



# ALLAN T. SOUZA

POSTDOCTORAL RESEARCHER

## Profile

I obtained a European PhD in Marine and Environmental Sciences from the University of Porto (Portugal) in 2013. Since 2001, I have been involved in ecological studies of aquatic fauna. Throughout my career, I collaborated with approximately 100 researchers and published 70 papers in peer-reviewed journals. I am currently a member of the editorial board for three journals and have served as a reviewer for 14 different journals. I actively participated in nine scientific projects and received individual fellowships through five open calls. Additionally, I have delivered selected lectures at the university level in Portugal and Czechia. My strong interest lies in environmental data, and contributing to the advancement of scientific knowledge to enhance our understanding of nature and promote biodiversity conservation.

## Personal information

### Name

Allan T. Souza

### Birthdate

July 4th, 1982

### Residence

Finland

### Nationality

Brazilian / Portuguese

## Scientific profiles



### ORCID

0000-0002-1851-681X



### ResearcherID

I-8799-2012



### Scopus author ID

16426487700



### ResearchGate

<https://www.researchgate.net/profile/Allan-Souza-5>

## Academic website



[allantsouza.netlify.app](http://allantsouza.netlify.app)

## Research fields



Ecology



Biological invasions



Climate change



Conservation



Animal behavior



Fisheries

## Experience



### Postdoctoral researcher

University of Helsinki | 2023 - Present



### Postdoctoral researcher / researcher

Institute of Hydrobiology, Biology Centre, CAS | 2017 - 2022



### Postdoctoral researcher

University of Azores | 2016 - Present



### Science and management position

CIIMAR - Centre of Marine and Environmental Research | 2014

## Education



### Certificate course - Data steward

University of Vienna, Austria | 2022 - 2023

Research data management, open science and open research.



### PhD / Doctoral School in Marine and Environmental Sciences

University of Porto, Portugal | 2008 - 2013

Abundance, structure and distributional patterns of core secondary producers in a temperate estuary: Driving factors and climate change scenario simulations.



### Master / Biological Sciences - Zoology

Universidade Federal da Paraíba, Brazil | 2005 - 2007

Habitat use, territorial and feeding behavior of *Stegastes rocasensis* (Emery, 1972) at Fernando de Noronha – PE, Southwestern Atlantic.




### Bachelor / Biological Sciences - Marine Biology

Universidade Federal Fluminense, Brazil | 2001 - 2005


Thesis: Action of the octocoral's *Renilla mülleri* (Koliker, 1872) sclerites as physical defense against predators.

## Scientific metrics


### Peer-reviewed papers

 66 (Scopus)  
70 (ResearchGate)

### H-index



 16 (Scopus)  
18 (ResearchGate)

### Total citations

 833 (Scopus)  
1107 (ResearchGate)

## Skills

### Data processing

Structured data   
Unstructured data   
High throughput data   
API extraction   
Web scrapping 

### Data analysis

Frequentist statistics   
Machine learning   
Ecological modelling 


### Programming languages

R   
Git   
Python   
SQL 


### Languages


Portuguese   
English   
Spanish   
German 

## Contact

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## Selected first author publications

### Empirical evidence on the effects of climate on the viability of common carp (*Cyprinus carpio*) populations in European lakes

Souza et al., *Biological Invasions* | 2022

### Boom and bust: Simulating the effects of climate change on the population dynamics of a global invader near the edge of its native range

Souza et al., *Science of the Total Environment* | 2022

### Influence of climate change and extreme weather events on an estuarine fish community

Ilarri & Souza et al., *Science of the Total Environment* | 2022

### Otolith shape variations between artificially stocked and autochthonous pikeperch (*Sander lucioperca*)

Souza et al., *Fisheries Research* | 2020

## Editorial services


 **Frontiers in Marine Science - Marine Biology**

 **Annales Zoologici Fennici**

 **Turkish Journal of Fisheries and Aquatic Sciences**

## Supervisions

### PhD students


 Co-supervisor of one PhD student in the University of South Bohemia (Czechia)

## Recent activities

### COST Action - SEA-UNICORN

 **Training School in Ecological modelling of Marine Connectivity**  
Montpellier, France - September 2022

### International Statistical Ecology Conference

 Cape Town, South Africa - June 2022

### COST Action - European Aquatic Animal Tracking Network

 **Training School: Calculating Positions in Acoustic Telemetry**  
České Budějovice, Czechia - May 2022

## References

### Martina Ilarri

Researcher  
CIIMAR - Centre of Marine and Environmental Research  
martinailarri@gmail.com

### Jaana Bäck

Professor  
University of Helsinki  
jaana.back@helsinki.fi