

CURRICULUM VITAE

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Martina Pezzimenti



Coral Ecology & Biology Lab
Marine Science Group
Department of Biological, Geological and Environmental Sciences
Alma Mater Studiorum – University of Bologna
Via F. Selmi 3
I-40126 Bologna, Italy
European Union

Tel: +39 0512094244
Mobile: +39 3426705239
E-mail: martina.pezzimenti@marinesciencegroup.org

Home: Via Giuseppe Bentivogli, 11, 40138, Bologna, Italy, European Union

Nationality: Italian
Date of birth: 03/12/1994
Place of Birth: Messina
Gender: Female
Marital Status: Single

EDUCATION

- 10/03/2020 University of Bologna
Master of Science (M.Sc.) in Biodiversity and Evolution | 108/110
Thesis title: "Characterisation of the bacterial microbiome associated to the non-zooxanthellate coral *Astroides calycularis* living under natural ocean acidification at Ischia CO2 vents".
- 27/07/2017 University of Messina, Messina
Bachelor of Science (B.Sc.) in Natural and Environmental Sciences |107/110
Thesis title: "The role of Vibrios in coral mortality" – case study: the role of *Vibrios* in bleaching events of the Mediterranean coral *Paramuricea clavata*.
- 2013 **High School Diploma.**
Scientific High School "Galileo Galilei", Italy.

AREAS OF SCIENTIFIC INTERESTS

Biology – Aquatic Microbial Ecology – Environmental microbiology - Climate Change

ACADEMIC PROFESSIONAL EXPERIENCE

- 05/2018 – 03/2020 **Research internship at the Coral Ecology and Biology lab**
Marine Science Group, Department of Biological, Geological, and Environmental Sciences (BiGea, University of Bologna (Italy)).
Research project: response strategies to ocean acidification: morphological plasticity and microbial ecosystem variations in corals (STRAMICRO).
- 07/2018 – 11/2018 **Research internship at the Microbiology lab (Unit of Microbial Ecology of Health)**
Department of Pharmacy and Biotechnology (FaBiT) – University of Bologna (Italy).
- 09/2016 – 07/2017 **Internship at the Laboratory of Aquatic Microbial Ecology**
Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina (Italy).
Research and identification of pathogenic bacteria through cultural and molecular techniques for environmental analyses.

LANGUAGES

- Mother tongue **Italian**
- Other Languages **English level B2**
03/2019 IELTS Academic certificate – score 6.0
06/2011 English course - Institute of English Language Studies (IELS), Malta
- 2018 **Spanish level B1**
Placement test at the Language Center (CLA) of the University of Bologna.

SOCIAL AND ORGANIZATIONAL SKILLS AND COMPETENCES

Good interpersonal-communication skills and work in dynamic environments, both in team and individual. Good organizational skills.

TECHNICAL SKILLS AND COMPETENCES

Excellent ability to manipulate biological and chemical substances, preparation of culture media for microbiological analyses, knowledge of the main isolation techniques on plate, objects and workspace sterilization methods, water filtration for quality analysis (research of faecal contamination indicators), phenotypic characterization of microorganisms, microbial DNA extraction (from water, soil, tissues, cotton swab), Next Generation Sequencing (Illumina), PCR, real-time PCR, agarose gel electrophoresis.

Good use of laboratory instruments such as: membrane filtration apparatus, specific glassware, magnetic stirrer, electronic analytical balance, autoclave, shaking water bath, thermostatic bath, sonicator, vortex mixer, microbiological incubator, laminar flow chamber, centrifuges, spectrophotometer (NanoDrop), fluorometer (Qubit), PCR thermocycler, optical microscope and FastPrep instrument.

COMPUTER SKILLS

Good knowledge of Windows and Mac OS operating system. Good knowledge of Microsoft Office (Microsoft Word, Microsoft Excel and Microsoft PowerPoint). Good knowledge of GIMP software for image editing. Excellent use of a computer for scientific research and Internet highly skilled. Basic knowledge of R and RStudio softwares for bioinformatic analysis. Good knowledge of the NCBI data bank (National Center for Biotechnology Information).

SCIENTIFIC PUBLICATIONS

Elena, B., Erik, C., Monica, B., **Martina, P.**, Nuria, T., Matteo, S., Simone, R., Silvia, T., Maria Cristina, G., Patrizia, B., & Stefano, G. (2020). Patterns in microbiome composition differ with ocean acidification in anatomic compartments of the Mediterranean coral *Astroides calycularis* living at CO₂ vents. **Science of The Total Environment, 138048.ISO 690**

RESEARCH PROJECT PARTICIPATION

05/2017 – actually Research member in the project “Response strategies to ocean acidification: morphological plasticity and microbial ecosystem variations in corals (STRAMICRO)”
Department of Biological, Geological, and Environmental Sciences (BiGea) – University of Bologna

OTHER QUALIFICATIONS

2019 Scientific Diving Lab Diver – Professional Association of Diving Instructors (PADI).

2018 Advanced Open Water Diver. Scuba Schools International (SSI).

2017 Open Water Diver. Scuba Schools International (SSI).

2017 Participation in the course on Health and Safety in Study and Research Areas – University of Bologna

2016 Certificate of participation for the course “D.Lgs. 81/08 and laboratory safety” relating to chemical, physical and biological risk (Path of Excellence in Science, PES) – University of Messina

2014 Driving licence B.