

MARIARITA CARACCILO

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KEY SKILLS

- Excellent adaptation, communication and organizational skills;
- International field experiences, team-orientated work ethic;
- Marine sampling technique and statistical analyses of biological data (MATLAB and R);
- Resourcefulness, positive attitude, action-oriented and responsible.

EDUCATION AND TRAINING

UNIVERSITE' PARIS-SORBONNE, STATION BIOLOGIQUE DE ROSCOFF, FRANCE

From October 2018 to October 2021 - ED227 Ph.D. on seasonal succession of plankton. Time series analyses (SOMLIT-Astan, Roscoff).

UNIVERSITA' DEL SALENTO, LECCE, ITALY

From October 2016 to July 2018 - Master in Coastal and Marine Biology and Ecology. Title achieved with marks: 110 e lode/110.

Final theses: "Seasonal succession in the North sea: CPR observations and modelization through the METAL theory".

DOUBLE DEGREE AND ERASMUS + AT STATION MARINE DE WIMEREUX

UNIVERSITE' DE LILLE, FRANCE

From February 2018 to June 2018 - Master 2 Fonctionnement et Gestion des Ecosystèmes Marins (FOGEM). Title achieved with marks: 15,25/20.

UNIVERSITA' DEGLI STUDI MILANO BICOCCA, MILAN, ITALY

From 2012 to October 2015 - Degree in Biological Sciences. (Class L-13- Biology)

Title achieved with marks: 93/110.

Final thesis: "Thanatofacies of the deep coral formation in S. Maria di Leuca"

HIGH SCHOOL PAOLO GIOVIO, COMO, ITALY

From 2007/2008 to 2011/2012 - Second Level College of Science Paolo Giovio.

GAINED EXPERIENCE

UNIVERSITE' PARIS-SORBONNE, STATION BIOLOGIQUE DE ROSCOFF, FRANCE

1st October 2018 up to present - Seasonal succession of plankton

- R analyses on morphologic and metabarcodes data (SOMLIT-Astan);
- Characterization of the seasonal succession and description of the pattern of species abundance and diversity;
- Analyses of the hydrology and climate influence on the community;
- Building of a species interaction network to analyse the resilience of the system.

INSTITUTE OF ENVIRONMENTAL ASSESSMENT AND WATER RESEARCH - SPANISH COUNCIL FOR SCIENTIFIC RESEARCH, BARCELONA

5-7 November 2018 – Sequence analysis for microbial ecology

- Introduction and discussion of current pipelines of analyses of sequencing data: 16S amplicon sequencing, read-based annotation meta-omics, assembly-based annotation meta-omics;
- R/tidyverse for data science.

UNIVERSITE' SORBONNE - ILLICO TIME SERIES

29-31 November 2018 – Atelier series chronologiques

- General analyses for time series (Package TTTA, test de tendance, decomposition and deseasonalization, Mann Kendall, ARIMA, Dynamic Linear Model, Empirical Dynamic Modelling).

INTERNSHIP - STATION MARINE DE WIMEREUX, FRANCE

8 February-8 July 2018 – Modelization of seasonal successions

- Computer programming: statistical analyses and modelling performed using MATLAB under the supervision of Dr Gregory Beaugrand (CNRS);
- To model and identify recurrent patterns in seasonal succession using the MacroEcological Theory on the Arrangement of Life (METAL);
- To test prediction with observed data in different regions;
- To examine how biodiversity and phenology may change in the context of global climate change.

STATION BIOLOGIQUE DE ROSCOFF, FRANCE

7-30 August 2017 – Summer school « Biodiversité marine, expertise faune »

- Systématique actuelle des phylums de Métazoaires;
- Anatomie et biologie des invertébrés marins : éponges, cnidaires ; annélides, mollusques, crustacés, bryozoaires, échinodermes, chordés...
- Pratique des outils d'identification taxonomique;
- Savoir interpréter les habitats littoraux et côtiers avec leurs espèces caractéristiques.

MARINE PROTECTED AREA OF PUNTA CAMPANELLA – UNIVERSITY OF THE STUDIES OF NAPLES

26 June - 1 July 2017 – Practical and theoretical course on marine biology

- Biogeography and Mediterranean formation;
- Marine ecology: Plankton, Nekton, Benthos;
- Systematics and evolution, marine organisms and adaptation;
- Diving sampling techniques and analyses;
- Underwater photography introduction;
- Protection of marine environment and MPA.

STATION BIOLOGIQUE DE ROSCOFF, FRANCE

March 2017 - Schmidt Training Course on “Established and Emerging Model Organisms for Marine Science”

- Evolutionary developmental biology (evo-devo);
- Ecological developmental biology (eco-devo);
- Regeneration;
- Origin of metazoans;
- Cellular morphogenesis;
- Comparative genomics;
- Behavioural studies.

ONE YEAR EXPERIENCE IN AUSTRALIA

November 2015 - July 2016 - Working experiences in different fields in Brisbane, Melbourne and Sydney.

UNIVERSITY OF UDINE, FRIULI VENEZIA GIULIA, LUSEVERA (UD), ITALY

March 2015 - Stage about techniques of monitoring and capturing of the alpine warm-blooded fauna in the natural park of the “Prealpi Giulie”.

- Snow Tracking and search with the dogs, collecting and preserving of biological material;
- Videos and camera trapping employing baits attraction;
- Monitoring of nighttime predatory with acoustic stimulation: Jackal/Wolf Howling;
- Censuses sight of tetraonidae.

UNIVERSITY OF MILANO BICOCCA, DAHAB, EGITTO

September/October 2013 - Stage of marine tropical ecology at the diving center of Dahab.

- Formation, geomorphology and sedimentology of the madreporic reef in the Red sea;
- Non-destructive sampling techniques;
- Systematic and zonation of the zoobenthos;
- Systematic and morphology of Cnidarian, symbiosis in the marine environment;
- Mangroves ecosystem;
- Diving and research with data collection. Utilization of some equipment: tape, square, underwater camera.

UNIVERSITY OF MILANO BICOCCA, MAGOODHOO, FAAFU ATOLL, MALDIVES

February 2013 - Stage of marine tropical ecology at the Center of High formation and research, Magoodhoo island, Maldives.

- Systematic and zonation of the zoobenthos of the madreporic reef;
- Non-destructive techniques, vision sampling (Bionomic Transect, Point Intercept Transect and Line Intercept Transect);
- Symbiosis and coral diseases;
- Ecology and identification of the principal family of fishes belonging to the coral reef (Fish Belt Transect);

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- Phanerogams and conservation ecology.

RECOVERY CENTER FOR THE MARINE TURTLES (NO PROFIT ASSOCIATION) BRANCALEONE, REGGIO CALABRIA

June-July 2013 - Principal target: safety and safeguard of marine turtles of the species *Caretta Caretta*.

Tasks: feed and treat the turtles until they were ready to go, then free them. Teaching visitors something more about their biology.

RENNERT SUMMER PLUS, ENGLISH LANGUAGE ACHIEVEMENT, MIAMI, FLORIDA
July 2011 - English course with a specialization in “marine environment”.

CERTIFICATIONS AND LANGUAGES

- Fluent in ENGLISH: A year experience in Australia, IELTS - score 6.5;
 - Fluent in SPANISH: DELE - nivel intermedio B2;
 - Good in FRENCH: Erasmus+ in Lille (6 months) and currently living in France.
 - DIVING Licence issued by UTRtek, Advanced scuba diver - (30m);
 - Diplome at the school of theatre “Teatro in Centro” of Ester Montalto – 6 years (Como, Italy)
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