

MATTEO BARBATO

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Researchgate: https://www.researchgate.net/profile/Matteo_Barbato3

Age: 27; **Nationality:** Italian

MARINE BIOLOGIST

KEY QUALIFICATIONS:

- ❖ **Planning, executing, reporting and presenting scientific research:** After several experiences in marine-related research, I have built up confidence in carrying out duties independently, under supervision and in team working. I have developed scientific critical thinking and literature review skills. I always willing to discuss and improve my work and ideas with colleagues as well as to learn new skills and techniques.
- ❖ **Underwater photography and advanced-rescue (CMAS) SCUBA diver:** I have been diving since 2011 (specialties in rescue, night, deep, dry suite). Since 2016 I have taken on the activity of underwater photography and filmmaker.
- ❖ **Sailing and engine boating license:** In February 2017, I obtained this qualification that allowed me to work as assistant skipper and sailing instructor at the Sailing Club Ventotene (IT).

SCIENTIFIC RESEARCH EXPERIENCE:

University of Padova, Department of Biology, *Padova, Italy*
Phd student – Supervisor Prof. Carlotta Mazzoldi

October 2018 – present

- Conducting conventional tagging to shark species and evaluation of bycatch in semi-industrial fishery
- Genetic analysis by the use of microsatellite to study population structure and reproductive strategy of shark species.

University of Sydney, MEEP laboratory, *Sydney, Australia*
Research assistant – Supervisor Dr. Mark de Bruyn

Jan 2018 – ongoing affiliation

- Conducting dietary studies on marine megafauna such as devil rays (*M. kuhlii*) and sharks (*S. mokarran* and *C. limbatus*) by DNA metabarcoding using stomach content samples.
- In charge of sample collection, experimental design and execution and processing results.

PUBLICATION:

Barbato, M., Kovacs, T., Coleman, M., Broadhurst, M. and de Bruyn, M. (2019). Metabarcoding for stomach-content analyses of Pygmy devil ray (*Mobula kuhlii* cf. *eregoodootenkee*): Comparing tissue and ethanol preservative-derived DNA. *Ecology and Evolution*. DOI:10.1002/ece3.4934

STUDENT RESEARCH EXPERIENCE:

PIE, Marine research station, *Plentzia, Spain*

Feb – Sep 2016

MSc researcher assistant - Dr. M. Ortiz Zarragoitia and Dr. E. Bilbao

University of Viterbo, Microbiology department, *Viterbo, Italy*

May-Jul 2014

BSc researcher assistant – Supervisor Prof. Massimiliano Fenice

Lund University, Aquatic ecology department *Lund, Sweden*
Intern researcher – Supervisor Prof. Lars-Andres Hansson

Apr - Jun 2013

EDUCATION

Erasmus Mundus MSc in Marine environment and resources, MER Consortium , *University of Southampton (UK), University of Basque Country (ES), University of Liege (BE)*

Sep 2014 –Sep 2016

Final grade B - (7.43/10)

Erasmus exchange program, *University of Lund (SWE)*

Aug 2012–Jun.2013

BSc in Biological science, *University of Viterbo (IT)*, Grade Average (26/30) – Final grade (100/110)

Oct 2010 – Jul 2014

AWARD

- ❖ Full Phd scholarship at the University of Padova (2018-2021)
- ❖ “Torno Subito” mobility grant (2018)
- ❖ MER Consortium mobility grant (2014-2015 and 2015-2016)
- ❖ Erasmus scholarship (2012-2013)

LANGUAGES SKILLS:

Italian (*mother tongue*); **English –IELTS** (*fluent*); **Spanish** (*advanced*) **French** (*basic*)

OTHER SKILLS:

Scientific critical thinking

Creative and intuitive thinking

Fast learner

Team working

Goal-directed

Resourceful

ADDITIONAL INFORMATION:

Research equipment: Spectrophotometer, CTD, electrophoresis, PCR, qPCR

Computer Skills: MS office, Linux (unix) and Window operating system

Bioinformatics software: Blast, OBITool, Geneious, Usearch,

Statistical Software: SPSS and R studio;

Other software:GIS (*basic*), Photoshop and Premiere Adobe

Driving license: A and B