

CURRICULUM VITAE

PERSONAL INFORMATION

Name **CRISTINA MISIC**
Address **UNIVERSITA' DEGLI STUDI DI GENOVA**
DIPARTIMENTO DI SCIENZE DELLA TERRA, DELL'AMBIENTE E DELLA VITA – C.SO
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WORK EXPERIENCE

- Dates (from - to) December 2015 - today
 - Name and address of the employer Università degli Studi di Genova – Dipartimento di Scienza della Terra, dell'Ambiente e della Vita C.so Europa 26 16132 Genova (Italy)
 - Type of business or sector **Associate professor – Ecology (BIO/07)**
 - Occupation or position held Teaching and research
 - Main activities and responsibilities
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- Dates (from - to) September 2000 – December 2015
 - Name and address of the employer Università degli Studi di Genova – Dipartimento per lo Studio del Territorio e delle sue Risorse C.so Europa 26 16132 Genova (Italy)
 - Type of business or sector **Researcher – Ecology (BIO/07)**
 - Occupation or position held Teaching and research
 - Main activities and responsibilities

EDUCATION AND TRAINING

- Dates (from - to) 1996-1998
 - Name and type of organisation providing education and training Università degli Studi di Genova – CoNISMa
 - Principal subjects/occupational skills covered Study of the dynamics and composition of suspended matter in the Adriatic Sea
 - Title of qualification awarded **Post Doc** (grant by Consorzio Interuniversitario per le Scienze del Mare)
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- Dates (from - to) 1992 – 1996
 - Name and type of organisation providing education and training Università degli Studi di Genova
 - Principal subjects/occupational skills covered Study of the organic matter degradation and recycling in marine systems: focus on hydrolytic enzymatic activities and organic detritus in water column and sediment
 - Title of qualification awarded **Doctorate in Environmental Sciences (Marine Science)**
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- Dates (from - to) November 1987 – July 1991
 - Name and type of organisation providing education and training Università degli Studi di Genova
 - Principal subjects/occupational skills covered Experimental degree thesis aimed at studying the organic matter fluxes in the marine environment of the Southern Ocean
 - Title of qualification awarded **Graduate in Biology**

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
OTHER LANGUAGES

ITALIAN
ENGLISH

SCIENTIFIC SKILLS
AND COMPETENCES

- Research interests: biogeochemical cycles, pelagic-benthic coupling, trophodynamic, organic matter degradation, plastic pollution.
- Author of several publication on Scientific Journals (89 Scholar – 54 Scopus)
- Lecturer of academic courses or modules since 1994 (i.e. Ecology, Applied Ecology, Antarctic Ecology, Biological Oceanography).
- Communication at national and international congresses
- Supervisor of university theses (three-year, specialist and master's)
- Reviewer for several scientific journals (Marine Pollution Bulletin, Microbial Ecology, Estuarine, Coastal and Shelf Science, MDPI, Marine Environmental Research, ecc.)

RELEVANT ROLES AND
COMPETENCES

- Participant and responsible of Research Unit in national and international programmes such as:
 - Progetto di Ricerca di Interesse Nazionale (PRIN). Tyrrhenian Seamounts ecosystems: an Integrated Study (TySEc)
 - National Programme of Research in Antarctica (PNRA) "RoME – Ross Sea Mesoscale Experiment" PNRA 2013/AN2.04
 - National Project MIUR "Sviluppo di tecnologie e software per una Rete Integrata previsionale Mediterranea per la gestione dell'Ambiente marino e costiero – RIMA"
 - Project Life+ "Arion - System for Coastal Dolphin Conservation in the Ligurian Sea".
 - Progetto EU "SCHeMA - Integrated in situ chemical mapping probes, project n° 614002 FP7-OCEAN-2013.
 - National Programme of Research in Antarctica (PNRA) " Plankton biodiversity and functioning of the Ross Sea ecosystems in a changing Southern Ocean" PNRA16_00239
 - Valutazione dello stato di sfruttamento e creazione di una forma aggregativa per i pescatori del Pesce Azzurro - Attività prevista dal FLAG LEVANTE LIGURE (Gruppo di Azione Locale nel Settore della pesca). Fondo Europeo per gli Affari Marittimi e la pesca (FEAMP 2014-2020) Priorità 4 FLAG Levante Ligure. Codice Progetto 03/FL/2016/LI - Misura 1.B.2C.U.P. I95B18000370009 – C.I.G. 75985097FC
 - SPlash&CO (Prolongation of the EU Interreg Italy-France Maritime
 - Convenzione di ricerca tra DISTAV e Autorità di Sistema Portuale del Mar Ligure occidentale – Porto di Genova per ricerca e monitoraggio dei lavori relativi al dragaggio del Porto di Genova e della nuova Diga foranea.
 - PNRR – National Biodiversity Future Centre - Spoke 2, Activity 2 Restore biodiversity and ecosystems.
- Coordinator of the programme “Science and technology for sustainability” for the “Scuola Superiore Iaua” of the University of Genova

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 54
- TOTAL NUMBER OF CITATIONS: 1188
- H-INDEX: 20

10 MOST RELEVANT
PUBLICATIONS
In the last years.

1. Misic, C., Bolinesi, F., Castellano, M., Olivari, E., Povero, P., Fusco, G., ... & Mangoni, O. (2024). Factors driving the bioavailability of particulate organic matter in the Ross Sea (Antarctica) during summer. *Hydrobiologia*, 851(11), 2657-2679.
2. Núñez, P., Misic, C., Cutroneo, L., Capello, M., Medina, R., & Besio, G. (2023). Biofilm-induced effect on the buoyancy of plastic debris: An experimental study. *Marine Pollution Bulletin*, 193, 115239.
3. Cordone, A., Selci, M., Barosa, B., Bastianoni, A., Bastoni, D., Bolinesi, F., ... & Giovannelli, D. (2023). Surface bacterioplankton community structure crossing the Antarctic circumpolar current fronts. *Microorganisms*, 11(3), 702.
4. Misic, C., Capone, A., Petrillo, M. Meteorological and climatic variability influences anthropogenic microparticle content in the stomach of the European anchovy *Engraulis encrasicolus*. *Hydrobiologia*, 2022, 849, 589-602.
5. Misic, C., Biti, A., Covazzi Harriague, A. Organic matter production and recycling in marine biofilm developing on common and new plastics. *Marine Environmental Research*, 2022, 180: 105729.
6. Capone, A., Petrillo, M., Misic, C. Ingestion and elimination of anthropogenic fibres and microplastic fragments by the European anchovy (*Engraulis encrasicolus*) of the NW Mediterranean Sea. *Marine Biology*, 2020, 167(11), 166
7. Zaccone, R., Misic, C., Azzaro, F., ...Rappazzo, A.C., Ferla, R.L. Regulation of microbial activity rates by organic matter in the ross sea during the austral summer 2017. *Microorganisms*, 2020, 8(9), pp. 1–25, 1273
8. Misic, C., Covazzi Harriague, A., Ferrari, M. Hydrodynamic forcing and sand permeability influence the distribution of anthropogenic microparticles in beach sediment. *Estuarine, Coastal and Shelf Science*, 2019, 230, 106429
9. Misic, C., Covazzi Harriague, A. Development of marine biofilm on plastic: ecological features in different seasons, temperatures, and light regimes *Hydrobiologia*, 2019
10. Misic, C., Covazzi Harriague, A., Mangoni, O., Aulicino, G., Castagno, P., Cotroneo, Y. Effects of physical constraints on the lability of POM during summer in the Ross Sea. *Journal of Marine Systems*, 2017, 166, pp. 132–143