



VIRGINIA ANDREA GARCIA ALONSO

PhD in Biological
Sciences

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 Bristol, UK

FIELDS OF INTEREST

Interdisciplinary Research

Scientific Visualization

Open Science

SKILLS

Critical Thinking and
Problem-Solving

Data Management, Analysis,
and Visualization (R)

Project Management

Effective Collaboration and
Communication



EDUCATION AND CERTIFICATIONS

2021 **PhD in Biological Sciences**
University of Buenos Aires, Argentina

2021 **Software Carpentries Instructor**
Certification provided by *The Carpentries*. Training organized by *Metadocencia*.

2021 **Metadocencia courses**
Certification for completing courses on *Introduction to the ABC to teach online* and *How to teach programming online*

2015 **BSc with MSc equivalent in Biological Sciences**
University of Buenos Aires, Argentina



RECENT POSITIONS

2021 **Postdoctoral Researcher**
2023
Institute of Biodiversity and Applied and Experimental Biology (IBBEA, CONICET-UBA), Argentina
I carried out spatio-temporal analysis of modelled and empirical data of fish early life stages in the R environment. This was an interdisciplinary project with biologists and oceanographers. I also trained new lab members on best practices for the lab and academic activities.

2021 **Part-time Lecturer**
2023
Department of Ecology, Genetics and Evolution, University of Buenos Aires, Argentina
I was in charge of a practical undergraduate course in *Biostatistics* on Statistics applied to Biology. This included preparing teaching materials, organizing timetables, handling the development of the classes, and being attentive and available for students' questions and suggestions.



OTHER TEACHING EXPERIENCE

2023 **Helper · Carpentries Workshop**
R for Reproducible Scientific Analysis imparted at the *csv,conf,v7*. Generated the website and provided additional support during the workshop. [🔗](#)

2022 **Mentor**
Estimation and comparison of biodiversity indicators OceanHackWeek (online). Guided the mentees and prepared the R workflow and protocol. [🔗](#)

2022 **Co-instructor**
Data analysis: your first tools/Programming in R-Rmarkdown. ReinventarTEC (online). Prepared and presented the hands-on activity. [🔗](#)



LEADING AND ORGANIZATIONAL ROLES

COMMUNITIES OF PRACTICE

2022
|
present
Co-Founder · Red JICMar
Network for Early Career Researchers in Marine Sciences from Latin America

2021
|
present
R-Ladies
Global Team member (onboarding on process) and Buenos Aires chapter organizer

ACADEMIA

2022
Co-Organizer · Outreach Activities
Hosted during *Biology Week* and *18° Museums at Night* at the University of Buenos Aires (Argentina)

2021
Co-Supervisor · Bachelor Thesis
Conducted by Santiago PJ Nacci at the University of Buenos Aires (Argentina). Qualification: outstanding

2018
Co-Organizer · X National Conference of Marine Sciences
Held at the University of Buenos Aires, Argentina



PEER-REVIEWED PUBLICATIONS

2023
García Alonso et al. Integration of empirical and modelled data unravels spatiotemporal distribution and connectivity patterns of Fuegian sprat early life stages (*Mar Ecol Prog Ser*)

2021
García Alonso et al. Ontogeny versus environmental forcing off the Southwest Atlantic Ocean: nutritional condition of Fuegian sprat (*Sprattus fuegensis*) early stages (*Fish Oceanogr*)

2020
García Alonso et al. Growing Up Down South: Spatial and Temporal Variability in Early Growth of Fuegian Sprat *Sprattus fuegensis* from the Southwest Atlantic Ocean (*Front Mar Sci*)

2020
Spinelli et al. Spring zooplankton assemblages at a subantarctic open ocean Marine Protected Area: spatial gradients at the Namuncurá/Burdwood Bank, SW Atlantic Ocean (*J Mar Syst*)

2018
García Alonso et al. Seasonal patterns of Patagonian sprat *Sprattus fuegensis* early life stages in an open sea sub-Antarctic Marine Protected Area (*Polar Biol*)



CONFERENCE PRESENTATIONS

Selection from a total of 19

- 2022 **García Alonso** & Milla Carmona. Retrieving and visualizing satellite sea water temperature data for marine analyses: a case study using the ``rerddap`` R package. *useR! 2022-The R Conference*. Poster in English [↗](#)
- 2021 **García Alonso** et al. So close yet so far? Assessing distribution and connectivity of Fuegian sprat early life stages in the SWAO. *44th Annual Larval Fish Conference*. Oral in English
- 2021 **García Alonso** et al. Using R in Latin America: the great, the good, the bad, and the ugly. *useR! 2021-The R Conference*. Oral in Spanish. Slides in Spanish and English [↗](#)
- 2019 **García Alonso** et al. Daily larval and post-larval growth of Fuegian sprat *Sprattus fuegensis* from Tierra del Fuego. *II Latin American Workshop of Otoliths and other Calcified Structures*. Oral in Spanish



SELECTED TECHNICAL REPORTS

- 2022 **AA-Data2030 White Paper – Draft Zero –**
All Atlantic-Data 2030 Stakeholders' workshop
- 2019 **Spatial and temporal trends of phytoplankton, zooplankton, ichthyoplankton and associated species**
Namuncurá Marine Protected Area - Recommendations for Rezoning (directed to Argentine Stakeholders)



AWARDS

- 2021 **Accessibility Award**
For the work *Using R in Latin America: the great, the good, the bad, and the ugly* presented at *useR! 2021-The R Conference*
- 2019 **Best Oral Presentation**
For the work *Daily growth of larvae and post-larva of Fuegian sprat Sprattus fuegensis in Tierra del Fuego* presented at *II Latin-American Workshop of Otoliths and other Calcified Structures*.