



GIORGIA ZOFFOLI

03/03/1997

Marine Biologist



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0009-0002-5771-2204

Technical Skills

- Extensive experience in laboratory techniques for the isolation, cultivation, maintenance, and monitoring of microalgal cultures.
- Experienced in the use of inverted light microscopy for the identification of phytoplankton species.
- Hands-on expertise in molecular analysis methods for the identification and quantification of phytoplankton species, including PCR, real-time quantitative PCR and digital PCR.
- Skilled in chemical analysis techniques for the detection of specific compounds, particularly through HPLC-FLD and LC-MS/MS instrumentation.
- Proficient in statistical analysis softwares for the elaboration of biotic and abiotic data (R, Past, Primer), as well as in GIS tools for spatial data processing and mapping (QGIS).
- Competent in the Microsoft Office Suite.

Languages

Mother tongue: **Italian**

Other languages:

- **English** B2 (Independent User)
- **Spanish** B2 (Independent User)
- **German** A2 (Basic User)

Additional Skills

Strong communication, organisational, and problem-solving skills, developed through team-based projects and research activities. Proven ability to work independently and collaboratively in interdisciplinary environments, with a proactive attitude and solid time-management capabilities.

Education

Master's Degree in Marine Biology

Alma Mater Studiorum - University of Bologna, School of Science (2019-2022)

Final grade: 110/110 cum laude

Thesis: Biosynthesis of polyhydroxyalkanoates by Chlorophyta

Bachelor's Degree in Environmental Sciences

Alma Mater Studiorum - University of Bologna, School of Science (2016-2019)

Final grade: 107/110

Thesis: Yessotoxins along the Emilia-Romagna region coast: monitoring and characterisation of toxic phytoplankton

High School Diploma - Language Studies

Liceo Linguistico I. Alpi, Cesena (2011-2016)

Final grade: 100/100

Languages studied: English, Spanish, German

Scientific and Technical Experience

Ph.D. in Earth, Life and Environmental Sciences (STVA)

Alma Mater Studiorum - University of Bologna (BiGeA Department), in collaboration with the Italian National Reference Laboratory for Marine Biotoxins (FCRM) (since November 2022)

- Definition and application of innovative tools for the monitoring of toxic phytoplankton in bivalve shellfish production areas

Research Fellowship in Entomological Survey (*Aedes albopictus* monitoring)

Regional Environmental Protection Agency of Emilia-Romagna (ARPAE) (June 2022 - October 2022)

- Identification and counting of *Aedes albopictus* eggs using ovitraps and stereomicroscopy
- Acceptance and reporting of samples

Internship - Algal Biology and Environmental Chemistry Laboratories

Ravenna Technopole - Environment and Sustainability (March 2021 - February 2022)

- Microalgal cultivation and biomass collection for biochemical characterisation
- Identification and extraction of polyhydroxyalkanoates (PHAs)

Internship - Chemistry and Biotoxicology Laboratories

Italian National Reference Laboratory for Marine Biotoxins (FCRM) (February 2019)

- Chemical analyses for biotoxin detection in shellfish samples from the Emilia-Romagna region coast
- Contribution to official monitoring and research activities