



Francesco Fabiano

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WORK EXPERIENCE

Ph.D Student

Università degli Studi di Palermo (DiSTeM) & Sicily Marine Centre (SZN-ME) [01/11/2023 – Current]

City: Messina (ME) | Country: Italy

Dottorato di interesse nazionale (DIN) on Biodiversity XXXIX cycle a.a. 2023/2024. Main partner is University of Palermo in collaboration with NBCF and SZN.

The project is conducted within the project PNRR "NBFC" (National Biodiversity Future Center - SPOKE 2 - AA1.1 Fishery & Biodiversity) and aims at providing new scientific knowledge and an overall comprehensive description of the biodiversity and ecological role played by seamounts and upwelling areas for fishery resources.

Fellow

Stazione Zoologica Anton Dohrn [16/02/2023 – 30/10/2023]

City: Messina | Country: Italy

Fellowship contract for post-lauream research within the Project CRIMAC "Centro ricerche ed infrastrutture marine avanzate in Calabria (CRIMAC)" Bacterial and virUSES as contaminants of Emerging concern in CALabrian marine environments: new tools for their occurrence, distribution and dynamics - Blue-(H)ealthy (PI Carmen Rizzo). The research activity is aimed at collecting samples from marine environments for the study of microbial communities through NGS approach, and the isolation of cultivable bacterial strains as indicators of contamination. Extraction of DNA and RNA, amplification, counting, isolation and maintenance of bacterial isolates. Bioinformatics workflow for metagenomics approaches.

Microbiologist

Molecular genetic laboratory. Department of biology, geology and environmental science. [16/02/2022 – 20/07/2022]

City: Catania | Country: Italy

Internship aimed at drafting a final experimental master's thesis. Genetic characterization of microbial life forms belonging to freshwater environments (grey water). Metagenomics and bioinformatics workflow.

Palaeontologist

Paleoecology laboratory. Department of biology, geology and environmental science. [24/06/2020 – 26/11/2020]

City: Catania | Country: Italy

Internship aimed at writing an original thesis work. Study of the relationships between aquatic organisms with peculiar ecological characteristics and the related symbiotic communities located in the eastern district of the Strait of Sicily.

EDUCATION AND TRAINING

Master Degree in Environmental Biology LM-06

Università degli studi di Catania [26/11/2020 – 20/07/2022]

City: catania | Country: Italy | Website: <http://www.dipbiogeo.unict.it/> | Field(s) of study: Natural sciences, mathematics and statistics: • Biological and related sciences not further defined • Natural environments and wildlife | Final grade: 110/110 e lode | Thesis: Stima comunità microbiche presenti in acque grigie trattate con un metodi di filtrazione inorganici (Progetto GREY WATER CIPROBELL MCAST Malta)

LANGUAGE SKILLS

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

French

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Linux (Ubuntu), Python, QIIME2 (for illumina Miseq/Hiseq Sequences), R packages / R / Rstudio / Use of Bioinformatic tools (i.e. BLAST, PyMOL...) / Geneious Prime Phylogenetic Tools BioEdit MEGA PAUP MrBayes PhyML

PUBLICATIONS

[2023]

E. Arcadi, C. Rizzo, R. Calogero, V. Scutтери, F. Fabiano, P. Consoli, F. Andaloro, T. Romeo. (2023). Microbial communities inhabiting shallow hydrothermal fields as sentinels of acidification processes Keywords: shallow hydrothermal vents, acidification effects, microbial communities, redox potential, extremophiles

Frontiers

[2024]

PCB bioremediation potential of thermophilic strains from shallow hydrothermal vent (Vulcano Island) (2024) Marine Pollution Bulletin

Rosario Calogero; Erika Arcadi; Francesco Fabiano; Carmen Rizzo; Teresa Romeo; Silvestro Greco.

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".



23/05/2024

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