

# Curriculum Vitae

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## Francesca Giovanna Bardone

Coral Ecology & Biology Lab  
Marine Science Group  
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Sciences  
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Italy

Nationality: Italiana



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## Education

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| 2023 – today | PhD in Innovative technologies and sustainable use of Mediterranean Sea fishery and biological resources (FishMedPhD), 38th cycle - Department of Biological, Geological and Environmental Sciences (BiGeA)   |
| 2020 – 2023  | Master Degree in Biodiversity and Evolution, 110/110 <i>Cum laude</i> .<br>Alma Mater Studiorum - University of Bologna, Italy.<br>Title of the thesis: "Influence of temperature, pH and salinity on the biometry and skeletal properties of the Adriatic clam <i>Chamelea gallina</i> ".<br>Supervisor: Professor Stefano Goffredo. Co-supervisor: Dr. Arianna Mancuso. Department of Biological, Geological and Environmental Sciences (BiGeA) |
| 2022         | Percorso Formativo Docenti (D.M. 616) 24 CFU  |
| 2017 - 2020  | Degree in Biological Sciences, 110/110 <i>Cum Laude</i> .<br>University of Pavia, Italy.<br>Title of the thesis: "Factors influencing the expansion of the wolf ( <i>Canis lupus</i> ) in lowland environments".  |

Supervisor: Professor Alberto Meriggi. Co-supervisor: Dr. Elisa Torretta.  
Zoology Laboratory, Department of Earth and Environmental Sciences.

2017 High school leaving qualification in classical studies, "Taramelli – Foscolo"  
High School in Pavia, Italy.

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## Area of scientific interests

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Impacts of climate changes on marine ecosystems and in particular on marine calcifying  
Organisms, such as corals and mollusks.

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## Professional experience

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### Lab work

2021 – today Study of the effects of warming, acidification and reduced salinity of  
seawater on the Adriatic clam *Chamelea gallina* through the analysis of  
biometrical properties measured by the caliper, skeletal properties  
obtained with the buoyant weight technique, mechanical properties  
investigated with the compression test and chemical properties  
measured through TGA, FTIR e XRD.

Analysis of trace elements in the skeletal structures of three species of  
*Balanophyllia* sampled from three different sites (*B. europaea* – Ligurian  
sea; *B. regia* – Granada coast; *B. elegans* – California coast) and of  
*Balanophyllia europaea* sampled along a pH gradient in Panarea. ESEM,  
AFM, IDS to detect the trace elements within the aragonite fibers.

Analysis of biometrical and skeletal properties of fossil corals (Porites).

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## Courses e stage

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2023 – ongoing	GIScience for Climate Justice
2023	Health and Safety training. Modul 3 – Specific training, medium risk
2020	Health and Safety training. Modul 2 – Specific training, low risk
2017	Health and Safety training. Modul 1 – General training

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## Languages

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Italiano      Mother tongue  
Inglese      B2 level (CLA - UniBo)

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## Computer skills

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European Computer Driving Licence.  
Windows softwares.  
Statistical software (R).

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## Licences

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2016	Drive license B
2022	Open Water Diver, PADI
2022	Enriched Air Diver, PADI
2022	Advanced Open Water, PADI
2022	Laboratory of Scientific Diving, UniBo
2023	Rescue Diver, PADI

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.

Bologna, 9 Gennaio 2024

Francesca Giovanna Bardone