

SARAH RAUTENBACH

RESEARCH OFFICER

EXPERIENCE

May 2022 onward

Research Officer *Centro de Ciências do Mar, PT*

Management of data generated by EMSO-PT and participation of CCMAR Data Service Group of ENVRI-FAIR. Participating in data acquisition and processing. Ensure CCMAR's participation in international oceanography databases.

January 2022 – May 2022

Internship *Centro de Ciências do Mar, PT*

Creation of EMSO-ERIC overview of current state of the art of each node (15 nodes in total) and their data. Development of Python Scripts to convert collected data into NetCDF files and import into international databases. Assistance in node preparation and deployment.

March 2021 – December 2021

Master Thesis *Centro de Ciências do Mar, PT*

Thesis: 'Assessment of the marine biodegradation and suitability of textile carrier substrates for *Zostera marina* transplantation'.

March 2018 – August 2018

Bachelor Thesis *Aachen-Maastricht Institute for Biobased Materials, NL*

Bachelor Thesis: 'Examination on of the Crystallization on Behavior of Melt Spun Poly (L-Lactic Acid) Fibers blended with a PDLA and PLLA Stereo Complex Nucleating Agent'.

EDUCATION

September 2019 – December 2021

M.Sc. Marine and Coastal Systems *University of Algarve, PT*

Understanding of marine and coastal processes regarding oceanographic, sedimentological and biological processes. Theoretical classes coupled with laboratory work, field trips and oceanographic cruise.

October 2014 – August 2018

B.Eng. Textile Engineering *Reutlingen University, DE*

Theoretical and practical understanding of material and fabric manufacturing. Basic understanding of project management, environmental management and marketing strategies.

SKILLS

Languages

- English (fluent in written and spoken)
- Portuguese (necessary fluency to communicate with native speakers)
- German (mother tongue)

Computer Programs

- MS Office (Word, Excel, Power point)
- Python (PyCharm and Jupyter)
- Matlab
- Adobe (Photoshop, InDesign, Illustrator)

Additional

- PADI Divemaster