

Francesco Dattilo



WORK EXPERIENCE

- 01/12/2025 – present **Postdoc research fellow**
Euro-Mediterranean Center for Climate Change (CMCC)
- 05/11/2022 – 31/10/2025 **PhD research fellow**
National Center of Oceanography and applied Geophysics (OGS), Trieste, Italy.
- Investigated plankton biodiversity in the Mediterranean Sea using numerical modelling and theoretical ecology;
 - Implemented a 3D biogeochemical model at high biodiversity resolution, coupling MITgcm with the DARWIN ecosystem model;
- Supervisors: C. Solidoro, P. Lazzari
Research line: Ocean biogeochemistry, plankton biodiversity, community ecology
- 18/04/2022 - 31/07/2022 **Intern researcher**
Environmental Geosciences Institute (IGE), Grenoble, France.
Supervisors: F. Gillet-Chaulet, N. Champollion, S. Cook
Research line: Glacier dynamics, climate change
- April 2019- July 2019 **Intern researcher**
ALTEC Space s.p.a, Turin, Italy
Supervisors: M. E. Bertaina, D. Borla Tridon, I. Salvoni
Research line: Satellite orbit modelling

EDUCATION

- 12/04/2022 **Master degree in Physics of Complex Systems**
Grade: 110/110 L
University of Turin
Supervisors: G. Boffetta, J. Von Hardenberg, L. Ridolfi
- 22/04/2019 **Bachelor degree in Physics**
Grade: 101/110
University of Turin
Supervisor: M. E. Bertaina
- February-June 2020 **ERASMUS+ for study**
Universidad de Zaragoza

PUBLICATIONS

On-going publications:

2025 **Dattilo, F.**, Di Biagio, V., Reale, M., Lazzari, P., Solidoro, C.
Plankton biodiversity in the Mediterranean sea: a Trait-based model

2025 Occhipinti, G., **Dattilo, F.**, Álvarez, E., Solidoro, C., Lazzari, P. Scales of plankton stability: temporal, spatial and trophic

CONFERENCES

Conference oral presentation: F. Dattilo, V. Di Biagio, M. Reale, P. Lazzari, C. Solidoro; Plankton biodiversity in the Mediterranean Sea: a trait-based model. MedCordex workshop, online.

Conference Poster presentation: F. Dattilo, V. Di Biagio, M. Reale and C. Solidoro; Plankton biodiversity in the Mediterranean Sea: a trait-based model. DSABNS 2025 conference. Naples, Italy

Conference oral presentation: F. Dattilo, and C. Solidoro; Plankton biodiversity in the Mediterranean Sea: a trait-based model. National Biodiversity Future Center - NBFC PhD Day. Padova, Italy

Conference Poster presentation: F. Dattilo, and C. Solidoro; Functional diversity shapes plankton trophic webs in a changing sea.

The 4th International Conference on Community Ecology (ComEc 2023). Trieste, Italy

POST-LAUREAM COURSES

Big Data Analytics: Marine Data as a Case Study, PhD course at Computer Science Department of the University of Pisa, April 2023, Pisa, Italy

Synergy Summer school provided by AtlantEco, Mission Atlantic and BioOcean5d, June 2024, Naples, Italy

Ocean Unveiled summer school, provided by ISMAR, July 2024, Venice, Italy

TEACHING ACTIVITIES

Tutor of Mathematics at University of Trieste, DEAMS department. 2023

Tutor of "Informatic techniques for physics" (python programming) at University of Turin, Physics Department. 2021

SCIENCE COMMUNICATION

Winner of FameLab-Italia and finalist participant at the international Famelab;

Coeditor of the **science communication podcast** "FRODE! Storie di bugie scientifiche" (candidate at the Italian debutants podcasts)

Co-organizer of the event "Poetry STEM" at the **science communication festival of Genova 2025**

Guest speaker at the workshop on digital animation "Communicating Biodiversity" promoted by the National Biodiversity Future Center - NBFC

COMPUTING SKILLS

PYTHON, JULIA, FORTRAN, BASH

LANGUAGE SKILLS

ENGLISH C1, SPANISH A2, FRENCH A1