




PERSONAL INFORMATION

Tamara Cibic

-  Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - OGS
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WORK EXPERIENCE

October 2018-today

Researcher – Marine ecology

OGS - Section of Oceanography

Ecosystem functioning in coastal contaminated areas, biodiversity, pelagic and benthic primary production, sediment ecology, biomonitoring, sites of national interest

- Project manager and scientific responsible for the Monitoring of marine-coastal waters and marine biocoenoses in the sea part of the Site of National Interest of Trieste (2021-2025)
- Project manager and scientific responsible for the Convention stipulated with HHPLA-PLT Italy: Specialistic support activities related to the Ecological Status of the marine water component for the EIA (former area of the cast factory of Servola and marine areas within Molo VIII) (2021-2022)
- Project manager and scientific responsible for the Convention stipulated with WhaleWashing Marine Technologies: Characterisation and toxicity assessment of a new environmental matrix (2021-2022)
- Scientific responsible for OGS of the Interreg Italia-Slovenia project DuraSoft - Innovative technologies to improve the durability of traditional wood structures in socio-ecologically sensitive environments (2020-2022)
- Scientific responsible for OGS biological activities of the Interreg Italia-Croatia project Ecomap - Ecosustainable management of marine and tourist ports (2019-2022)
- Scientific responsible for OGS - Theme 3 (Produzione primaria, comunità microbica, bentonica, planctonica e nectonica lagunare) of the project "Venezia 2021 Programma di ricerca scientifica per una laguna regolata" (2018-2022)
- Project manager and scientific responsible for the Convention stipulated with the Port Authority of Trieste: Bioaccumulation on fish species, molluscs and benthic organisms for the assessment of the health risk of the offshore area of the site of national interest of Trieste (2020)
- Scientific responsible for the Convention stipulated with the Port Authority of Trieste for the monitoring of Pier VI in the Port of Trieste (2019)
- Member of the Scientific Committee of DuraSoft and ECOMAP Projects.

November 2010 – September 2018

Fixed-term researcher – Marine Ecology

OGS - Section of Oceanography

Ecosystem functioning in coastal contaminated areas, biodiversity, pelagic and benthic primary production, respiration in soft sediments, sediment ecology, sites of national interest

- Coordinator of the multidisciplinary research group Marine Ecology and Biodiversity (MAB) of the Oceanography Section at OGS.
- Responsible for the laboratory of radioactive isotopes at OGS.
- Scientific responsible for the research unit "Biodiversity and functioning of benthic ecosystems of the Po delta and prodelta" within the project Ritmare - La Ricerca Italiana sul Mare (2016-2017)
- Scientific responsible for the research unit "Functioning of coastal ecosystems in polluted areas" within the project Ritmare - La Ricerca Italiana sul Mare (2012-2016)
- Member of the scientific committee for the restoration and remediation of the Mar Piccolo of Taranto
- Scientific responsible for several sampling campaigns (Gulf of Trieste, northern Adriatic, Ionian Sea)

Involved in the following projects:

- MedSeA" (Mediterranean Sea Acidification in a changing climate) (FP7)
- "ECO2" (Sub-seabed CO2 Storage: Impact on Marine Ecosystems) (FP7)
- "RISCS" (Research into Health and Safety Impacts in CO2 Storage) (FP7)
- Cross-border Cooperation Programme Italy-Slovenia "TRECORALA" (TREzze e CORalligeno dell'ALto Adriatico: valorizzazione e gestione sostenibile nel Golfo di Trieste), (2007-2013)
- "BALMAS" (Ballast water management for Adriatic Sea protection), Adriatic IPA Cross-border Cooperation 2007-2013

March 2006 – September 2010

Post-doc in Marine Ecology

OGS -Section of Oceanography

Research interests: *microphytobenthos, primary production, ecosystem functioning, sediment ecology, anthropogenic pressure.*

June 2002 - February 2003

Research Scientist (coordinated and continuous collaboration contract)

University Ca' Foscari in Venice, Department of Environmental Science

Research interests: *grain-size, mineralogy, and chemistry of harbour sediments, quality control on analysis of organic pollutants, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons in sediments*

EDUCATION AND TRAINING

2003 - 2006

PhD in biomonitoring

University of Trieste, Italy

Doctoral thesis: "Microphytobenthos in sublittoral sediments"

December 2000

Degree in Environmental Science

University Ca' Foscari in Venice

WORK ACTIVITIES

Tutoring activities	Supervisor at OGS of 6 post-doctoral researchers, 4 scholarship holders. Co-Supervisor of 4 doctoral theses. Co-advisor of students (bachelor and master degree) at the University of Trieste.
Editorial activity	Co-Guest Editor of the Special Issue "Benthic Microbial Communities in Coastal Areas" for MDPI Microorganisms (to be concluded in November 2023). Co-Guest Editor of the Special Topic "New perspectives in benthic-pelagic coupling in marine and transitional waters" consisting of 10 papers published in Frontiers in Marine Science (2022). Co-Guest Editor of the Special Issue "New insights in global processes and man-induced pressures on deltaic ecosystems. The case study of the Po River Delta, Italy" consisting of 20 papers published in Estuarine Coastal and Shelf Science (2019-2020). Co-Guest Editor of the Special Issue "Integrated environmental characterization of the contaminated marine coastal area of Taranto, Ionian Sea (southern Italy) - the RITMARE Project" consisting of 23 papers published in Environmental Science and Pollution Research (2016).
Grants	- Winner of a 3-month Marie Curie "Planktosite" scholarship of the EU at Norwegian University of Science and Technology, Trondheim (2005) - Winner of a PhD scholarship in Biomonitoring (2003-2005)
Awards	<i>Special Mention within the TOYP (The Outstanding Young Person) award – International Junior Chamber, Trieste, in the Field of Research, 2012</i>
Other skills	Organization of two Special sessions at international congresses. Communication at more than 30 national and international congresses. Managerial skills gained as research group coordinator (19 people: 1 senior researcher, 1 permanent researchers, 5 fixed-term technologist and researchers, 6 post-docs, 2 technicians, 3 scholarship holders, 1 PhD student).

ADDITIONAL INFORMATION

Publications 80+ papers (Scholar)
1000+ citations (Scholar)
H index = 21 (Scholar)

Publications (last 5 years)

- Natali V, Malfatti F, **Cibic T** (2023) Ecological effect of differently treated wooden materials on microalgal biofilm formation in the Grado Lagoon (northern Adriatic Sea). *Microorganisms* 11: 2196
- Baldassarre L, Natali V, De Pascale F, Vezzi A, Banchi E, Bazzaro M, Relitti F, Tagliapietra D, **Cibic T** (2023) The Impact of MOSE (Experimental Electromechanical Module) Flood Barriers on Microphytobenthic Community of the Venice Lagoon. *Microorganisms* 11: 936.
- Nasi F, Vesal SE, Relitti F, Bazzaro M, Teixidó N, Auriemma R, **Cibic T** (2023) Taxonomic and functional macrofaunal diversity along a gradient of sewage contamination: A three- year study. *Environmental Pollution* 323: 121022
- Franzo A, Caffau M, Nasi F, Marrocchino E, Paletta MG, Bazzaro M, **Cibic T** (2023) Benthic foraminifera for the ecological status assessment of tourist marinas. *Ecological Indicators* 147: 110006
- Cibic T**, Orlando-Bonaca M, Rubino F (2022) Editorial: New perspectives in benthic-pelagic coupling in marine and transitional coastal areas. *Frontiers in Marine Science* 9: 1009078
- Cibic T**, Baldassarre L, Cerino F, Comici C, Fomasaro D, Kralj K, Giani M (2022) Benthic and pelagic contributions to primary production: experimental insights from the Gulf of Trieste (northern Adriatic Sea). *Frontiers in Marine Science* 9: 877935
- Dammak Walha L, Hamza A, Abdmouleh Keskes F, **Cibic T**, Mechi A, Mahfoudi M, Sammari C (2021) Heavy metals accumulation in environmental matrices and their influence on potentially harmful dinoflagellates development in the Gulf of Gabes (Tunisia). *Estuarine, Coastal and Shelf Science* 254: 107317
- Nasi F, Auriemma R, Relitti F, Bazzaro M, Cassin D, **Cibic T** (2020) Structural and functional response of coastal macrofaunal community to terrigenous input from the Po River (northern Adriatic Sea). *Est Coast Shelf Sci* 235: 106548
- Nasi F, Ferrante L, Alvisi F, Bonsdorff E, Auriemma R, **Cibic T** (2020) Macrofaunal bioturbation attributes in relation to riverine influence: What can we learn from the Po River lagoonal system (Adriatic Sea)? *Est Coast Shelf Sci* 232: 106405
- Fazi S, Baldassarre L, Cassin D, Quero GM, Pizzetti I, **Cibic T**, Luna GM, Zonta R, Del Negro P (2020) Prokaryotic community composition and distribution in coastal sediments following a Po River flood event (northern Adriatic Sea, Italy). *Est Coast Shelf Sci* 233: 106547
- Zoppini A, Bongiorni L, Ademollo N, Patrolecco L, **Cibic T**, Franzo A, Melita M, Bazzaro M, Amalfitano S (2020) Bacterial diversity and microbial functional responses to organic matter composition and persistent organic pollutants in deltaic lagoon sediments. *Est Coast Shelf Sci* 233: 106508
- Cibic T**, Fazi S, Nasi F, Pin L, Alvisi F, Berto D, Viganò L, Zoppini A, Del Negro P (2019) Natural and anthropogenic disturbances shape benthic phototrophic and heterotrophic microbial communities in the Po River delta system. *Estuarine Coastal and Shelf Science* 222: 168-182
- Borfecchia F, Micheli C, **Cibic T**, Pignatelli V, De Cecco L, Consalvi N, Caroppo C, Rubino F, Di Poi E, Kralj M, Del Negro P (2019) Multispectral data by the new generation of high-resolution satellite sensors for mapping phytoplankton blooms in the Mar Piccolo of Taranto (Ionian Sea, southern Italy). *European Journal of Remote Sensing* 52: 400-418
- Alvisi F, **Cibic T**, Fazi S, Bongiorni L, Relitti F, Del Negro P (2019) Role of depositional dynamics and riverine input in shaping the microbial benthic community structure of the Po prodelta system (NW Adriatic, Italy). *Estuarine Coastal and Shelf Science* 227: 106305
- Cibic T**, Cerino F, Karuza A, Fomasaro D, Comici C, Cabrini M (2018) Structural and functional response of phytoplankton to reduced river inputs and anomalous physical-chemical conditions in the Gulf of Trieste (northern Adriatic Sea). *Science of The Total Environment* 636, 838-853
- Cibic T**, Comici C, Falconi C, Fomasaro D, Karuza A, Lipizer M (2018) Phytoplankton community and physical-chemical data measured in the Gulf of Trieste (northern Adriatic Sea) over the period March 2006-February 2007. *Data in Brief* 19: 586-593
- Franzo A, Asioli A, Roscioli C, Patrolecco L, Bazzaro M, Del Negro P, **Cibic T** (2019) Influence of natural and anthropogenic disturbances on foraminifera and free-living nematodes in four lagoons of the Po delta system. *Estuarine Coastal and Shelf Science* 220: 99-110
- Rogelja M, **Cibic T**, Rubino F, Belmonte M, Del Negro P (2018) Active and resting microbenthos in differently contaminated marine coastal areas: insights from the Gulf of Trieste (northern Adriatic, Mediterranean Sea). *Hydrobiologia* 806 (1): 283-301
- Nasi F, Nordström MC, Bonsdorff E, Auriemma R, **Cibic T**, Del Negro P (2018) Functional biodiversity of marine soft-sediment polychaetes from two Mediterranean coastal areas in relation to environmental stress. *Marine Environmental Research* 137, 121-132

Molari M, Guilini K, Lott C, Weber M, de Beer D, Meyer S, Ramette A, Wegener G, Wenzhöfer F, Martin D, **Cibic T**, De Vittor C, Vanreusel A, Boetius A (2018) CO₂ leakage alters biogeochemical and ecological functions of submarine sands. *Science advances* 4 (2): eao2040
Franzo A, Guilini K, **Cibic T**, Del Negro P (2018) Structure and function of nematode assemblages in contaminated sediments: what can we learn from the Mar Piccolo of Taranto (Ionian Sea)? *Journal of the Marine Biological Association of the United Kingdom* 98(8): 1845-1857
Franzo A, Guilini K, **Cibic T**, Del Negro P (2018) Interactions between free-living nematodes and benthic diatoms: insights from the Gulf of Trieste (northern Adriatic Sea). *Mediterranean Marine Science* 19 (3): 538-554

S. Croce, 12 September 2023

