



Alberto Santi

Date of birth: 04/08/1996 | **Nationality:** Italian | **Phone number:** (+39) 3663124801 (Mobile) | **Email address:** albertosanti1996@libero.it | **Address:** Via Giuseppe Furlanetto 18, 35132, Padova, Italy (Home)

● EDUCATION AND TRAINING

15/11/2022 – 14/05/2023 Venezia, Italy

TRAINING INTERNSHIP CNR ISMAR

- Extraction of microplastics from sediments, from "benna" samples, applying the protocol using hydrogen peroxide (H₂O₂) and a density separation phase, for a total of 20 samples.
- Extraction of microplastics from water samples, through a protocol involving the extraction of plastic samples by sieves, for a total of 3 samples.
- Stereomicroscope quantification of microplastic samples, with identification and classification of microplastics according to color and shape and the acquisition of about 200 photos of the same.
- Sampling in the Venice Lagoon of samples of various matrices for the extraction and quantification of microplastics, through the use of "benna", "manta", "Niskin bottle" and collection of organisms.
- Preparation of tissue samples for ecotoxicological determinations (biochemical biomarkers for enzymatic activities) from sharks (*Squalus acanthias*), mussels (*Mytilus galloprovincialis*) and clams (*Ruditapes decussatus*).
- Participation to a monitoring campaign of beach litter with "Venice Lagoon Plastic Free"
- Maintenance and analysis of marine polychaetes (Tremolina) in aquaria, including feeding, aquarium maintenance, sample counting and tissue analysis.
- Database preparation, containing data analysis on cloud and creation of "research object" on the site ROHub
- Preparation of a database containing all the data obtained by CNR from 2014 to 2023

Address Arsenale Castello, 2737/F, Venezia, Italy | **Website** <http://www.ismar.cnr.it/> |

Field of study Biology , Biochemistry , Environmental sciences , Natural environments and wildlife

02/08/2022 – 28/09/2022 Italy

TEACHER TRADIND (FOR 24 CFU) Università telematica E-CAMPUS

Address Italy | **Website** <https://www.uniecampus.it/>

Italy

SINGLE COURSE EXAM "RICERCA VALUTATIVA ED EDUCAZIONE"

Address Italy | **Website** <https://www.unipd.it/>

30/09/2019 – 28/02/2022 Italy

DEGREE IN "BIOLOGIA MARINA" Università degli studi di Padova

- Monitoring and sampling of marine organisms (in particular, mussels and clams)
- Sampling of tissues and organs of marine organisms (from mussels, clams and small fishes)
- Monitoring and sampling of microplastics in organisms in the Venice Lagoon (in mussels and clams)
- Bibliographical research to identify the best protocols for the extraction of microplastics from bivalve molluscs
- Preparation of protocols for the extraction and quantification of microplastics in bivalve organisms with various solutions such as: oxygenated water (H₂O₂), perchloric acid (HClO₄) and potassium hydroxide (KOH) and analysis by Nile Red. About 1,000 specimens were processed until the final protocol for the thesis was obtained.

- Analysis and counting of microplastics samples was obtained by Stereomicroscopy and stereo-fluorescence

Address Italy | **Website** <https://www.unipd.it/> | **Field of study** Natural sciences, mathematics and statistics |

Final grade 110 cum laude |

Thesis Assessing microplastic accumulation in bivalve molluscs from the Lagoon of Venice

21/09/2016 – 20/09/2019 Padova, Italy

DEGREE IN "SCIENZE E TECNOLOGIE PER L'AMBIENTE" Università degli studi di Padova

-Sampling and preparation of organisms for ecotoxicological analyses (Enzymatic evaluation of Superoxide Dismutase enzyme and Catalase enzyme).

Address Padova, Italy | **Website** <https://www.unipd.it/> | **Field of study** Environmental sciences |

Final grade 100 |

Thesis Preliminary evaluations on the effects of exposure of PFAS on Superoxide Dismutase enzyme in Eisenia hortensis

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

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

● **DIGITAL SKILLS**

GoogleChrome | Windows | Android | InternetExplorer | Social Network | Google | Instagram | Iphone | Mozilla Firefox | Gmail | Whatsapp | Skype | R, R-Commander basics | R R-Studio | mastery of the office package (Word, Excel, PowerPoint ecc) | Google Drive | Social | Team Working | Zoom | Photo and Video editing | Internet User

● **ADDITIONAL INFORMATION**

DRIVING LICENCE

Driving Licence: B

CONFERENCES AND SEMINARS

17/11/2022 – Pittsburgh, USA

Asnicar, D., Santi, A., Corami, F., Gallina, A., Losasso, C., Marin M.G "Microplastics quantification in edible bivalves from the Lagoon of Venice using Nile red staining"

28/08/2022 – 31/08/2022 – Naples, USA

Asnicar, D., Santi, A., Ciscato, M., Gallina, A., Losasso, C., Marin M.G. "Assessing microplastic presence and effects in edible bivalves from the Lagoon of Venice"

PROJECTS

14/11/2022 – 30/03/2023

Participation to the Project "PO FEAMP 2014/2020" "Experimental study on the economic and commercial feasibility of breeding tremolina, aimed at developing techniques, growth models and reproduction of this autochthonous polychaete used as bait for longlines"

HONOURS AND AWARDS

18/04/2023

Degree Prize "Rotary Club Chioggia" 2022 – Università degli Studi di Padova Winner of the Degree Prize "Rotary Club Chioggia" 2022 for the best thesis about "Biodiversity of Hight Adriatic and Venice Lagoon; effects of human activity on biodiversity and ecosystem; Impact management and conservation of species and ecosystems".

TUTORING ACTIVITIES

Advisor of degree theses

Student: Alvise Jovon

Relator: Dott.essa Maria Gabriella Marin

Degree course: Scienze e tecnologie per l'ambiente (STAM)

Theses: Valutazione dell'accumulo di microplastiche in *Ruditapes philippinarum* della Laguna di Venezia

University: Università degli studi di Padova, 2021

TECHNICAL REPORT

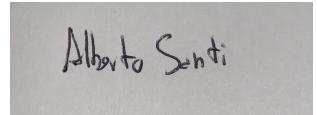
03/02/2022 – 29/03/2023

Nesto, N., Borella, E., Marčeta, T., Stefano Pasqual, S., Santi, A. Technical Repot of project "PO FEAMP 2014/2020"

Technical report of the service provided by CNR-ISMAR within the Project "PO FEAMP 2014/2020 - Studio sperimentale sulla fattibilità economica e commerciale di allevamento della tremolina, finalizzato allo sviluppo di tecniche, modelli di accrescimento e riproduzione di questo polichete autoctono utilizzato come esca per palangari"

Il sottoscritto dichiara di essere informato, ai sensi del d.lgs. n.196/2003, che i dati personali raccolti saranno trattati anche con strumenti informatici esclusivamente nell'ambito del procedimento per il quale la presente dichiarazione viene resa.

Padova , 30/05/2023



Alberto Santi