallina in face of climate change”. Supervisor: Prof. Stefano Goffredo; CoSupervisor: Dr Arianna Mancuso.

2021-2023 Francesca Giattino, Master Student in Biodiversity and Evolution. Internship and thesis: “Skeletal composition and mineralogy of the azooxanthellate coral Caryophyllia inornata grown in a submerged cave“. Supervisor: Prof. Giuseppe Falini; Co-Supervisor: Prof. Stefano Goffredo, Dr Arianna Mancuso.

2020-2023 Alessandro Cheli, PhD student in Innovative Technologies and Sustainable Use of Mediterranean Sea Fishery and Biological Resources (FishMed-PhD), Cycle XXXV. Research topic: “Relationship between phenotype and environment in marine calcifying organisms: exploring growth and shell properties of different mollusks species in past and modern scenario”. Supervisor: Prof. Jaap Kaandorp; CoSupervisor: Prof. Giuseppe Falini, Prof. Stefano Goffredo, Dr. Arianna Mancuso.

2020-2022 Niccol Pasini, Student in Biological Sciences. Internship and thesis: “Biometry and skeletal properties of the Mediterranean coral Caryophyllia inornata along a pH gradient”. Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso.

2019-2022 Erica Genoni, Student in Natural Sciences. Internship and thesis: “Effects of ocean acidification on the composition of marine benthic mollusks communities”. Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso.

2020-2021 Oscar Wallnoefer, Student in Biological Sciences. Internship and thesis: “Population dynamics of the Mediterranean coral Caryophyllia inornata along a pH gradient”. Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso.

2017-2019 Alessandro Cheli , Master of Science in Science and management of nature. Thesis: “Shell morphology and skeletal properties in the edible clam Chamelea gallina during the Holocene: contrasting the fossil and modern records to forecast biotic responses to global change”. Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso.

Disseminating activities

6 October 2022 “Rules for safeguarding the sea: Is something changing? An update on the "SaveSea" law five months after its approval”. Barcolana Sea Summit: verso gli Stati Generali della sostenibilità dell’Alto Adriatico e dell’Europa Centrale. Panel organizzato dalla Direzione Rai Per la Sostenibilità - ESG. TCC - Trieste Convention Center, Auditorium Generali.

11 Nov 2021 “Understanding the Sea”, National Geographic Science Festival. Cinema Anteo CityLife, Milano

25 Sept 2020 “Meraviglie Blu”, Esploratori e scoperte. University of Bologna and National Geographic Society.

1 Sept 2020 “Gli abitanti degli scogli” - Alla scoperta degli organismi marini che popolano le scogliere del nostro mare. Casa Archilei Environmental Education Centre, Fano, Pesaro Urbino, Italy.

12 April 2019 “Which future for the sea? Planet or plastic?”, National Geographic Science Festival. Auditorium Parco della musica, Roma.

18 Mars 2019 “Esploratori si diventa”, le nuove frontiere della ricerca e dell’esplorazione. University of Bologna and National Geographic Society.

11 Febr 2019 Explorer Spotlight. National Geographic Explorers Festival London, Lyric Hammersmith, London, UK.

29 Sept 2017 “L’uomo e il mare”, European Researcher’s Night, Salaborsa (Bologna).

Specialization courses and stages

2020 24 CFU learning course on pedagogy, inclusive didactics, psychology, anthropology and didactic methodologies and technologies. University eCampus.

2019 High professional training workshop of the National Order of Biologists about the microplastics seawater contamination. Palermo, Italy. 2019 National Geographic ScienceTelling Bootcamp, London, Great Britain 2014 WWF naturalistic guide, Bosco WWF Vanzago, Milan, Italy.

2014 Monographic course of reef fish with Massimo Boyer.
ISM - Institute for Sea Study, Milan Civic Aquarium, Italy.

2011 Scientific Diving Laboratory: diving techniques for biological survey.
Alma Mater Studiorum, University of Bologna, Italy.

2009 PIC Erasmus: Biodiverisité Marine, option Zoologie et Ecologie Marine,
Station Biologique de Roscoff, P. and M. Curie University, Paris VI, France.

Work experiences

2021-today Tutoring in scientific matters, Fano, Pesaro Urbino, Italy.

2021 “Alla scoperta dei mostri marini della Liguria con Niccol Balini, Dario Vergassola e Arianna Mancuso”, video production National
Geographic/Disney+ for the cartoon release “Luca”.

2021 “Alla ricerca dei capodogli con Michele Bravi e Arianna Mancuso”, video production National Geographic/Disney+ for the documentary film release “The secret of whale”.

2020 Testimonial for the “We Are All Explorers” collection, a National Geographic and Oviesse collaboration.

2019 Promotional video for boat excursions with marine biologists in collaboration with Kel12/National Geographic Expeditions and Sea Sentinels Project. Marine Protected Areas in the Liguria region, Italy

2014 Didactic and recreational activity at Milan Civic Aquarium,
Verdeacqua Onlus, Milan, Italy.
Scientific divulgation, guided tours, didactical labs and summer camps.

2014	WWF Summer camps, 7-14 years old's children, Levanto and Parco Nazionale delle Cinque Terre. Snorkeling, beach activity, naturalistic tours and scientific labs.
2012 - 2013	Marine biologist and dive master: dive and snorkeling guide. Viaggio nel Blu Diving Center, Sharm el Sheikh, Egypt.
2008	Acquario Le Navi di Cattolica, Rimini, Italy. Approach and focus on the main techniques for conservation in closedloop systems of marine aquatic organisms.
2006 - 2014	Tutoring in scientific matters, Lacchiarella, Milan, Italy.

Qualification and licenses

2013	Divemaster, PADI
2012	Enriched Air Diver: Nitrox, PADI
2005	Drive license B

Languages

Italian	Mother tongue
English	Intermediate
French	Good

Computer skills

European Computer Driving Licence.
Macintosh and Windows software (Office package) and web navigation (Explorer, Safari, FireFox).
Image editing (Adobe Photoshop, Lightroom, Illustrator) and L**A**TEX.
Video editing (iMovie and Final Cut Pro). Statistical
software (RStudio and SPSS).

Relational abilities

Excellent ability in teamwork and inclination to leadership; I easily express my opinion and I have a tendency to take the initiative.

I’m curious, passionate and go-ahead without integretional problems in new group and situations. Great adaptation and adventurous spirit.

Ai sensi del D. Lgs. 196/2003, la sottoscritta consente il trattamento dei propri dati personali nella misura necessaria al perseguimento degli scopi istituzionali e all’adempimento di obblighi previsti dalla Legge.

Fano, 26 January 2022