



CURRICULUM VITAE

Part A. PERSONAL INFORMATION		CV date	10/05/2024
First name	Inés		
Family name	Viana González		
Gender (*)	Female	Birth date (dd/mm/yyyy)	07/08/1984
Social Security, Passport, ID number	32811972B		
e-mail	ines.viana@ieo.csic.es	URL Web	
Open Researcher and Contributor ID (ORCID) (*)	0000-0002-3685-5591		

(*) Mandatory

A.1. Current position

Position	Researcher (contratada Doctor FC)		
Initial date	22/03/2024		
Institution	Instituto Español de Oceanografía (IEO-CSIC)		
Department/Center	Centro Oceanográfico de A Coruña		
Country	Spain	Teleph. number	981218178
Key words	Marine ecology, global change, ecosystem functioning, marine macrophytes, food webs, bioindicators, functional traits, stable isotopes		

A.2. Previous positions (research activity interruptions, see call)

Period	Position/Institution/Country/Interruption cause
2021-2024	Juan de la Cierva-Incorporación researcher/IEO-CSIC/Spain
2022	Interruption due to temporary incapacity (jan-march, ~2.5 mo)
2019-2020	Postdoctoral researcher/UVigo/Spain
2018	Interruption due to pregnancy and maternity leave (march-oct, ~7 mo)
2017-2018	Postdoctoral researcher/CIIMAR/Portugal
2015-2017	Postdoctoral researcher/ZMT/Germany
2010-2014	PhD student/IEO/Spain
2008-2010	Researcher/USC/Spain
2007-2008	Lab instructor in Basic Ecology/USC/Spain
2007	Marine observer onboard R/V Miguel Oliver (~1 mo)
2007	Technician in aquaculture facilities/IEO/Spain (15 days as a replacement)

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
MSc in Management of Science and Innovation	Universidad Politécnica de Valencia (UPV)/Spain	2014-2016
PhD in Biology	Universidad de Santiago de Compostela (USC)/Spain	2015
Certificate-Diploma in Advanced Studies in Environmental studies and natural resources	USC/Spain	2007-2009
BSc dissertation (Tesina de Licenciatura)	USC/Spain	2008
Degree in Biology (Licenciatura en Biología)	USC/Spain	2002-2007

Part B. CV SUMMARY

My **scientific goal** is to disentangle the structure and functioning of marine ecosystems under global change scenarios, and the mechanisms influencing their resilience.

When I finished my degree, I worked in a project aiming to study the impact of land-based fish farms from a multidisciplinary perspective (USC, 2008-2010). After this period, **I was awarded with a FPI fellowship (MICINN)** with the aim of studying the nitrogen anthropogenic impact on coastal areas by



using nitrogen stable isotopes in macroalgae (**IEO**, 2010-2014). The conclusions of my PhD thesis (2015, **Doctorate Extraordinary Prize**) showed the limitations of the use of nitrogen stable isotopes as indicators.

In order to understand this newly opened questions, during my first postdoctoral year (**Leibniz-DAAD postdoctoral program**, 2015-2016, ZMT, Germany) I aimed to understand nitrogen physiology in primary producers. The results of this research provided a deeper understanding on metabolism of important tropical seagrasses. As a second step, I aimed to understand the effects of stressors on seagrasses and ecosystem functioning (**I2C-Xunta de Galicia postdoctoral program**: 2016-2017, **ZMT, Germany**; 2017-2018, **CIIMAR, Portugal**). The results of this period provided important understanding about the combined effect of stressors in seagrasses by using a trait-based approach. After temporally interrupting my research career due to the born of my first child (~7 months, 2018) I came back to Spain (**UVigo**, 2019-2020) where I further developed an independent research line with the aim of studying the effects of stressors in marine systems. During this time, I combined my research activity with teaching ("**Profesor contratado Doctor**", **ANECA**, 2021). Afterwards, during a **JdC-Incorporación** contract at **IEO (2021-2024)**, I broadened my expertise to the pelagic realm, during which I incorporated novel tools in the development of bioindicators that help to understand coastal ecosystem's functioning. In my current position, I aim to understand the interactive role between the pelagic and coastal realm in the understanding of the ecosystem performance and resilience.

I have also made **short international research stays** where I broaden my knowledge on the study of marine macrophytes and food webs (**MBL, USA**; 7 mo, 2012, 2013), did field work on multispecies seagrass meadows (**IMS, Zanzibar, Tanzania**; 1 mo, 2016), got some first insights into transcriptomics (**DSASC, Israel**; 1 mo, 2015) and ran an experiment as group leader at **TZS (University of Helsinki, 2022)**. Therefore, I spent **a total of 3 years and 5 months abroad and worked in 8 different national and international institutions**. I still collaborate with researchers from all above-mentioned institutions and my network is solid (58% of my publications are with international researchers).

I have developed **all my research career with competitively won grants**, including the two research stays at MBL (MICINN, Spain). I successfully led the research lines associated with my postdoctoral grants apart from participating in **17 research projects or contracts, 3 as PI or CO-PI**. The results of my research have been published in **29 peer-reviewed publications** (486 citations, h-index:15, Scopus), **leading 70%**, while **76% are published in Q1 journals**. I have also **30 contributions to conferences** and participated in **4 book chapters** and published **2 open access datasets**. I have **supervised** (or co-supervised) 8 MSc thesis, 6 BSc thesis, 7 internships, and I have also supervised a PhD student (Dr. Artika) during her research stay at ZMT (2017).

I am **Associate Editor** in *Frontiers in Plant Science* and participated as **Guest Editor** in Special Issues in *Frontiers in Plant Science* and in *Plants*, and reviewed manuscripts in 24 different top journals. I was **invited as Chair** of the Aquatic food webs session at the ASLO 2021 conference, and I was part of the **organizing committee** of the YOUMARES12 conference (2021) and the scientific committee of I Foro da Investigación Galega no Estranxeiro (FIGaE) (2024). I was also part of **2 PhD thesis committees**. I am also part of the **bank of experts of the Spanish Research Agency (AEI) and the European Commission**.

Importantly, I have a **strong commitment with outreach activities**, and I am actively involved in the DIVUCORU group at IEO A Coruña, highlighting: Open Science Cambre and Festival Mar de Mares (2021, 2023), a Scientific Colloquium about Women in Science (11F, 2021), Día de la Ciencia en la Calle (2024) or Open Lab Days (IEO, 2011, 2014, 2023). I have also written pieces for scientific outreach in BioNews or ZMT blog.

Therefore, my career has been directed by bringing up new questions that have led me to continuously broadened my expertise on marine systems by using a **wide combination of experimental and observational approaches**, including field campaigns, **oceanographic surveys** (R/V Miguel Oliver: PATAGONIA 12/07 and PELACUS 03/20; R/V Sarmiento de Gamboa: DESAFIO I; R/V Lura: RADIALES 2021-2023) and mesocosms experiments, as well as database meta-analysis.

Part C. RELEVANT MERITS

C.1. Publications

*Number of citations (Citations)(Scopus); quartile (Q) or decile (D) (JCR); *corresponding author (CA)*

1. Gillis LG, **Viana IG**, de los Santos C (2023) A research blueprint: Plant trait responses to stress and effects on blue carbon storage potential. *Func Ecol* 37:2259 – 2270. Doi: [10.1111/1365-2435.14352](https://doi.org/10.1111/1365-2435.14352). Citations: 1, **D1**.



2. **Viana IG***, García-Seoane R, Bode A (2023) A missing trophic link: Contribution of the microbial loop to the estimation of the trophic position of pelagic consumers. *Limnol Oceanogr* 68:2587-2602. Doi: [10.1002/lno.12445](https://doi.org/10.1002/lno.12445). Citations: -, **D1**, *:CA.
3. **Viana IG***, Artika SR, Moreira-Saporiti A, Teichberg M (2023) Limited trait responses of the tropical seagrass *Cymodocea serrulata* to the combination of increasing carbon dioxide concentrations and warming. *J Exp Bot* 74:472-488. Doi: [10.1093/jxb/erac425](https://doi.org/10.1093/jxb/erac425). Citations: 1, **D1**, *:CA.
4. **Viana IG***, Moreira-Saporiti A, Teichberg M (2020) Species-specific trait responses of three tropical seagrasses to multiple stressors: the case of increasing temperature and nutrient enrichment. *Front Plant Sci* 11:571363. Doi: [10.3389/fpls.2020.571363](https://doi.org/10.3389/fpls.2020.571363). Citations: 22, **D1**, *:CA.
5. **Viana IG***, Saavedra-Hortúa DA, Mtolera M, Teichberg M (2019) Different strategies of nitrogen acquisition in two tropical seagrasses from an oligotrophic environment. *New Phytol* 223:1217-1229. Doi: [10.1111/nph.15885](https://doi.org/10.1111/nph.15885). Citations: 19, **D1**, *:CA.
6. **Viana IG***, Siriwardane-de Zoysa R, Willette DA, Gillis LG (2019) Exploring how non-native seagrass species could provide essential ecosystems services: A perspective on the highly invasive seagrass *Halophila stipulacea* in the Caribbean Sea. *Biol Invasions* 21:1461-1472. Doi: [10.1007/s10530-019-01924-y](https://doi.org/10.1007/s10530-019-01924-y). Citations: 19, **Q1**, *:CA.
7. **Viana IG***, Bode A (2015) Variability in $\delta^{15}\text{N}$ of intertidal brown algae along a salinity gradient: Differential impact of nitrogen sources. *Sci Total Environ* 512-513:167-176. Doi: [10.1016/j.scitotenv.2015.01.019](https://doi.org/10.1016/j.scitotenv.2015.01.019). Citations: 20, **D1**, *:CA.
8. **Viana IG***, Bode A, Bartholomew M, Valiela I (2015) Experimental assessment of the macroalgae *Ascophyllum nodosum* and *Fucus vesiculosus* for monitoring N sources at different time-scales using stable isotope composition. *J Exp Mar Biol Ecol* 466:24-33. Doi: [10.1016/j.jembe.2015.01.014](https://doi.org/10.1016/j.jembe.2015.01.014). Citations: 15, **Q2**, *:CA.
9. **Viana IG***, Bode A (2013) Stable nitrogen isotopes in coastal macroalgae: Geographic and anthropogenic variability. *Sci Total Environ* 443:887-895. Doi: [10.1016/j.scitotenv.2012.11.065](https://doi.org/10.1016/j.scitotenv.2012.11.065). Citations: 58, **D1**, *:CA.
10. **Viana IG***, Fernández JA, Aboal JR, Carballeira A (2011) Measurement of $\delta^{15}\text{N}$ in macroalgae stored in an environmental specimen bank for regional scale monitoring of eutrophication in coastal areas. *Ecol Indic* 11:888-895. Doi: [10.1016/j.ecolind.2010.12.004](https://doi.org/10.1016/j.ecolind.2010.12.004). Citations: 33, **Q1**, *:CA.

C.2. Congress

1. García-Seoane R, **Viana IG***, Louro MA, Bode A. Depicting the influence of seasonal upwelling on zooplankton trophic dynamics by compound specific isotope analysis. *Association for the Sciences of Limnology and Oceanography (ASLO 2023)*, 4-9 June 2023, Mallorca (Spain), [oral presentation](#), *: presenter.
2. **Viana IG**, García-Seoane R, Bode A. Importance of microbial loop contribution to the estimation of the trophic position of pelagic consumers through CSIA-AA lens. *12th International Conference of the applications of stable isotope techniques to ecological studies*, 6-10 June 2022, hybrid conference in Garming (Austria) and online, [oral presentation](#).
3. **Viana IG**, Beiras R, Nombela M, Mena A. Effects of the interaction of two local stressors on seagrass traits, sediment characteristics and its impact on blue carbon storage. *Young marine researchers conference: Heading for a sustainable and clean ocean (YOUMARES 12)*, 5-7 October 2021, hybrid conference online and in Hamburg (Germany), [oral presentation](#).
4. **Viana IG**, Beiras R. Differential physiological responses of *Ulva rigida* to wastewater related toxic compounds. *75th Annual Meeting of the Phycological Society of America (PSA)*, 13-22 July 2021, online, [oral presentation](#).
5. **Viana IG**, García-Seoane R, Bode A. Decreasing impact of microbial trophic links with trophic position through marine food webs. *Association for the Sciences of Limnology and Oceanography (ASLO 2021)*, 22-27 June 2021, online, [oral presentation](#).
6. **Viana IG**, Beiras R, Nombela M, Mena A. Does nutrient enrichment interact with a physical disturbance in the sediment and plant responses in a *Zostera noltei* meadow? *XVII International Symposium on Oceanography of the Bay of Biscay (ISOBAY 17)*, 1-4 June 2021, online, [oral presentation](#).
7. Moreira-Saporiti A, **Viana IG**, Belshe EF, Mtolera M, Teichberg M. The influence of environmental factors on seagrass response traits, functional traits and their relationship to ecosystem functions. *Changing estuaries, coasts and shelf systems - Diverse threats and opportunities (ECSA57)*, 3-6 September 2018, Perth (Australia), [oral presentation](#).



8. Viana IG, Aboal JR, Fernández JA, Real C, Villares R, Carballeira A. Utilización de las macroalgas del Banco de Especímenes Ambientales de Galicia (BEAG) en la aplicación de la Directiva Marco del Agua. *XVII Simposio Botánica Criptogámica*, Tomar (Portugal), 23-26 September 2009, oral presentation.

C.3. Research projects

1. Neutralidad climática: papel del Carbono Azul en la costa de Portugal y Galicia (CAPTA)

Funded by: Cooperación Interreg España-Portugal (POCTEP) (European Union) (968_CAPTA_1_E);

Amount: 1258321,69 €; Dates: July 2023- December 2026

Coordinator: CETMAR

Contribution: Researcher in Actividad 2: Metodologías comunes en la evaluación de los flujos de CO₂ en zonas costeras. **Deliverables** E.2.3 (Protocol for carbon estimations in the ocean) and E.2.10 (Origin of carbon accumulated by seagrasses).

2. Quantifying spatio-temporal long-term changes in pelagic food web kinetics and structure (QLOCKS).

Funded by: MICINN (Spain) (PID2020-115620RB-100); Amount: 50000 €; Dates: 2021-2024

Principal Investigator (PI) (affiliation): Antonio Bode and Jaime Otero (IEO-CSIC, Spain)

Contribution: Researcher responsible of stable isotope analysis, estimation of trophic indices and development of bioindicators.

3. Resilience of macrophyte species to stress temperature pulses (RESIST)

Funded by: AQUACOSM-plus (Project No 871081) European Commission EU H2020-INFRAIA;

Amount: Covers costs related with the experiment, travel and accommodation; Dates: June 2022

PI (affiliation): **Inés Viana (IEO-CSIC, Spain)**

Contribution: **PI**. Development of the idea and writing of the proposal, experiment running and breakdown, participant in data analysis, and writing the first draft of the manuscript.

4. Connectivities between islands alters traveling invasive seagrasses (CIRCULATIONS)

Funded by: Leibniz-ZMT Core Budget 2017 (Germany); Amount: 5000 €; Dates: 2017-2019

PI (affiliation): Rapti Siriwardane-de Zoysa (ZMT, Germany)

Contribution: **Co-PI**. Conceptualized the idea of the project and participated in the interviews design.

5. The biogeochemical function of coral mucus to connect key ecosystem engineers across the tropical seascape (MUCOS)

Funded by: Leibniz-ZMT Core Budget 2016 (Germany); Amount: 10000 €; Dates: 2016

PI (affiliation): Malik Naumann (ZMT, Germany)

Contribution: **Co-PI**. Conceptualized the idea, run the experiment and processed samples.

6. Seagrass and macroalgal community dynamics and performance under environmental change (SEAMAC)

Funded by: German Research Foundation (Germany) (TE 1046/3-1); Amount: 300000 €; Dates: 2016-2017

PI (affiliation): Mirta Teichberg (ZMT, Germany)

Contribution: **Leader of Objective** in interactive effects of stressors from an experimental approach.

7. Anthropogenic nitrogen inputs to littoral ecosystems: basis for monitoring using stable isotopes (ANILE)

Funded by: MICINN (Spain) (CTM2009-08396); Amount: 121000 €; Dates: 2010-2014

PI (affiliation): Antonio Bode (IEO, Spain)

Contribution: **I led the research line** focused on optimizing the use of stable isotopes in macroalgae.

C.4. Contracts, technological or transfer merits

1. Historic series of oceanographic data (RADIALES and RADIALESCORU)

Funded by: Instituto Español de Oceanografía (Spain); Dates: 2021-present

PI (affiliation): Antonio Bode (IEO-CSIC, Spain); Mar Nieto Cid (IEO-CSIC, Spain)

Contribution: Researcher responsible of mesozooplankton stable isotope and fatty acids.