

PERSONAL INFORMATION

Serena Abel



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🗣 Serena Abel

Sex Female | Date of birth 07/06/1991 | Nationality German/Italian

WORK EXPERIENCE

01/10/2018–Present

WISSENSCHAFTLICHE MITARBEITERIN (DOKTORANDIN)

Senckenberg Gesellschaft für Naturforschung, Frankfurt am Main (Germania)

PhD candidate at the Mathematics-Natural Science Faculties of the Johann Wolfgang Goethe University of Frankfurt am Main.

- Provisional title of doctoral thesis The role of hadal zones in the long-term fate of marine microplastics: Identification of microplastics in the deep sea of the Kuril-Kamchatka Trench, Northwest Pacific (Deep-MiPoll).
- Collaboration with AWI Helgoland to conduct FTIR Spectroscopy Systems (including FTIR Imaging) for the analysis of synthetic polymers (microplastics) and the Raman Imaging System for the identification and analysis of hadal microplastics from the Kuril-Kamchatka Trench.

24/05/2018

ICCAT observer for BFT

confrepeche, Paris (France)

- evaluate compliance with the Recommendations and provide a means of independently estimating the mass balance of fish caught and delivered to farms and subsequently removed during harvesting.
- Observing and reporting on fishing and transfer operations and the compliance of the vessels involved
- verification and signing of ICCAT transfer declaration
- carrying out scientific work

03/04/2017–28/09/2017

Trainee

Universidade do Algarve Centre for Marine and Environmental Research (CIMA), Portugal., Faro (Portogallo)

Traineeship: Ecotoxicological effects of microplastics in aquatic organisms.
programme:

- Literature review on ecotoxicological effects of microplastics to marine organisms;
- Assess the toxicity of different types of microplastics in the marine bacterium *Vibrio fischeri*, using the MICROTOX bioassay;
- Assess the effects of microplastics using a battery of biomarkers (antioxidant enzymes activities, oxidative damage, neurotoxicity, etc) in different tissues of the clam *Scorbicularia plana*.

15/06/2016–15/11/2016

Reef check Italia, Onlus. (Italy)

Monitoring of marine environment of sessile species at the Sardinian coast in collaboration with Diving centre Costa Paradiso, University Politecnica of Marche and Reef check Italy.

15/09/2016–15/12/2016

Trainee

Fondazione Cetacea, centre for Sea Turtles and cetaceans Research and Hospital, Onlus, Riccione Italy., Riccione (Italy)

Biologist of the centre.

Main duties and responsibilities: rehabilitation of Caretta caretta specimens, The study of the main reasons for beaching, principal diseases and human impact on the Adriatic population of sea turtles and marine mammals.

07/01/2013–22/01/2015

Fondazione Cetacea, centre for Sea Turtles and cetaceans Research and Hospital, Onlus, Riccione Italy., Riccione (Italy)

Internship training and guidance at the NGO: Cetacean Foundation.

Main duties and responsibilities:

- Maintenance of tanks care and relief of parameters feeding sea turtles
- Bibliographic research Data processing
- Disinfection and weighing sea turtles Biometric reliefs
- Radiography of turtles
- Necropsy and analysis of tissue specimens of "Caretta caretta" Field surveys in Numana
- Preparation and organization of the "NetCet" rescue center workshop

EDUCATION AND TRAINING

2014–2017

Second Level degree in Marine Biology and Ecology

EQF level 7; Field of education 0511

Università Politecnica delle Marche, DISVA, Ancona (Italy)

Thesis:

OCCURRENCE AND CHARACTERIZATION OF MICROPLASTICS IN MARINE ORGANISMS FROM ADRIATIC COAST. (EPHEMARE PROJECT)

2010–2014

Bachelor degree in Biology

EQF level 6; Field of education 0511

Università Politecnica delle Marche, Ancona (Italy)

2005–2010

Scientific degree

EQF level 4

Liceo Scientifico Marconi, Pesaro (Italy)

PERSONAL SKILLS

Mother tongue(s)

German, Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B1	B1	B1	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/files/quest_doc/CEFR/CEFR%20EN.pdf)

Job-related skills

Lifeguard patent Sea / Indoor / Pool (MIP) (Ref. EMI-825/2013-62).

Qualification of assistant lifeguard in the sea and swimming pool, which also includes Emergency First Responder

Diving Licence: Advance Level PADI

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Driving licence B

ADDITIONAL INFORMATION

Certifications BFT National Observer

Certifications BFT ICCAT Observer

Publications ECOTOXICOLOGICAL EFFECTS OF CONTAMINANTS ADSORBED TO POLYETHYLENE MICROPLASTICS IN SCROBICULARIA PLANA.
O'Donovan, S., Mestre, N.C., Abel, S., Fonseca, T.G., Bebianno, M.J.

PRESENCE AND ECOTOXICOLOGICAL RISK OF MICROPLASTICS IN MEDITERRANEAN ORGANISMS. Lucia Pittura, Carlo Giacomo Avio, Stefania Gorbi, Serena Martina Abel, Daniele Fattorini, Maria Elisa Giuliani, Marta Di Carlo, Francesco Regoli.

Conferences 19th International Symposium on Pollutant Responses in Marine Organisms (PRIMO19), Matsuyama, Japan 30 June- 3 July, 2017.