

Curriculum Vitae

Teresa Sani

Coral Ecology & Biology Lab
Marine Science Group
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Nationality: Italian

Education

- November 2022 - today PhD in Innovative technologies and sustainable use of Mediterranean Sea fishery and biological resources (FishMed-PhD, 38th cycle, funded by National Research Council – CNR)
Dept of Biological, Geological and Environmental Sciences – BiGeA, University of Bologna, Italy
Fano Marine Center - FMC
- 2019 - 2022 Master Degree in Biodiversity and Evolution (Degree Programme Class LM-6 - Biology)
110/110 cum laude
Alma Mater Studiorum - University of Bologna, Italy.
Thesis carried out in the laboratory of the Marine Science Group, of Dept of Biological, Geological and Environmental Sciences (BiGeA, University of Bologna, Italy) with title: *Ocean warming and acidification detrimentally affect coral tissue regeneration and mortality at a Mediterranean CO₂ vent.*

- August 2021 Course in anthropo-psycho-pedagogical disciplines and in teaching methodologies and technologies – 24 CFU
- 2015 - 2019 First cycle degree in Natural Sciences (degree programme class L-32 - Environmental sciences)
104/110
Alma Mater Studiorum - University of Bologna, Italy.
Thesis carried out in the laboratory of the Marine Science Group, of Dept of Biological, Geological and Environmental Sciences (BiGeA, University of Bologna, Italy) with title: *Ocean warming and acidification synergistically affect coral tissue regeneration and mortality of a Mediterranean scleractinian coral transplanted along a natural CO₂ gradient.*
- 2015 Diploma di Maturità Scientifica (Scientific secondary schools), Liceo Scientifico Statale Enrico Fermi, Bologna, Italia

Area of scientific interests

Effects of seawater warming and acidification on the ecology and biology of calcifying marine organisms such as corals and molluscs. Effects of increasing seawater acidity on the bioaccumulation of contaminants by Mediterranean corals and effect of the interannual variability of the fluvial runoff and different environmental conditions on the growth and bioaccumulation of contaminant in an economically relevant Adriatic clam.

Professional experience

- 2020 - 2022 Collaboration with COOPIT studio eventi, Bologna, Italy;
Hostess (reception, hall assistant, cloakroom attendant).
- 2015 - 2022 Tutoring in scientific matters, Bologna, Italy

Field work:

- 16-21 December 2023 Participation in in the winter scientific field mission at Panarea Island (Aeolian Archipelago, Sicily) for the collection of coral samples and environmental data.

- 13-21 July 2023 Participation in in the scientific field mission at Panarea Island (Aeolian Archipelago, Sicily) for the collection of coral samples and environmental data.
- 18 April 2023 Participation in “rete LTER-Italia” and “Lter-Europe” Campagna Oceanografica ANOC23 projects aboard the research vessel aboard the survey vessel G. Dallaporta;
Collection of seawater samples using Niskin sampling bottles, filtration of seawater for chemical analysis, support for the acquisition of hydrological data along the water column using a CTD (Conductivity Temperature Depth) multiparameter probe, assistance for processing the data collected with the CTD through the ODV (Ocean Data View) software to make an exploratory analysis of the data.

Lab work:

- November 2022 - today Tissues separation in the Mediterranean coral *B. europaea*, extraction and analysis in HPLC (High Performance Liquid Chromatography) Preparation of the shells of the clam *C. gallina*, extraction and analysis in HPLC (High Performance Liquid Chromatography) looking for PAHs (Polycyclic Aromatic Hydrocarbons); Titrations of seawater samples with Metrohm's Titrand 888 titrator and use of the *tiamo* software.

Articles in peer review/impact factor journals

2. **Sani, T.**, Marini, M., Campanelli, A., Machado Toffolo, M., Goffredo, S., Grilli, F. (2024). Evolution of Freshwater Runoff in the Western Adriatic Sea over the Last Century. *Environments*, 11, 22. doi.org/10.3390/environments11010022
1. **Sani, T.**, Prada, F., Radi, G., Caroselli, E., Falini, G., Dubinsky, Z., Goffredo, S. (2024). Ocean warming and acidification detrimentally affect coral tissue regeneration at a Mediterranean CO₂ vent. *Science of the Total Environment*, 906, 167789. doi.org/10.1016/j.scitotenv.2023.167789

Student supervision

- 2022 - today Silvia Dall'Ara; Student in Biological Sciences. Supervisor: Prof. Stefano Goffredo; Co-Supervisor: Dr Arianna Mancuso, Teresa Sani.

Disseminating activities

15 October 2023	“Giornate FAI d’Autunno”, Fano Marine Center, Fano (PU)
13 October 2023	“European Dive Show” (EUDI Show), Bologna
2 June 2023	BrodettoFest - Il mare al centro! Un tuffo nel blu con i ricercatori del Fano Marine Center”, Fano (PU)
27 May 2023	BiGeA Day 2023. “L’eredità di Ulisse Aldrovandi: le scienze naturali a Bologna e nel mondo”, Dept. of Biologic, Geologic and Environmental Sciences - University of Bologna
29 September 2017	“L’uomo e il mare”, European Researcher’s Night, Salaborsa, Bologna.

Specialization courses and stages

14 April 2023	Practical course of ESEM-EDS microscopy. Dept of Biological, Geological and Environmental Sciences (BiGeA, University of Bologna, Italy)
2023	Health and Safety training. Module 2 – Safety and health training update.
2017	Safety and Health training. Module 1 - General training of workers on safety and health.

Languages

Italian	Mother tongue
English	B2

Computer skills

Macintosh and Windows software (Office package) and web navigation (Explorer, Safari, FireFox).

Image editing (ImageJ, Adobe Photoshop, Lightroom, Illustrator).

Video editing (iMovie).

Statistical software (RStudio and SPSS).

Qualification and licenses

2023	Drive licence B
2021	Scientific Diving Lab Diver
2011	Open Water Diver, ESA

Relational abilities

Excellent organizational and team work management abilities.

I am a proactive, enterprising, outgoing, and creative person. I integrate easily into new groups and adapt quickly to change.

Furthermore, for several years, I have been carrying out volunteering experiences that have led me to be an empathic and active person. From 2017 to today, I have been attending the Centro di Accoglienza Rostom (Via Pallavicini 12, Bologna) with a group of friends for a project of food assistance and relational support for people in conditions of serious social exclusion. In July 2018 I had a volunteer experience in Albania, as an animator of a summer camp for children in poverty in Bathore (suburbs of Tirana). In August 2019 I carried out a volunteer experience in Africa at the village of Mapanda (Iringa, Tanzania) with the Missionary Center of the Diocese of Bologna.

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, 22 January 2023

Teresa Sani