



# Teresa Romeo



## ABOUT ME

Main scientometric indexes as of 30 April 2023

H index (37 Scholar google)

Number of citations: 5040

Web of Science Researcher ID: AAA-1711-2020

ORCID: <https://orcid.org/0000-0001-8515-1964>

## WORK EXPERIENCE

[ 16/04/2023 – Current ]

### Research Director

*Stazione Zoologica Anton Dohrn*

**City:** Milazzo (ME)

**Country:** Italy

Research Director at SZN

Sicily Seat, Milazzo, via dei Mille 46, 98057 Milazzo (ME).

Research activities in:

- Biology
- Ecology and Biodiversity
- Effects of anthropogenic and natural impacts on biodiversity through a multidisciplinary approach

[ 01/07/2022 – Current ]

### Head of Sicily Seat (Milazzo, Messina and Palermo)

*Stazione Zoologica Anton Dohrn*

[ 01/09/2018 – 15/04/2023 ]

### Senior Researcher II Level V Class

*Stazione Zoologica Anton Dohrn*

**City:** Milazzo (ME)

**Country:** Italy

Research activities in:

- Management of living resources
- Biology
- Ecology and Biodiversity
- Effects of anthropogenic and natural impacts on biodiversity through a multidisciplinary approach

[ 01/01/2008 – 31/08/2018 ]

### Senior Researcher II Level

*ICRAM/ISPRA Istituto Superiore per la Protezione e la Ricerca Ambientale*

**City:** Milazzo (ME)

**Country:** Italy

Head of Section "Monitoring of anthropogenic pressures on marine resources" AREA  
BIO\_CIT Dipartimento EMI  
(from 01/01/2016 to 31/08/2018)

Head of the Laboratory of Ichthyology and Marine Ecology, Milazzo (ME)  
(from 09/07/2015 to 31/12/2016)

Representative of the Laboratory of Ichthyology and Marine Ecology, Milazzo (ME)  
(from 03/12/2013 to 08/07/2015)

[ 01/01/2005 – 31/12/2007 ]

### **Research Fellow - BIOPLAT Project**

#### ***Istituto Centrale per la Ricerca Applicata al Mare (ICRAM)***

**City:** Rome

**Country:** Italy

Position: Head of Fisheries Department with the application of monitoring techniques for the assessment of biodiversity in Dif-shore platforms.

Activities carried out:

- Coordination of fishing seasons
- Sampling protocols
- Sampling design
- Technical reports
- Samples analysis (fish species processing, tissue procurement, stomach content analysis, participation in the activities of visual census in Pescara and Crotona platforms)

Accomplishments: scientific publications, technical reports, participation in conferences

[ 01/07/2004 – 31/12/2004 ]

### **Research Fellow - EOLIDE Project**

#### ***Istituto Centrale per la Ricerca Applicata al Mare (ICRAM)***

**City:** Rome

**Country:** Italy

Position: Head of Fisheries and Ecotoxicology Department

Project Title: ecosystem approach to sustainable fisheries management and protection of endangered marine species in the Aeolis area EOLIDE.

Activities carried out:

- Coordination of fishing seasons
- Sampling protocols and design for fisheries data collection
- Technical reports
- Samples analysis and handling
- Analysis of persistent organic compounds (POPs) at the Laboratory of University of Siena
- Sample preparation for ecotoxicological and spectrometer analysis

Accomplishments: scientific publications, technical reports

[ 01/01/2004 – 30/03/2004 ]

### **Research Contract**

#### ***Programma Nazionale di Ricerca in Antartide ENEA***

**City:** Rome

**Country:** Italy

Antarctic Campaign 2003/2004 National Research Program in Antarctica ENEA - Project "Victoria Land Antarctica, coastal biome: marine-terrestrial biocomplexity across a high latitudinal environmental gradient"

Oceanographic Campaign in the Ross Sea - XIX Antarctic Expedition

Position: Manager of fish species sampling and samples analysis at the University of Siena

Accomplishments: scientific publications

[ 06/05/2003 – 22/05/2003 ]

### **Occasional collaboration free of charge**

***Istituto Centrale Per la Ricerca Scientifica e Tecnologica Applicata al Mare - ICRAM***

**City:** Rome

**Country:** Italy

Activities: Cetacean census of the Aeolian Islands as part of the project for the Implementation of the National Cetacean Conservation Plan

Accomplishments: scientific publications

[ 20/11/2002 – 25/02/2003 ]

### **Occasional collaboration performance**

***Istituto Centrale per la Ricerca Applicata al Mare - ICRAM***

**City:** Rome

**Country:** Italy

Activities: Biological sampling and collection of data on catches between Capo Vaticano and the Aeolian Islands as part of EOLIDE project; on board observer on professional fishing boats.

Accomplishments: creation of databases, scientific publications

[ 01/01/2002 – 30/03/2002 ]

### **Research Contract**

***Programma Nazionale di Ricerca in Antartide PNRA***

**City:** Rome

**Country:** Italy

Antarctic Campaign 2001/2002 National Research Program in Antarctica (PNRA) in the research sector "1 - Biology and Medicine" - U.S. Antarctic Marine Living Resources Program (AMLR)

Oceanographic Campaign in the Elephant Islands and Shetlands - M/N Polar Stern - XV Antarctic Expedition

Position: Manager of fish species sampling and samples analysis, preparation of samples for the analysis of persistent organic compounds, HPLC-mass

Accomplishments: scientific publications and reports

[ 27/05/2002 – 15/08/2002 ]

### **Occasional collaboration performance**

***Istituto Centrale per la Ricerca Applicata al Mare - ICRAM***

**City:** Rome

**Country:** Italy

Activities: Biological sampling and collection of data on catches between Capo Vaticano and the Aeolian Islands as part of EOLIDE project; on board observer on professional fishing boats.

Accomplishments: creation of databases, scientific publications

[ 05/07/2001 – 30/09/2001 ]

### **Occasional collaboration free of charge**

***Istituto Centrale Per la Ricerca Scientifica e Tecnologica Applicata al Mare - ICRAM***

**City:** Rome

**Country:** Italy

Sampling and samples treatment of Large Pelagic Fish (LPF) - Project "Development and application of effects and exposures biomarkers for estrogenic compounds in the Mediterranean marine environment. Daily onboarding.

[ 20/04/2000 – 15/07/2000 ]

#### **Occasional collaboration**

***Istituto Centrale Per la Ricerca Scientifica e Tecnologica Applicata al Mare - ICRAM***

**City:** Rome

**Country:** Italy

Sampling and samples treatment of Large Pelagic Fish (LPF) - Project "Development and application of effects and exposures biomarkers for estrogenic compounds in the Mediterranean marine environment. Daily onboarding from the 20th of April to the 15th of July for samples collection and treatment (blood, liver, gonads, branchiae, bile) of swordfish, bluefin tuna and marlins on professional fishing boats for swordfish spearfishing to be used for ecotoxicological analyses

[ 25/10/1999 – 19/01/2000 ]

#### **Occasional collaboration**

***Istituto Centrale Per la Ricerca Scientifica e Tecnologica Applicata al Mare - ICRAM***

**City:** Rome

**Country:** Italy

Sampling and samples treatment of Large Pelagic Fish (LPF) - Project "Development and application of effects and exposures biomarkers for estrogenic compounds in the Mediterranean marine environment. Daily onboarding from the 25th of April, 1999 to the 19h of July, 2000 for samples collection and treatment (blood, muscle, liver, gonads, branchiae, bile) of bluefin tuna on sportfishing boats operating in the Strait of Messina and along the Ionian coast of Calabria, to be used for ecotoxicological analyses

[ 01/07/1999 – 25/07/1999 ]

#### **Occasional collaboration**

***Istituto Centrale Per la Ricerca Scientifica e Tecnologica Applicata al Mare - ICRAM***

**City:** Rome

**Country:** Italy

Sampling and samples treatment of Large Pelagic Fish (LPF) - Project "Development and application of effects and exposures biomarkers for estrogenic compounds in the Mediterranean marine environment. Daily onboarding from the 1st to the 25th of July 1999 on professional harpoon fishing boats and flying tuna nets for the removal of tissue and organs from swordfish, bluefin tuna and marlins.

[ 01/01/2000 – 31/12/2001 ]

#### **Coordinated and continuous collaboration free of charge**

***Consorzio Nazionale Interuniversitario per le Scienze del Mare (CoNISMa)***

**City:** Rome

**Country:** Italy

Sampling, analysis and return of data as part of the Research Program "INTERREGG II Italia-Grecia" (Prot. n. ULR\_LE/17/IG/174/2000)

[ 01/01/1998 – 30/09/1998 ]

#### **Occasional assignment**

***Società Italiana di Biologia Marina e CONSIMA***

Participation in the Research Campaign "CEE-MEDITS", onboard sample treatment and data analysis.

Writing of descriptive cards of fish species, editing of bibliographic records as part of the European project "Synthese des connaissances sur les ressources de fon en Medietrranee Centrale (Italie et Corse)"

## EDUCATION AND TRAINING

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[ 30/03/2018 ]

### National Scientific Qualification

*Associate Professor in Ecology, 05/c1 Area, (IV session, 30/03/2018, Application no. 62201*

[ 15/01/2004 ]

### PhD in Polar Sciences

*University of Siena*

**Address:** Siena, Italy

**Thesis:** Ecology and levels of contamination in fish species sampled in two different antarctic areas: Ross Sea and Elephant and Shetlands Islands

[ 04/06/1999 ]

### Registration in the National Order of Biologists

*National Order of Biologists - Registration no. 048987 of the 4th June 1999*

[ 1998 ]

### Qualification to the National Order of Biologists

*National Order of Biologists - I session 1998*

[ 15/11/1996 – 30/06/1999 ]

### Internship

*CNR- IAMC MESSINA - Istituto Sperimentale Talassografico di Messina*

**Address:** Messina, Italy

- Laboratory fishing activities
- Taxonomic analysis of fish species
- Biological and histological analysis
- Research surveys at sea (GRUND and MEDITS projects)
- Use of dedicated software (FISAT)
- Data input and elaboration
- Technical reports

[ 11/11/1996 ]

### Degree in Biology

*University of Messina*

**Address:** Messina, Italy

**Field(s) of study:** Marine and Ecological Biology

**Final grade:** 110/110 cum laude

**Thesis:** Determination of the age of young *Coryphanena hippurus* L. 1758 through the interpretation of different bone structures

## LANGUAGE SKILLS

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**Mother tongue(s):** Italian

**Other language(s):**

**English**

LISTENING B1 READING B1 WRITING B2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1



## DIGITAL SKILLS

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Information processing | Content creation | Problem solving | Security | Microsoft Office | Organizational and planning skills | Microsoft Word | Good listener and communicator | Excel/Access/Power Point/Access | Global Mapper | ArcGIS | Surfer | Stasoft

## DRIVING LICENCE

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**Motorbikes:** A  
**Cars:** B

## MANAGEMENT AND LEADERSHIP SKILLS

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### Management and leadership skills

**Management and leadership skills, personnel management, planning of research campaigns at sea, workshops and meetings organization, preparation of coordinated research projects, Head of Mission of numerous oceanographic research campaigns, coordination of Italian and foreign working groups. Team working skills.**

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Communication and interpersonal skills

Communication and interpersonal skills acquired through the participation in several meeting for the planning of research projects and through lectures and classes held at the University as part of undergraduate and graduate programmes. Different activities contributed to develop these skills: participation in scientific television services (Linea Blu, Ambiente Italia, Linea Verde, Geo & Geo, BBC, Pianeta Mare, Presa Diretta, FOCUS), drafting of texts for scientific video regarding biodiversity matters (EXPO 2015), participation as speaker in scientific and dissemination events (EXPO 2015, BlueSEA LAND 2018, 2019, COP21 Napoli, etc).

My skills enabled me to establish collaborations with different institutions, maritime Directorates, Royal Navy; to participate in technical meetings for Sicily and Calabria regions and to manage coordinations groups including Coast Actions Groups of Patti and smaller islands, Coordination Group of Fisheries Management Consortia in Sicily, Management plans, Governance Body for Local Management Plans.

## PROFESSIONAL SKILLS

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### Professional skills

Experience in the coordination of working groups, national and international projects, commissions on preparatory studies for offshore facilities, scientific activities related to biology, ecology, eco-toxicology of fish species, studies on migratory behaviour through satellite marking surveys, trophic ecology and responses of the immune system to biomarker. This experience allowed me to manage national and international interdisciplinary research projects related to biology, ecology, eco-toxicology and biochemistry of fish species and to acquire technical and administrative expertise through the management of national and international projects, research contracts and third-parties contracts through the participation as Manager in the monitoring process - at a technical, scientific and economic level - the budget planning, including programming reports with dedicated software, planning of purchases of goods and services and the processes adopted by each institution.

## 1. Project "Plastic Busters MPAs, Preserving Biodiversity from plastics in Mediterranean Marine Protected Areas - INTERREG MED"

### Position: Project Manager and Scientific Director ISPRA

Project Manager as SZN employee through membership with ISPRA (leader of the project) and with the assignments of the PM, including the coordination of the project partners (15) and associates (17) while holding the Scientific Director role for ISPRA. The SZN acting as associate partner.

**Funding:** INTERREG MEDITERRANEAN

**Duration:** 48 months (February 2018-January 2022) + 3 months April 2022

**Total Budget:** 5.055 milioni

**Partner:** ISPRA (LP), Università Siena, Parco Nazionale Arcipelago Toscano, IFREMER, IEO, HCMR, Governo regionale delle Isole Baleari, MIO-ECSDE, Parco Nazionale di Zakynthos, ARC SCP/RAC, Ministero Greco, Ministero Croazia, Ministero Albania, Agenzia per l'ambiente OEC, Università di Spalato.

**Aim of the project:** the project includes three modules (Studying, Testing and Capitalizing) and involves Italy, Spain; France, Croatia; Greece and Albania. It consists of management activities for the entire cycle of the marine litter, from the monitoring and evaluation to the prevention and mitigation in Marine Protected Areas of the Mediterranean, through an interdisciplinary approach that includes biology studies and responses from marine organisms to the microplastic.

## 2. Project "Implementazione del laboratorio naturale ECCSEL di Panarea e dell'osservatorio marino IPANEMA" (Decreto del Presidente n. 91 del 24/10/2019).

### Position: Scientific Director SZN

**Funding:** PON Research and Innovation 2014-2020

**Duration:** 36 months (14/06/2019 - 14/06/2023)

**Total Budget:** SZN budget Euro 268.898,00

**Partner:** OGS capofila, partner SZN, INGV, INFN.

**Aim of the project:** implementation of submarine monitoring system for the biodiversity in the hydrothermal site of Panarea through the acquisition, installation and operation of complex equipment to be placed in the site with the aim of studying the effects of the

climate change on the marine organisms, the adaptive responses to the changes in environmental parameters in hydrothermal areas.

### **3. Project "CIR01\_00018- IPANEMA Implementation of the natural laboratory ECCSEL Panarea and marine observatory IPANEMA - Strengthening of human capital"**

**Position:** Principal Investigator SZN

**Funding:** Research and Innovation 2015-2017 PNIR

**Duration:** 36 + 8 months extended deadline 31/12/2024

**Total Budget:** euro 72.000

**Aim of the project:** Recruiting and training of staff for the management of the instruments acquired within the IPANEMA project (two 18 months scholarships)

### **4. Project "Marine Hazard PON03PE\_00203\_1 "**

**Position:** SZN Representative, Manager of operations, Unit Manager

**Funding:** PON "R&C" 2007-2013

**Duration:** 01/06/2019 - deadline 1 September 2023

**Total Budget:** SZN budget euro 577,469.48

**Partner:** CNR lead partner, INGV, Leonardo SPA, INFN, SZN

**Aim of the project:** study and evaluation of the biodiversity in hydrothermal environments and seamount through a multidisciplinary approach that includes ecology and adaptation of species, energy transfer along the trophic system, role of bacteria in deep hydrothermal systems and the interactions between abiotic and biotic component in extreme environments.

### **5. Project "Innovazione tecnologica per la tutela e valorizzazione degli ecosistemi marini (ITEM)" CTN02\_00059\_9948371**

**Position:** SZN Representative, Manager of operations, Unit Manager

**Funding:** FISR Call for development and strengthening of 4 new National Technical Clusters. Project Clusters regarding industrial research and experimental development; specialisation area "Economy of the Sea" BIG - Blue Italian Growth

**Duration:** 36 months starting from 01/06/2017



**Total Budget:** SZN budget euro 100.000

**Partner:** CNR lead partner, CONISMA, Consorzio ITALBIOTEC, ENI SPA, INGV, OGS

**Aim of the project:** filling the existing technological gaps across Italy and Europe for a competitive industrial development and a sustainable use of the resources through the design of new marine biotechnologies for the environmental restoration and through the identification of new products, foods, materials and marine drugs.

## **6. Project “Valutazione dello stato della risorsa Aguglia imperiale ( Tetrapturus belone) e studio sulla distribuzione in Mediterraneo ”**

**Position:** PI (all. PS.5)

**Total Budget:** euro 200.000

**Funding:** FEAMP 2014-2020, Misura 1.26. Sicily Region owned

**Duration:** 36 months

**Aim of the project:** the project is conceived by the research area Fishery Science and Marine Ecology and its main objective is to assess the status of the resource for sustainable fishing through experiments including satellite marking, genetic analysis, trophic ecology and the use of professional and sport fishing in order to identify potential areas for sport fishing.

## **7. Project “Sviluppare modelli di gestione nuovi o migliorati delle imprese cooperative della pesca costiera artigianale”**

by supporting companies in to improve their management performance, through improving the fish market - Misura 1.26

**Position:** Scientific Director Misura 1.26

**Funding:** FEAMP 2014-2020 Regione Campania

**Duration:** 36 months

**Aim of the project:** proposing new organisational model for the fishing industry by going beyond the actual regulation.

## **8. Project “RETE 3 GOLFI - 3-G” Rete integrata per il monitoraggio e la produzione di un modello regionale di gestione delle risorse e degli ecosistemi marini nei Golfi di Castellammare, Patti e Catania”**

**Position:** Principal investigator

**Budget SZN:** €403.750

**Duration:** 11/03/2021 al 30/11/2023;

**Partner:** University of Palermo lead partner, partner University of Catania

### **9. CRIMAC “Centro ricerche ed infrastrutture marine avanzate in Calabria (CRIMAC)” - Delibera CIPE n. 17 del 4 aprile 2019**

**Position:** Responsible for the Objective 2, for the Laboratory in Amendolara and the procedures

**Aim of the project:** completion of the set-up of all the laboratories owned by Calabria Dept. Of SZN through the acquisition and activation of the goods for multidisciplinary analyses of Calabria Dept.

### **10. Project “Potenziamento della molluschicoltura siciliana nell'areale della laguna di Capo Peloro”**

In implementation of Measure 2.51 of PO FEAMP 2014-1010, line 1 Conservation and enhancement of the breeding of endemic species and promotion of Shellfish farming in Messina (cozze *Mytilus* spp.)

**Position:** Scientific Director

**Total budget:** euro 700.000

**Duration:** October 2022-October 2023

### **11. Third party Commission**

**University of Pollenzo and SZN**

**Aim:** research activities including habitat characterisation, biology of the species and seabed biodiversity, marine litter, fishing, monitoring the areas of Puglia and Calabria through wave glider for the study of environmental impacts for the wind offshore project in Calabria, Ionian coast and Puglia.

**Position:** Scientific Director

**Total budget:** euro 370.000 (VAT excluded)

**Duration:** April 2022-February 2023

## **12. Research Convention between the University of Pollenzo and the SZN**

**Aim:** study of degradation processes, growth of bacterial communities, development of pathogens in mussel farming in the Gulf of Taranto, by testing new awns of biodegradable material in mussel farming

**Position:** Scientific Director

**Total budget:** euro 40.000

**Duration:** 28 May 2021-31 December 2022

## **13. Contract between WWF and SZN. Project "Transforming Mediterranean Small Fisheries"**

**Aim:** Scientific Director in co-management meeting in the Gulf of Patti and Porto Cesareo. Development of a scientifically valid management plan for the the Gulf of Patti and Porto Cesareo and support of the implementation of the measures as identified by the meetings.

**Position:** Scientific Director

**Total budget:** euro 24.000

**Duration:** 10/01/2022-19/08/2022

## **14. Contract between WWF and SZN. Project "Transforming Mediterranean Small Fisheries"**

**Duration:** 24/01/202-15/09/2021

**Funding:** WWF Italy through Ocean Foundation

**Total budget:** euro 30.000

**Aim:** data collection from the fleet on the Gulf of Patti, biology of species, catches and fishing effort, socio-economic analysis, technical meetings for the management of small fisheries.

## **15. Contract between SZN and Wood E&IS GmbH Society. Project "Svolgimento delle attività di analisi tassonomiche, ecotossicologiche, chimiche e microbiologiche di campioni provenienti dal Canale di Sicilia"**

**Position:** Scientific Director

**Total budget:** euro 40.000

**Duration:** 10/10/2022-30/06/2023

**16.Contract between SZN and University of Wine and Food Sciences of Pollenzo**

Research activities for the study of the environmental impact of 3 offshore wind projects in Sardinia.

**Position:** Scientific Director

**Total budget:** euro 500.000

**Duration:** 01/01/2023-10/12/2023

**17.Contract between SZN and and University of Wine and Food Sciences of Pollenzo**

Research activities for the study of the environmental impact of 4 offshore wind projects in Sardinia, Sicily and Calabria

**Position:** Scientific Director

**Total budget:** euro 1.300.000

**Duration:** 01/05/2023-31/12/2023

**18.Project "FEAMP Interventi a protezione della Costa degli Dei"**

in implementation of Measure 1.40, part.1, lett. B) of the FEAMP Calabria "Protezione e ripristino della biodiversità e degli ecosistemi marini e dei regimi di compensazione nell'ambito di attività di pesca sostenibili".

**Lead Partner:** WWF

**Position:** Scientific Director

**Project Budget:** euro 200.000 - **SZN Budget:** 60.000

**Duration:** 12/10/2021-30/06/2023

**19. Project "CRIMAC - Centro Ricerche ed Infrastrutture Marine Avanzate in Calabria Obiettivo Realizzativo OR2 - Ri-funzionalizzazione e creazione di laboratori nel centro ricerche mari calabresi ad Amendolara"**

**Funding:** PON Research and Innovation

**Position:** Scientific Director

**Project Budget:** euro 10.000.000 - **OR2 Budget:** 2.000.000

**Duration:** 01/01/2019-31/12/2024

**SCIENTIFIC COORDINATION - PARTICIPATION IN ISPRA RESEARCH PROJECTS (JUNE 2018- AUGUST 2018)**

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[ 2017 – 2018 ] **Project Manager and Scientific Director for ISPRA**

Project "Interreg MED Plastic Busters MPAs: preserving biodiversity from plastics in Mediterranean Marine Protected Areas" (4MED17\_3.2\_M123\_027)

[ 2012 – 2018 ] **Scientific Director - Research contract**

COGEP A PORTOROSA –ISPRA (FEP 2007- 2013 Reg CE 1198/2006 art. 37) Monitoring the management plan for the Management Unit comprising the areas between Capo Calavà e Capo Milazzo

[ 2012 – 2018 ] **Scientific Director - Research contract**

COGEP A EOLIE-ISPRA (FEP 2007-2013 Reg CE 1198/2006) Monitoring the management plan for the Management Unit of Aeolian Islands

[ 2014 – 2016 ] **Scientific Director - Research contract**

COGEP A Lampedusa e Linosa - ISPRA (FEP 2007- 2013 Reg CE 1198/2006) "Use of instruments to reduce the by-catch fishing for demersal species species demersali with bottom longline"

[ 2015 – 2016 ] **Scientific Director - Research contract**

FEDERCOPE SCA –ISPRA (FEP 2007-2013 Reg CE 1198/2006) Collective Actions - MAzioni Collettive - Partnering meetings between researchers and fishermen

[ 2014 – 2016 ] **Scientific Director - Research contract**

"Qualitative and quantitative assessment of the potential chemical and biological effects from ingestion of microplastics in *Dicentrarchus labrax*" (Ministry of Health Authorisation 1255/20115-TR within the Partnership between CNR and IAMC in Messina, Partnership n. 0000775 of 24/01/2014)

[ 2014 – 2017 ] **Responsible Coordination WP7 Activities**

Strengthening of North Eastern Sicily for the project EMSO-MEDIT Project PAC\_00144; Funded by MIUR - Strengthening of the multidisciplinary infrastructures for the marine research in Sicily, Campania and Puglia as part of the contribution to ESFRI EMSO. Notice D.D. 274 of 15/02/2013



## **Responsible Coordination of activities**

Sampling of WP3 of the project BIODIVALUE - the economic value of the biodiversity in the ecosystems, analysis of biophysical effects of maritime traffic on marine biodiversity c od. B1-2.8/1 P.O. ITALIA MALTA 2007-2015

## **Responsible Coordination of WP3**

Project Regional Observatory of terrestrial and marine Biodiversity of Sicily Project P.O.R. FESR - Sicilia (2007-2013). of monitoring techniques in hydrothermal areas to fill the existing gaps and to implement the database of biodiversity

### **[ 2008 - 2010 ] Scientific Co-Director MIPAF project**

Assessing the eco-toxicological effects of old and emerging contaminants, studying the biology and ecology of the Mediterranean populations of swordfish, bluefin tuna and albacore

### **[ 2008 - 2010 ] Scientific Director - Research contract**

RAM-ISPRRA - monitoring the coastal area of Milazzo and assessing the biodiversity of the fish species in anthropic area (all. PI.10)

### **[ 2016 - 2017 ] Project Collaborator**

Interreg MED Cooperation Programme 2014-2020 UE Project, : "ConFish: Connectivity among Mediterranean fisherystakeholders and scientists resolves connectivity of fishery populations".

### **[ 2015 - 2018 ] Scientific Director**

Project Marine Hazard - Developing new technologies to identify, monitor and mitigate natural and anthropic contamination phenomena PON03\_01201. Feasibility Study of Technological District of the Marine Environment of Sicily DT AMar Sicilia. Funded as part of the National Research and Competitiveness Program (PON R&C) MIUR Cohesion and Action Plan - Sector "Technologies for smart communities"

### **[ 2014 - 2016 ] Project Collaborator**

Project MITO - Multimedia information on Territorial Objects. National Research and Competitiveness Program (PON R&C) MIUR Cohesion and Action Plan - Sector "Long term preservation of research products"

### **[ 2012 - 2016 ] Project Collaborator**

Project MATTM (Italian Ministry for the Environment, Land and Sea) "Marine Strategy Framework Directive (Directive 2008/56/CE)" in Italian waters. Responsible for Descriptor 3: Commercially exploited fish and shellfish ("Populations of all commercially exploited fish and shellfish are within safe biological limits, exhibiting a population age and size distribution that is indicative of a healthy stock")

[ 2012 – 2016 ] **Scientific Director**

Drafting and presenting Local Management Plans in Sicily, pilot project, collective actions on Measures 1.4, e 3.5, 3.1 REG CE. 1198/2006 : "Aeolian archipelago, Pelagic Islands, Capo Calavà-Capo Milazzo"

**Project Collaborator**

STRALAMP - assessing the eco-compatibility and sustainability of adult cephalopod fishing, funded by Sicily Region (Regional Fishery Department)

[ 2010 – 2011 ] **Project Collaborator**

RETE - Scientific optimisation of the research for the management of fishing in environmental and economic decisions. Funded by MIPAF

[ 2012 – 2015 ] **Project Collaborator**

ITAFISH - Scientific optimisation of the research for the management of fishing in environmental and economic decisions ITAFISH. Funded by MIPAF

[ 2010 – 2012 ] **Project Collaborator**

SIASIC - study of shipwrecks in Sicily. Funded by Sicily Region (Regional Fishery Department)

[ 2010 – 2011 ] **Project Collaborator**

ASPIM III – Establishment of a knowledge base for the identification and distribution of non-native or genetically modified species in Italian Seas. Funded by MATTM

[ 2010 – 2011 ] **Project Collaborator**

GAMBERO - searching for environmental, fishing and supply chain limits to the exploitation of shrimps. Funded by Sicily Region (Regional Fishery Department)

[ 2010 – 2011 ] **Project Collaborator**

Relitti Tirreno – SIA. Pilot project for the controlling and monitoring of polluting sources in the Southern Tyrrhenian Sea. Funded by the Italian Ministry for the Environment, Land and Sea

[ 2008 – 2010 ] **Project Collaborator**

Assessing the eco-toxicological effects of old and emerging contaminants, studying the biology and ecology of the Mediterranean populations of swordfish, bluefin tuna and albacore. Funded by MIPAF (Italian Ministry for Agriculture and Fishery) cod. 6A108

[ 2005 – 2008 ] **Project Collaborator**

Satellite marking of swordfish using pop-up tags in the Mediterranean Sea. Funded by MIPAF

[ 2008 – 2009 ] **Project Collaborator**

FEP - Fishery Management Plans. Funded by Sicily Region (Regional Fishery Department)

[ 2007 – 2009 ] **Project Collaborator**

VECTOR - Vulnerability of Italian coast and marine ecosystem due to climate changes and its role in carbon cycles. DIVCOST line. Funded by CONISMA

[ 2007 – 2008 ] **Project Collaborator**

UE  
Project (INTERREG III B ARCHIMED) "MESFIDE: MEditerranean Small craft Fishery and DEvelopment."

[ 2006 – 2008 ] **Project Collaborator**

ENI Bioplatform - Methodological approach in the characterisation of biodiversity while monitoring the ecosystem role of offshore platforms

[ 2006 – 2008 ] **Project Collaborator**

Study of the surf-zone in the Southern Tyrrhenian through the analysis of **trophic relations between benthos and fish community**. Funded by MIUR (Ministry of Education, University and Research)

[ 2008 – 2010 ] **Project Collaborator**

Integrated project for the realisation of management models for the coastal area and the **improvement of the quality of the fish product in Aeolian Islands**. Funded by Sicily Region (Regional Fishery Department) POR Sicilia 2000-2006, n° 1999

[ 2008 – 2010 ] **Project Collaborator**

Assessing the eco-toxicological effects of old and emerging contaminants, studying the biology and ecology of the Mediterranean populations of swordfish, bluefin tuna and albacore. Funded by MIPAF (Italian Ministry for Agriculture and Fishery)

[ 2006 – 2008 ] **Project Collaborator**

Project no. 6 A 82 "Mullus barbatus", within the scientific subject of evaluating demersal fish resources. Funded by MIPAF (Italian Ministry for Agriculture and Fishery)

**PARTICIPATION IN RE-  
SEARCH PROJECTS  
FROM 1997 TO 2004**

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**Research Projects from 1997 to 2004**

Participation in several national and international research projects run by IAMC-CNR of Messina in the areas of biology, fishing and ecology of demersal and pelagic fish species

Participation in various research projects with the University of Siena in the areas of ecotoxicology from 2000 to 2004

**PARTICIPATION IN RE-  
SEARCH PROJECTS  
FROM 1994 TO 1996**

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**Research Projects from 1994 to 1996**

Participation in various national and international research projects in the areas of biology, biodiversity and ecology of fish species during the preparation of the dissertation at the University of Messina and during the internship to be qualified as Biologist

**Vice-PI supporting the management of the project "National Biodiversity Centre"**

and authorising expenditures in the event of absence or impediment of the PI (Res. no. 129 of 20/07/2022)

**Director of Sicily Seat, A-type seat**

(Prot. N. 3657 of 14 July 2021), renewable 3 years term

**Acting Director, Sicily Seat**

from 1/6/2021 to 30/6/2021. Decree of the President no. 65 of 01/06/2021)

**Delegation to Director, A-type seat (DDG 45 of 25/1/2022) and other responsibilities**

Management of Time card and staff from departments EMI, BEOM, RIMAR, BIOTECH for a total of 15 permanent employees, 7 research fellows, 5 scholarships, 4 PhD from Messina, Palermo and Milazzo; performance objectives

**Sole Manager for the Procedure**

for the project MoSIC - monitoring SIC in Calabria, project code n.13/RBC/20, C.U.P. J12C20003450009, PO FEAMP 2014-2020, Priority 1 - Measure 1.40 par. 1 lett. d), e), f), g) Art. 40 of UE 508/2014 for all the procedures not exceeding euro 40.000 (DDG 54 of 27/01/2021)

**Member of the Technical Committee for the recognition of SZN inventory**

in order to redact the statutory financial statements for year 2021 (General Director res. no. 109 of 04/03/2022)

**Member of the SZN Ethical Committee**

(BoD Res. no. 166 of 20/09/2021)

**Member of the Innovation Joint Body**

Alternate Member (BoD no. 222 of 30/11/2021, Prot. no. 6569 of 17/12/2021)

**Scientific Director of the Convention for the inter-institutional cooperation between ISPRA and SZN in Sicily and Southern Italy**

from 1/09/2021, 5 years term

**Sole Manager for the Procedure**

for PON IPANEMA floating system

**Supporting the Sole Manager for the Procedure**

for microscope and infrared spectrophotometer supply under auction

### **Supporting the Sole Manager for the Procedure**

for PON IPANEMA floating system

### **Sole Manager for the Procedure**

for purchases under PON IPANEMA funds not exceeding euro 40.000 VAT excluded (DDG 276 of 7 July 2020)

### **Sole Manager for the Procedure**

for purchases under PON PRIMA funds not exceeding euro 40.000 BENI OR8 SEDE Amendolara

### **SZN Representative in the Advisory Committee L.R 9 2019**

Standards for the protection of the culture and the marine identities and for the promotion of the Marine Economy. **Discipline of Mediterranean Fishing in Sicily** (Letter of 04/12/2019)

### **Delegate of the President**

for the delivery of the premises Villa Pace, SZN seat of Messina, Convention with the University of Messina

### **Commission for competition notices**

Participation as President in various competition notices for the recruitment of personnel for Scholarships and Research Grants

## **INSTITUTIONAL POSITIONS - ISPRA RESPONSIBILITY**

[ 01/07/2017 – 31/08/2018 ]

### **Responsible of Unit "Monitoring anthropogenic pressures on marine resources"**

AREA BIO\_CIT Department EMI (Service Order 14/BIO-DIR of 21 June 2017)

[ 09/07/2015 – 30/06/2017 ] **Responsible of the Laboratory of Ichthyology and Marine Ecology in Milazzo**

(Res. no. 817/DG of 09/07/2015)

Representative Senior Member ISPRA BIO-CIT for "Marine litter" GIZC Ramoge.4a Agreement

Representative of Marine Strategy Descriptor 3, Senior Member of the Working Group VAL-ASI for environmental impact assessments

Senior Representative Member ISPRA - Commission for the Protected Marine Area of Cyclopes

Alternate Member for ISPRA in the General Assembly of the JOINT UNIT RESEARCH

Member of the commission for Research Grants of the project ORBS FESR



ISPRA Member for the Advisory Board of the Biodiversity Observatory of Sicily (Sicilia – ORBS)

Member of evaluation panels of the Operative Program P.O. FEAMP 2013-2020

## NETWORKS AND MEMBERSHIPS

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### Networks and other synergistic activities

#### Networking

1. International networks in biology, ecology and eco-toxicology of marine organisms, **Plastic BUSTER network**, which led to collaborations with national and international Research Institutions and to 2 project proposals for JPI Ocean e *Interreg MED*
2. **COST ACTION Hydrothermal network**, which led to 2 project proposals: MED-VENT” A transnational research innovation cluster and network for the hydrothermal VENTS in active submarine volcanoes of MEDiterranean and E-DORY: European multiDisciplinary network for the mOnitoring of submaRine volcanic activity”
3. **Network con International Game Fish Association IGFA, Stanford University, Virginia Institute**, for the study of the migratory behaviour through the satellite marking of large pelagics
4. **ReTe Nazionale in Pesca** which led to national and international cooperations for the participation in project proposals for ICCAT, Blue-Bio ERANET, Horizon 2020, EU COST Action on Oceans Past Platform
5. Review activity for access requests to CNR premises for data acquisition campaigns during 2011, 2012, 2013;
6. EDITOR OCEANS, Special Issue "Pelagic Fish Ecosystem
7. Peer review activities for ISI international journals

## TUTORING ACTIVITIES

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### PhD tutoring

1. **Phd Tutor Università di Messina Giuseppe Cangemi University of Messina Dottorato in Biologia Applicata e Medicina Sperimentale Ciclo XXXVII** IMPIEGO, RIUTILIZZO E RICICLO DI PLASTICHE BIODEGRADABILI IN IMPIANTI DI MITILICOLTURA Gennaio 2022 (BORSE MUR PON)
2. **PhD Tutor University of Messina Serena Scozzafava Titolo: Biologia Applicata e Medicina Sperimentale Ciclo XXXVII** Studio della degradazione del biopolimero Mater-Bi® e valutazione degli effetti sugli organismi marini in un contesto di cambiamenti globali da Ottobre 2021
3. **PhD Tutor University of Messina/Federica La Face Ciclo - XXXVI - Biologia Applicata e Medicina Sperimentale:** Title: Methodological application for the qualitative assessment of MPs and NPs in the marine environment and their potential impact on biodiversity Ottobre 2020
4. **Phd co-supervisor University Reggio Calabria Cristina Pedà Dottorato di Ricerca in Scienze e Tecnologie Agrarie, Alimentari ed Ambientali (Ciclo XXVIII)/** VALUTAZIONE QUALI-QUANTITATIVA DEI POTENZIALI EFFETTI CHIMICI E BIOLOGICI DA INGESTIONE DI MICROPLASTICHE IN DICENTRARCHUS LABRAX
5. **Phd co-supervisor n. 1 PhD/University Messina (XXVIII Environmental Science)/** Michela D'Alessandro Study of effects of Human Activities on Marine Biodiversity: a case study in five harbors of Central Mediterranean Sea (2025-2018)
6. **Tribunal Member Phd Doctoral School at the Univeristy of the Balearic Islands.** Montserrat Compa Ferret. Titolo Tesi PhD: Quantification, ingestion and threat of plastic pollution on marine diversity (2029-2021) Tutor Salud Deudero

7. **External Evaluator Cycle XXXII** - Dottorato in Scienze e tecnologie ambientali, geologiche e polari. Dario Giani. Titolo Tesi: Impatto delle microplastiche e loro funzione carrier per contaminanti persistenti in specie ittiche del Mar Mediterraneo con diverse strategie alimentari (2018-2020)

### **PhD tutoring - Higher Education**

**Thirdy Party Monitor (TPM) n. 3 PhD students:** Dott.ssa Raffella Bullo; Dott.ssa Maria Stella Terzo; Dott. Luca Pagano (Attachment Thirdy Party)

### **Dissertations tutoring**

Bachelor's thesis - n.6

Master's thesis and Master - n.10

### **Other training and tutoring activities**

- a. External supervisor Erasmus project/University Messina- University Atene/Dr Passalacqua
- b. Doctoral training activity with IDAEA-CSIC Spain/Gabriella Schirinzi (10-02/26-05 2019- ISPRA) –
- c. Seminars at University of Messina per Master and PhD programmes
- d. Training PhD with IDAEA-CSIC Spagna
- e. Tutoring Projects for school-work alternation between ISPRA e Liceo Scientifico di Barcellona Pozzo di Gotto (ME) - Project: "I Rifiuti marini: la plastica in mare e gli effetti sull'ecosistema"
- f. Tutor of internships (University-ISPRA-CINECA)

### **Other Responsibility roles**

- Convention for the implementation of the Marine Strategy Plan in AMP Capo Rizzuto –**Responsible for technical and scientific coordination**, meetings with MATTM for reporting activities, **relationships with stakeholders from different Protected Marine Areas**, drafting mitigation and management guidelines
- Scientific Director Research Grant 1/2019 Danilo Malara (April 2019- June 2020)
- Scientific Director Research Grant Francesco Longo (16/06/2020-15/06/2021)
- Scientific Director Research Grant Valentina Costa (1 April 2021- 31 January 2022)
- Scientific Director Research Grant Erika Arcadi (December 2020-December 2022)
- Scientific Director Research Grant Rosario Calogero (January 2021-December 2022)
- Scientific Director Scholarship Francesca De Domenico (16/11/2020-15 Mayv2022)
- Scientific Director Scholarship Giuseppe Cangemi (01/04/2021-30 November 2021)
- Scientific Director Scholarship Serena Scozzafava (01/06/2021- 30/09/2021)
- Scientific Director Scholarship Matteo Nannini (01/08/2021-31/07/2021)

## **FIELDWORK**

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### **Responsibilities**

Head of Mission NAVE ASTREA - PANA campaign 15 June 2015 (Strait of Messina-Aeolian Islands 01-10 June 2015)

Head of Mission NAVE ASTREA PANA campaign 14 June 2014 (17-28 June Aeolian Islands)

Head of Mission NAVE ASTREA campaign July 2015 (Canale di Sicilia)

Head of Mission NAVE ASTREA PLASTIC BUSTERS campaign September 2014 (4-16 Sept 2014 Santuario Cetacei)

Head of Mission NAVE ASTREA PANA campaign 13 November 2013 (Aeolian Islands)

Head of Mission Nave ASTREA BIODIVALUE campaign 13 September 2013 (Augusta-Siracusa)

Head of Mission Nave ASTREA PANA campaign 13 June 2013 (Aeolian Islands)

Head of Mission Nave ASTREA RAM campaign June 2010 (Milazzo)

Oceanographic Campaign Antarctica - Nave Italica (Jan-March 2003)

Oceanographic Campaign Shetland – Elephant Islands NAVE POLAR STERN(Jan-March 2000)

Fishing seasons of demersal species

Fishing seasons of large pelagics

## EXTRA-INSTITUTIONAL POSITIONS

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### Extra-institutional positions

Call for Senior Technologist OGS - Commission for 1 position as Senior Technologist - Oceanography (physics, chemistry, biology and geology) - Profile "Management of oceanographic monitoring systems. Member of the Commission (13-11-2020-01/04/2021)

Selection no. 3/2022 INGV. for 2 research grants within the projects PON ITEM and PON MARINE HAZARD. Decree no. 86 of 07/02/2022 - President (Decree and attachments set-up)

Member of the Institute for Environmental Protection and Research (Istituto Superiore per la Protezione e la Ricerca Ambientale ISPRA) from October 2018 to date

Member of IAMC- CNR of Messina from 2015 to 2018

Member of the Stazione Zoologica Anton Dohrn di Napoli (SZN) from December 2017 to September 2018

Occasional collaboration with ISMEA for the development of a statistical survey system on litter (man-made litter) caught by Italian fishermen as part of a feasibility study for the protection of the marine ecosystem

Occasional collaboration with FEDERPESCA Ricerca e Sviluppo srl for the realisation of information and multimedia products in support of the campaign "Sicilian Fish on the Road 2011" on marine biology and scientific advice on Food Sciences

## THIRD-MISSION ACTIVITIES

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### Third-mission activities from 2018

Third-mission activities (SZN), participation in dissemination events among which BLUE sea LAND, COP21 Napoli, SalinaFestival, ECOFORUM Palermo, informative articles in newspapers, FOCUS TV, etc

PANDATARIA FILM - LO STRETTO DI MESSINA (recording) [Stazione Zoologica Anton Dohrn](#) | [Facebook](#)

The Possible ISLAND – Residenza Arte e Scienza Isola di Vulcano from 16 to 21 June  
Associazione <https://www.giornalelora.it/da-plastica-a-bioplastica-la-pesca-tradizionale-in-sicilia-si-innova-con-i-nuovi-bio-cannizzi/>

World Ocean Day (<https://www.facebook.com/350917271751752/posts/>)

FILM SOTTO IL VULCANO (RAI TRE) - <https://www.raiplay.it/video/2021/11/Sotto-il-vulcano-dc821616-60f3->

DOCUMENTARIO FOCUS – VULCANI SOTTOMARINI

LINEA BLU

DOCUMENTARIO PLASTIC BUSTERS MPAS

EVENT: CAPITALIZZAZIONE ATENE (PROJECT PLASTIC BUSTERS MPA)

INFO DAY ITALIA 21 April 2022 ROME ([Parco Nazionale Arcipelago Toscano - Home | Facebook](#))

2020 Blue Sea Land - Time series datas on large pelagics – Tuna fishing nets and their importance in the scientific research/Presentation

2019 (15-19 Oct 2019) Blue Sea Land Workshop: “Evaluating the status and distribution of Marlins (Tetrapterus belone) in the area of Sicilian fishing fleets” /Presentation

Blue sea Land – Marine Litter – Special Session/presentation

2019 COP 21 Napoli – Session Marine Litter - 2-5 Dec 2019 Napoli Speaker

2019 3rd Steering Committee Meeting Plastic Busters MPAs Milazzo/Italy Role: Project Manager and Lead Partner

2019 Summer School University of Messina

2019 Memorandum of Understanding Stazione Zoologica Anton Dohrn (SZN), The International Game Fish Association (IGFA), Sea Life Care International (SLCI), Stanford University (SUN) – Scientific Director

2018 (4-7 Oct) Blue Sea Land – Presentation of the project Plastic Busters MPAs/Marine Litter

2018 2nd Steering Committee Meeting Plastic Busters MPAs Corsica/France Role: Meeting organisation

2018 Kick off meeting Plastic Busters MPAs Interreg Med Project/Siena/Italy Role: Meeting organisation

## DIVING CERTIFICATIONS

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### Diving certifications

- OPEN WATER DIVER – SSI;
  - ADVANCED DIVER - SSI
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## PUBLICATIONS

### IF Publications

1. Costa, V., Scutтери, V., Consoli, P., Manea, E., Menini, E., Andaloro, F., .....Teresa Romeo & Danovaro, R. (2023). Volcanic-associated ecosystems of the Mediterranean Sea: a systematic map and an interactive tool to support their conservation. *PeerJ*, 11, e15162.
2. Battaglia, P., Pedà, C., Rizzo, C., Stipa, M. G., Arcadi, E., Longo, F., ... & Romeo, T. (2023). How Rare Are Argonautoida Octopuses in the Mediterranean? New Data from Stranding Events, Stomach Contents and Genetics. *Biology*, 12(3), 420.
3. Scutтери, V., Pedà, C., Longo, F., Calogero, R., Cangemi, G., Pagano, L., Romeo T. & Consoli, P. (2023). Integrated approach for marine litter pollution assessment in the southern Tyrrhenian Sea: Information from bottom-trawl fishing and plastic ingestion in deep-sea fish. *Marine Pollution Bulletin*, 188, 114661.
4. Bottari, T., Nibali, V. C., Branca, C., Grotti, M., Savoca, S., Romeo, T., ... & Mancuso, M. (2022). Anthropogenic microparticles in the emerald rockcod *Trematomus bernacchii* (Nototheniidae) from the Antarctic. *Scientific Reports*, 12(1), 17214.
5. Pedà, C., Romeo, T., Panti, C., Caliani, I., Casini, S., Marsili, L., ... & Fossi, M. C. (2022). Integrated biomarker responses in European seabass *Dicentrarchus labrax* (Linnaeus, 1758) chronically exposed to PVC microplastics. *Journal of Hazardous Materials*, 438, 129488.
6. Battaglia, P., Pedà, C., Malara, D., Milisenda, G., MacKenzie, B. R., Esposito, V., ... & Romeo, T. (2022). Importance of the lunar cycle on mesopelagic foraging by Atlantic bluefin tuna in the upwelling area of the Strait of Messina (Central Mediterranean Sea). *Animals*, 12(17), 2261.
7. Calogero, R., Rizzo, C., Arcadi, E., Stipa, M. G., Consoli, P., Romeo, T., & Battaglia, P. (2022). Isolation and Identification of Luminescent Bacteria in Deep Sea Marine Organisms from Sicilian Waters (Mediterranean Sea). *Journal of Marine Science and Engineering*, 10(8), 1113.
8. Fanelli E., Di Giacomo S., Gambi C., Bianchelli S., Da Ros Z., Tangherlini M., Andaloro F., Romeo T., Corinaldesi C., Danovaro R. 2022. Effects of Local Acidification on Benthic Communities at Shallow Hydrothermal Vents of the Aeolian Islands (Southern Tyrrhenian, Mediterranean Sea). *Biology*, 11, 321.
9. Arcadi E., Rastelli E., Tangherlini M., Rizzo C., Mancuso M., Sanfilippo M., Esposito V., Andaloro F., Romeo T. 2022. Shallow-Water Hydrothermal Vents as Natural Accelerators of Bacterial Antibiotic Resistance in Marine Coastal Areas. *Microorganisms*, 10, 479.
10. Rizzo, C.; Arcadi, E.; Calogero, R.; Scutтери, V.; Consoli, P.; Esposito, V.; Canese, S.; Andaloro, F.; Romeo, T. 2022. Ecological and Biotechnological Relevance of Mediterranean Hydrothermal Vent Systems. *Minerals*, 12, 251.
11. MacKenzie B.R., Addis P., Battaglia P., Consoli P., Andaloro F., Sarà G., Nielsen A., Romeo T. 2022. Neglected fishery data sources as indicators of pre-industrial ecological properties of Mediterranean swordfish (*Xiphias gladius*, Xiphiidae). *Fish and Fisheries*, 1-18
12. Pedà, C., Longo, F., Berti, C., Laface, F., De Domenico, F., Consoli, P., ... & Romeo, T. (2022). The waste collector: information from a pilot study on the interaction between the common octopus (*Octopus vulgaris*, Cuvier, 1797) and marine litter in bottom traps fishing and first evidence of plastic ingestion. *Marine pollution bulletin*, 174, 113185. <https://doi.org/10.1016/j.marpolbul.2021.113185>
13. Di Cintio A., Labanchi L., Spagnolo M., Musella G., Romeo T., Garozzo V., Di Genio S., Riginella E., Andaloro F., Milisenda G., Di Franco A., Battaglia P. 2021 Fishing capacity in Southern Italy: An insight into the status and trends of the Campanian fishing fleet. *Regional Studies in Marine Science* 9, 102102.
14. Bottari, T., Mancuso, M., Pedà, C., De Domenico, F., Laface, F., Schirinzi, G. F., ... & Romeo, T. (2022). Microplastics in the bogue, Boops boops: A snapshot of the past from the southern Tyrrhenian Sea. *Journal of hazardous materials*, 424, 127669.
15. Battaglia P; Stipa MG; Ammendolia G; Pedà C; Consoli P; Andaloro F; Romeo T (2021) When nature continues to surprise: observations of the hectocotylus of *Argonauta argo*, Linnaeus 1758. *The European Zoological Journal*, 980–9862. <https://doi.org/10.1080/24750263.2021.1970260>
16. MacKenzie, B. R., Romeo, T., Addis, P., Battaglia, P., Consoli, P., Andaloro, F., & Sarà, G. (2021). New historical data for long-term swordfish ecological studies in the Mediterranean Sea. *Earth System Science Data Discussions, Earth Syst. Sci. Data*, 13, 5867–5877, 2021 <https://doi.org/10.5194/essd-13-5867-2021>
17. Tangherlini, M., Corinaldesi, C., Ape, F., Greco, S., Romeo, T., Andaloro, F., & Danovaro, R. (2021). Ocean Acidification Induces Changes in Virus–Host Relationships in Mediterranean Benthic Ecosystems. *Microorganisms*, 9(4), 769. <https://doi.org/10.3390/microorganisms9040769>



18. Tsangaris, C., Panti, C., Compa, M., Pedà, C., Digka, N., Bains, M., .....Romeo, T & Fossi, M. C. (2021). Interlaboratory comparison of microplastic extraction methods from marine biota tissues: A harmonization exercise of the Plastic Busters MPAs project. *Marine Pollution Bulletin*, 164, 111992. <https://doi.org/10.1016/j.marpolbul.2021.111992>
19. Di Bella M, Pirajno F, Sabatino G, Quartieri S, Barbieri R, Cavalazzi B, Ferretti A, Danovaro R, Romeo T, Andaloro F, Esposito V, Scotti G, Tripodo A, Italiano F (2021). Rolling Ironstones from Earth and Mars: Terrestrial Hydrothermal Ooids as a Potential Analogue of Martian Spherules. *Minerals* 2021, 11, 460. <https://doi.org/10.3390/min110504>
20. Longo, F., Malara, D., Stipa, M. G., Consoli, P., Romeo, T., Sanfilippo, M., ... & Battaglia, P. (2021). Age, growth and Otolith microstructure of the Spotted Lanternfish *Myxophum punctatum* Rafinesque 1810. *Journal of Marine Science and Engineering*, 9(8), 801.. <https://doi.org/10.3390/jmse9080801>
21. Consoli, P., Altobelli, C., Perzia, P., Bo, M., Rosso, A., Alongi, G., Serio, D., Canese, S., Romeo, T., & Andaloro, F. (2021). Species and habitats of conservation interest in the Ecologically and Biologically Significant Area of the Strait of Sicily: a contribution towards the creation of a Specially Protected Areas of Mediterranean Importance. *Mediterranean Marine Science*, 22.
22. Consoli, P., Esposito, V., Battaglia, P., Perzia, P., Scotti, G., D'Alessandro, M., ... & Romeo, T. (2021). Marine litter pollution associated with hydrothermal sites in the Aeolian archipelago (western Mediterranean Sea). *Science of The Total Environment*, 773, 144968. <https://doi.org/10.1016/j.scitotenv.2021.144968>
23. Malara D, Battaglia P, Consoli P, Arcadi E, Longo F, Stipa MG, Pagano L, Greco S, Andaloro F, Romeo T (2021). When opportunistic predators interact with swordfish harpoon fishing activities: shark depredation over catches in the Strait of Messina (central Mediterranean Sea). *THE EUROPEAN ZOOLOGICAL JOURNAL*, ISSN: 2475-0263, doi:<https://doi.org/10.1080/24750263.2021.1879284>
24. Scotti, G., Esposito, V., D'Alessandro, M., Panti, C., Vivona, P., Consoli, P., ... & Romeo, T. (2021). Seafloor litter along the Italian coastal zone: An integrated approach to identify sources of marine litter. *Waste Management*, 124, 203-212. <https://doi.org/10.1016/j.wasman.2021.01.034>
25. Salvati E, Giusti M, Canese S, Esposito V, Romeo T, Andaloro F, Bo M, Tunesi L (2021). New contribution on the distribution and ecology of *Dendrophyllia ramea* (Linnaeus, 1758): abundance hotspots off north-eastern Sicilian waters. *Aquatic Conserv: Mar Freshw Ecosyst*. 2021;31:1322–1333
26. Malara D., Longo F., Pagano L., Stipa M.G., Romeo T., Andaloro F., Greco S., Battaglia P. 2021. Age and growth of pompano, *Trachinotus ovatus*, from the Strait of Messina (central Mediterranean Sea). *Sci. Mar.* 85(3): 175-185.
27. Battaglia P., Pagano L., Consoli P., Esposito V., Granata A., Guglielmo L., Pedà C., Romeo T., Zagami G., Vicchio T.M., Guglielmo R., Andaloro F., 2020. Consumption of mesopelagic prey in the Strait of Messina, an upwelling area of the central Mediterranean Sea: feeding behaviour of the blue jack mackerel *Trachurus picturatus* (Bowdich, 1825). *Deep-Sea Research Part I* 155, 103158.
28. Consoli P, Scotti G, Romeo T, Fossi MC, Esposito V, D'Alessandro M, Battaglia P, Galgani F, Figurella F, Pragnell-Raasch H, Andaloro F. (2020). Characterization of seafloor litter on Mediterranean shallow coastal waters: evidence from Dive Against Debris®, a citizen science monitoring approach. *Marine Pollution Bulletin*. <https://doi.org/10.1016/j.marpolbul.2019.110763>
29. Sinopoli M, Cillari T, Andaloro F, Berti C, Consoli P, Galgany F, Romeo T. (2020). Are FADs a significant source of marine litter? Assessment of released debris and mitigation strategy in the Mediterranean sea. *Journal of Environmental Management*, 253, 109749. <https://doi.org/10.1016/j.jenvman.2019.109749>
30. D'Alessandro M, Porporato E, Esposito V, Giacobbe S, Deidun A, Nasi F, Ferrante L, Auriemma R, Berto D, Renzi M, Scotti G, Consoli P, Del Negro P, Andaloro F, Romeo T. (2020). Common patterns of functional and biotic indices in response to multiple stressors in marine harbours ecosystems *Environmental Pollution*. <https://doi.org/10.1016/j.envpol.2020.113959>
31. Consoli P, Sinopoli M, Deidun A, Canese S, Berti. S., Andaloro F, Romeo T. (2020). The impact of marine litter from fish aggregating devices on vulnerable marine benthic habitats of the central Mediterranean Sea. *Marine Pollution Bulletin*, 152, 110928 <https://doi.org/10.1016/j.marpolbul.2020.110928>

32. Malara D., Battaglia P., Consoli P., Arcadi P., Canese S., Greco S., Andaloro F., Romeo T. 2020. Evidence of a predation event on a tagged Mediterranean spearfish (*Tetrapturus belone*; Pisces, Istiophoridae), inferred from pop-up satellite tagging data. *Aquatic Living Resources*, DOI: 10.1051/alr/2020024
33. Schirinzi G.F., Pedà C., Battaglia P., Laface F., Galli M., Bainsi M., Consoli P., Scotti G., Esposito V., Faggio C., Farré M., Barcelò D., Fossi M.C., Andaloro F., Romeo T. (2020). A novel basic/acid digestion protocol for microplastics extraction from gastrointestinal tracts (GITs) of common dolphinfish (*Coryphaena hippurus*). *Journal of Hazardous Materials*, <https://doi.org/10.1016/j.jhazmat.2020.122794>
34. Pedà, C., Battaglia, P., D'Alessandro, M., Laface, F., Malara, D., Consoli, P., ... & Romeo, T. (2020). Coupling gastro-intestinal tract analysis with an airborne contamination control method to estimate litter ingestion in demersal elasmobranchs. *Frontiers in Environmental Science*, 119. doi: 10.3389/fenvs.2020.00119
35. Savoca S, Bottari T, Fazio E, Bonsignore M, Mancuso M, Luna GM, Romeo T, D'Urso L, Capillo G, Panarello G, Greco S, Compagnini G, Lanteri G, Crupi R, Neri F, Spanò N. 2020. Plastics occurrence in juveniles of *Engraulis encrasicolus* and *Sardina pilchardus* in the southern Tyrrhenian Sea. *Science of the Total Environment*, under review IF 5.589
36. Romeo T., Battaglia P., Macaluso D., Tagliavia G., Vicchio T.M., Falautano M., Serena F., Andaloro F., 2020. When prey becomes killer: does a double lethal attack on a blue shark reveal a precise defensive strategy in young swordfish? *Journal of the Marine Biological Association of the United Kingdom*, DOI: 10.1017/S0025315420000661
37. Rumolo P., Bonanno A., Genovese S., Romeo T., Mazzola S., Basilone G., Gherardi S., Battaglia P., Andaloro A., Barra M., 2020. Growth-related trophic changes of *Thunnus thynnus* as evidenced by stable nitrogen isotopic values in the first dorsal spine. *Scientific Reports* 10: 9899. DOI: 10.1038/s41598-020-66566-w
38. Battaglia P, Smith D, Ammendolia G., Cavallaro M, Maggio T, Consoli P, Guerrera M.C, Andaloro F, Romeo T. 2019. The last stage of life history of the European conger, *Conger conger* (Linnaeus 1758): a transformation before death. *Journal of fish biology*. DOI: 10.1111/jfb.14223.
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## Conference proceedings

- 1. Federica Laface, Cristina Pedà, Francesco Longo, Francesca De Domenico, Riccardo Minichino, Pierpaolo Consoli, Pietro Battaglia, Silvestro Greco, Teresa Romeo. Evidence of microplastics ingestion in two commercial cephalopod species: *Octopus vulgaris* and *Sepia officinalis*. XV. International Marine Pollution and Management Conference. November 11-12, 2021. Rome, Italy
- 2. Mancuso M., Arcadi E., Malara D., Sanfilippo M., Battaglia P., Andaloro F., Spanò N., Romeo T. 2020. A pre-screening of the presence of antibiotics in traces in two large pelagic in the Strait Messina. EVOLMAR 2020, 23-25 Novembre
- 3. Arcadi E., Mancuso M., Sanfilippo M., Malara D., Andaloro F., Esposito E., De Vittor C., Romeo T. Multidrug-resistant bacteria isolated from the shallow hydrothermal vent system of Panarea (Aelian Islands) EVOLMAR 2020, 23-25 Novembre
- 4. Italiano F., Di Bella M., Sabatino G., Barbieri R., Cavalazzi B., Ferretti A., Danovaro R., Romeo T., Andaloro F., Esposito V., Tripodo A., Scotti G., Quartieri S.2109. Hydrothermal iron ooids on Earth as homologues of hematite spherules discovered on Mars. Parma, Settembre
- 5. Romeo T, Esposito V, Canese S, Spagnoli F, Bortoluzzi G, De Vittor C, Andaloro F. 2019. A multidisciplinary approach applied to a shallow hydrothermal field of the Panarea Volcanic complex for responsible management. EGU General Assembly 7-12 April. Poster
- 6. Bonanno A, Barra M, Genovese S, Basilone G, Romeo T, Battaglia P, Andaloro F, Rumolo P. 2019. Growth-related trophic changes of *Thunnus thynnus* as evidenced by stable carbon and nitrogen isotopic values in the first dorsal spine. EGU General Assembly 7-12 April. Oral presentation.
- 7. C. Pedà, M. D'Alessandro, F. Laface, P. Battaglia, P. Consoli, F. Longo, F. Andaloro, T. Bottari, S. Raicevich, S. Greco, G. Sabatino, M.T. Caccamo, S. Magazù, T. Romeo, 2019. Occurrence of anthropogenic litter in the stomach contents of demersal elasmobranchs from the Southern Tyrrhenian Sea. The 23rd European Elasmobranch Association Meeting. Abstract book: 86. Poster.
- 8. G. Schirinzi, C. Pedà, F. Andaloro, M. Bainsi, P. Battaglia, M. D'Alessandro, M. Genovese, M. Farré, C. Panti, M.C. Fossi, T. Romeo, 2019. Occurrence of microplastics in gastrointestinal tracts (GITs) of *Coryphaena hippurus* from Mediterranean Sea.  $\mu$ MED 2019, International Conference on Microplastics Pollution in the Mediterranean Sea. Poster.
- 9. V. Bernarello, C. Pedà, P. Battaglia, M. Albo, G. Rotland, M. Špika, T. Romeo, F. Andaloro, A. Štambuk, M. Baltazar-Soares, J. B. Company, R. M. Cegonha, M. R. Partidario, M. B. Monteiro, S. Raicevich, 2018. Local Ecological Knowledge (LEK) as a support for *Octopus vulgaris* fisheries management. FISHFORUM2018. Abstract book: 302-303. Poster.
- 10. M. Bainsi, C. Pedà, M. Galli, T. Martellini, A. Cincinelli, T. Romeo, M.C. Fossi, 2018. PAEs level in European sea bass (*Dicentrarchus labrax*) experimentally exposed to PVC microplastics. MICRO2018 Fate and Impact of Microplastics: Knowledge, Actions and Solutions. International Conferences. Abstract book: 282-283. Poster.
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- 14. P. Consoli, T. Romeo, C. Altobelli, S. Canese, P. Battaglia, L. Castriota, M. Falautano, C. Pedà, P. Perzia, M. Sinopoli, V. Esposito, F. Andaloro, 2017. Abbondanza e composizione del seafloor litter nello Stretto di Sicilia. Convegno Accademia Nazionale dei Lincei ed Enea. Marine litter: da emergenza ambientale a potenziale risorsa. Abstract book: 50. Poster.
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- 18. Battaglia P., Perzia P., Esposito V., Consoli P., Andaloro F., Romeo T. - Development, crisis and new scenarios of the Italian swordfish harpoon fishery. Meeting: Historical ecology of semi-enclosed basins: past, present and future of seas at risk. Chioggia (Venice, Italy), 3-4 October 2016.
- 19. Raicevich S., Grati F., Giovanardi O., Sartor P., Sbrana M., Silvestri R., Bains R., Andaloro F., Battaglia P., Romeo T., Spagnolo M., Dubois M. - Stato, gestione e prospettive della pesca artigianale in Italia. 47° Congresso SIBM, Torino, 13-17 giugno 2016.
- 20. Crosti R., Arcangeli A., Romeo T, Vivona P. Andaloro F. 2016. Spiaggiamenti di cetacei e capacità di pesca in Sicilia. *Biologia Marina Mediterranea* 23(1): 322-323. 47° Congresso SIBM Torino
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- 25. T. Romeo, M. D'Alessandro, S. Giuliani, A. Deidun, A. Mazzola, P. Consoli, A. Martino, V. Esposito, P Vivona, S. Macchia, D. Sartori, G. Valastro, F. Andaloro. 2014. Assessing shipping-mediated impacts and environmental quality within the Grand Harbour, Valletta (Maltese Islands, Central Mediterranean). Conference Paper. SETAC North America 35th Annual Meeting. November 2014
- 26. Consoli P., Castriota L., Falautano M., Battaglia P., Esposito V., Romeo T., Sinopoli M., Vivona P., Andaloro F. - Trawling in the Strait of Sicily (central Mediterranean sea) ... above an unexpected maërl bed. 2014 Symposia on the conservation of Mediterranean marine key habitats, Portorož, Slovenia, 27-31 ottobre 2014, poster.
- 27. Bortoluzzi G., Spagnoli F., Aliani S., Romeo T, Canese S., Grassi M., Masetti G., DIALTI L., Cocchi L., Muccini F., Lacono V., Yakimov M., Ligi M., Giordano P., Franchi F., Ferrante V., Borgognoni L., Tudino T., Esposito V., La Spada G., Guideri M., Ivaldi R., Filippone M., Pratellesi M., Marziani F., Niccolini A., Barbieri E., Capaccioni B., Andaloro F. (2014). New geological, geophysical and biological insights on the hydrothermal system of the Panarea Basiluzzo Volcanic complex (Aeolian Islands, Tyrrhenian Sea).. In: Congresso SGI-SIMP. Milano, 10-12 settembre.
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- 33. Perzia P., Battaglia P., Vivona P., Andaloro F., Romeo T. - Un GIS per la valutazione della presenza del pesc spada nello Stretto di Messina e nei mari limitrofi. 14° Conferenza Italiana Utenti ESRI. Roma, 16-18 Aprile 2013, poster. Turkey, 23-27 September 2013..



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- 36. Consoli P., Mazza G., Battaglia P., Romeo T., Incontro V., Andaloro F. - The effects of protection measures on fish in the Plemmirio’s Marine Reserve (Central Mediterranean Sea, Italy): an example of well-enforced reserve. 47° European Marine Biology Symposium, Arendal (Norvegia), 3-7 Settembre 2012.
- 37. Musolino S., Battaglia P., G. Ammendolia, Esposito V., Consoli P., Romeo T., Andaloro F. - Presenza e dieta di giovanili di pesci medusivori (Centrolophidae e Nomeidae) nello Stretto di Messina (Mediterraneo centrale). 43° Congresso SIBM, Marina di Camerota (SA), 4-8 giugno 2012.
- 38. D’Alessandro M., Esposito V., Mangano M.C., Giacobbe S., Romeo T (2012). Studio preliminare delle comunità macrobentoniche di fondo mobile in un’area industrializzata (Golfo di Milazzo). In: 43° Congresso della Società Italiana di Biologia Marina (SIBM). Marina di Camerota (SA), 4-8 giugno..
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- 41. Pedà C., Battaglia P., Scuderi A., Voliani A., Mancusi C., Serena F., Andaloro F., Romeo T., 2011. Cephalopods in the diet of striped dolphin *Stenella coeruleoalba* (Meyen, 1833) and bottlenose dolphin *Tursiops truncatus* (Montagu, 1821) stranded along the coasts of the Tuscany (North-Western Mediterranean Sea). 25th Annual Conference of the European Cetacean Society (Cádiz, Spain)
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- 48. Romeo T., Battaglia P., Ancora S., Esposito V., Bianchi N., Andaloro F. – DPSIR model as tool for an integrated coastal management in the Aeolian Islands. 41° S.I.B.M. Congress, Rapallo (Ge), 7-11 June 2010.

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## CLOSING STATEMENT

*I hereby declare that all the above information is true, aware of the criminal liability provided for in Articles 46 and 47 of the D.P.R. 445/2000, for the hypothesis of falsehood in acts and false statements.*

Signature



*I authorize the processing of my personal data according to art. 13 of D. Lgs. 196/2003 and art. 13 of EU Regulation 2016/679 on the protection of individuals with regard to the processing of personal data.*

Signature



*Messina, 10/05/2023*