

GIANCARLO BACHI

Marine Biologist

STRENGTHS

Teamwork Adaptability
writing-skills Technical skills
Presentation skills
Problem solving

LANGUAGES

Italian: **Native**

English: **Advanced / C1**

French: **medium / B1**

REFERENCES

Dr. Chiara Santinelli, first researcher at the Institute of Biophysics - CNR, Pisa (Italy)

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ABOUT ME

I am a Marine biologist specialized in oceanography and ecology of the oceans. During my PhD I was able to experience marine science at 360 degrees thanks to the numerous field activities and oceanographic cruises. I am always ready for new challenges and I like to put myself up to new possibilities. Seeking to leverage my expertise to land a position as researcher.

EXPERIENCE

Collaboration contract | **Institute of Biophysics - CNR**


 2018 - now

 Pisa, Italy

- Study of Dissolved Organic Matter (DOM) dynamics and its impact in the ecology of the oceans and in the marine carbon cycle.

Internship | **Institute of Biophysics - CNR**

 2017 - 2018

 Pisa, Italy

- Training internship for the study of the Dissolved Organic Matter dynamics in the Mediterranean Sea.

Internship | **Institute of Biochemistry, University of Pisa**


 2012 - 2013

 Pisa, Italy

- Training internship for the study and the evaluation of the metallothionein in benthic organisms.

Oceanographic cruises


Mission Microbiome (leg 12) |  **Schooner "Tara", Fondation Tara Océan - France**

 05 march - 21 April 2022

 Atlantic Ocean

- as part of the European AtlantECO programme, with the aim of studying the benefits of the ocean microbiome and its interactions with the climate and pollution.


PERLE4 |  **R/V "Atalante", Ifremer - France**

 27 march - 29 April 2021

 Mediterranean Sea

- Within the frame of the PERLE (Pelagic Ecosystem Response in the Levantine Experiment) project, that aimed to describe the dispersion of levantine intermediate water (LIW), and its role in the structuring of planktonic ecosystems.

PERLE2 |  **R/V "Pourquoi Pas?", Ifremer - France**


 21 february - 21 march 2019

 Mediterranean Sea

- Within the frame of the PERLE (Pelagic Ecosystem Response in the Levantine Experiment) project, that aimed to describe the dispersion of levantine intermediate water (LIW), and its role in the structuring of planktonic ecosystems.

MSM72 | R/V "Maria S. Merian", Geomar - Germany

 02 march - 03 april 2018

 Mediterranean Sea

- The main goal of the cruise was to contribute to the understanding of long-term changes and trends in physical and biogeochemical parameters in the Mediterranean Sea.


Cisas2 | R/V "Minerva 1", CNR - Italy

 07 december - 12 december 2017

 Mediterranean Sea

- Within the frame of the project CISAS (International Center of advanced study in environment, ecosystem and human health).

Cisas1 | R/V "Minerva 1", CNR - Italy

 18 october - 23 october 2017

 Mediterranean Sea

- Within the frame of the project CISAS (International Center of advanced study in environment, ecosystem and human health).

EDUCATION

PhD, marine biology | University of Pisa

 2018 - 2021

 Pisa, Italy

- Project in collaboration with the Institute of Biophysics (CNR-Pisa, Italy) and the Woods Hole Oceanographic Institution (WHOI) entitled: Interactions between Dissolved Organic Matter (DOM) and microorganisms, implications for the marine carbon cycle.


Master's degree, marine biology | University of Pisa

 2014 - 2018

 Pisa, Italy

- Experimental thesis in collaboration with the Institute of Biophysics (CNR-Pisa, Italy) entitled: Dissolved Organic Matter Dynamics in the Adriatic Sea.

Bachelor's degree, Environmental science | University of Pisa

 2009 - 2013

 Pisa, Italy

- Experimental thesis entitled: *Phorcus turbinatus*: Metallothionein content evaluation.

Computer skills

- Proficient in the use of MATLAB for multi-way data analysis (notably for the PARAFAC analysis).
- Proficient in the use of Ocean Data View to analyse and visualize oceanographic data.
- Fluent in the use of SigmaPlot and Origin Pro for data analysis and elaboration.
- Proficient in Microsoft Office.

SCIENTIFIC ACTIVITY

Publications |  | 

- Retelletti Brogi S., Cossarini G., **Bachi G.**, et al. Evidence of Covid-19 lockdown effects on riverine dissolved organic matter dynamics provides a proof-of-concept for needed regulations of anthropogenic emissions. *Science of The Total Environment*, Volume 812, 2022, 152412, ISSN 0048-9697. doi.org/10.1016/j.scitotenv.2021.152412.
- Hainbucher D., Alvarez M., Astray B. U., **Bachi G.**, et al. Physical and biogeochemical parameters of the Mediterranean Sea during a cruise with RV *Maria S. Merian* in March 2018. *Earth System Science Data*. **12**: 2747–2763. doi: 10.5194/essd-12-2747-2020.
- La Gattuta L., [...], **Bachi G.**, et al. Title: Technical report on sampling activities of "Cisas 2 oceanographic cruise" Crotona 07-12 december 2017. Published on Solar, code: 8825TR201.
- La Gattuta L., [...], **Bachi G.**, et al. Title: Technical report on sampling activities of "Cisas 1 oceanographic cruise" Augusta-Priolo 19-23 october 2017. Published on Solar, code: 8749TR2017.

International congress participations | |

- **Bachi G.**, et al. Biological lability of Dissolved Organic Matter released by phytoplankton, EGU General Assembly 2020, Online, 4–8 May 2020, EGU2020-669. doi.org/10.5194/egusphere-egu2020-669, 2020.
- Retelletti Brogi S., Furia M., **Bachi G.**, et al. DOM Dynamics in the Mediterranean Sea: Can a new fluorescence SENSOR contribute to its understanding?, EGU General Assembly 2020, Online, 4–8 May 2020, EGU2020-18207. doi.org/10.5194/egusphere-egu2020-18207, 2020.
- **Bachi G.**, et al. Dissolved Organic Matter dynamics in the Adriatic Sea. 42nd CIESM Congress. 7-11 October 2019, Cascais, Portugal.

Scientific communication | |

 2017 – now

- Popular science in association with the Italian National Research Council (Institute of Biophysics, Pisa) in the framework of the European Researchers Night.

Le informazioni contenute nel presente curriculum vitae et studiorum sono rese sotto la personale responsabilità del sottoscritto ai sensi degli artt. 46 e 47 del DPR 28.12.2000, n. 445, consapevole della responsabilità penale prevista all'art. 76 del medesimo DPR 28.12.2000, n. 445, per le ipotesi di falsità in atti e dichiarazioni mendaci.

