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SCOPUS Author ID: 57188710959
h-index: 8; n^o total cites: 205 (Google Scholar)
17 scientific articles (13 as first author in Q1)
[Google Scholar](#) | [ResearchGate](#)

Keywords: marine food webs, stable isotopes, fatty acids, plankton, pelagic fish, marine pollution, heavy metals, ecotoxicology

EDUCATION

- 2015 – 2019 **PhD in Biology** (Major - Environment and Natural Resources)
Functional Biology Department (Ecology Unit). Faculty of Biology – University of Santiago de Compostela (USC). Doctoral thesis title: *Brown algae as heavy metals and nitrogen biomonitors of coastal areas: a review of protocols*. Defense date: 12/20/2019. **Summa Cum Laude**. International mention. Extraordinary PhD Award (April 2022).
- 2014 – 2016 **Master's Degree in Environmental Engineering**
Escola Técnica Superior de Enxeñaría – USC. Average academic record: 8.99 / 10. Extraordinary Master's degree Award (January 2017).
- 2010 – 2014 **Bachelor's Degree in Biology**
Faculty of Biology – USC. Average academic record: 8.92 / 10. Extraordinary End-of-Career Award (December 2014).

RESEARCH EXPERIENCE

- 01/2021 – 05/2023 **Postdoctoral researcher (Juan de la Cierva-Formación competitive grant program, Ref. FJC2019-040921-I)**
Plankton Ecology and Biogeochemistry (EPB) research group. Spanish Institute of Oceanography (IEO - CSIC), Spain. Full time.
- 11/2019 – 01/2020 **Researcher**
Fundación General University of La Rioja. Full time.
- 10/2015 – 10/2019 **PhD researcher (FPU-2014 competitive grant program, Ref. FPU14/02015)**
Ecology Unit, USC. Full time.

01/2014 – 13/2016	Master student Ecology Unit, USC. Half time.
14/2013 – 14/2014	Undergraduate student (Collaboration Scholarship) Ecology Unit, USC. 3 h/day.

TEACHING, SUPERVISING AND MENTORING EXPERIENCE

Teaching assistant (180 h) at Degree in Biology (seminars, laboratory, field), USC: Ecology I (35 h, 2016/2017), Ecology II (120 h, 2017/2018 and 2018/2019), Ecology III (25 h, 2016/2017).

Supervision of 1 MSc Thesis at Master's Degree in Marine Biology, University of Vigo: L. Gil López (2023-2024).

Supervision of 1 BSc Thesis at Biology Degree, University of A Coruña (UDC): R.M. González Pico (2021-2022).

Supervision of 2 BSc Thesis at Degree in Biology, USC: M. Amigo Regueiro (2016-2017), L.M. Girola Iglesias (2016/2017).

Supervision of 2 Research internships at Degree in Biology, UDC: C. Vázquez Campos (2021/2022, 132 h), L.M. Lastra Vallines (2020/2021, 264 h).

INTERNATIONAL PEER-REVIEWED PUBLICATIONS

17 publications (Q1: 14, first author: 13; second author: 4; corresponding author: 14), number of citations=205, h-index=8.

Published:

Viana, I.G.*, **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. <https://doi.org/10.1002/lno.12445>

García-Seoane, R.*, Viana, I.G., Bode, A. (2023). Seasonal upwelling influence on trophic indices of mesozooplankton in a coastal food web estimated from $\delta^{15}\text{N}$ in amino acids. *Prog. Oceanogr.* 219, 103149. <https://doi.org/10.1016/j.pocean.2023.103149>

García-Seoane, R.*-Antelo, J., Fiol, S., Fernández, J.A., Aboal, J.R. (2023). Unravelling the metal uptake process in mosses: comparison of aquatic and terrestrial species as air pollution biomonitors. *Environ. Pollut.* 333, 122069. <https://doi.org/10.1016/j.envpol.2023.122069>

García-Seoane, R.*, Viana, I.G., Bode, A. (2023). Using MixSIAR to quantify mixed contributions of primary producers from amino acid $\delta^{15}\text{N}$ of marine consumers. *Mar. Environ. Res.* 183, 105792. <https://doi.org/10.1016/j.marenvres.2022.105792>

- Aboal, J.R.#-Pacín, C.#, **García-Seoane, R.***, Varela, Z., González, A.G., Fernández, J.A. (2023). Global decrease in heavy metal concentrations in brown algae in the last 90 years. **J. Hazard. Mater.** 445, 130511. <https://doi.org/10.1016/j.jhazmat.2022.130511>
- García-Seoane, R.***, Fernández, J.A., Boquete, M.T., Aboal, J.R. (2021). Analysis of intra-thallus and temporal variability of trace elements and nitrogen in *Fucus vesiculosus*: Sampling protocol optimization for biomonitoring. **J. Hazard. Mater.** 412, 125268. <https://doi.org/10.1016/j.jhazmat.2021.125268>
- García Seoane, R.***, Aboal, J.R., Boquete, M.T., Fernández, J.A. (2020). Phenotypic differences in heavy metal accumulation in populations of the brown macroalgae *Fucus vesiculosus*: A transplantation experiment. **Ecol. Indic.** 111. <https://doi.org/10.1016/j.ecolind.2019.105978>
- García Seoane, R.***, Aboal, J.R., Fernández, J.A. (2020). Optimal number of *Fucus vesiculosus* subsamples to differentiate between sites affected by distinct levels of heavy metal pollution. **Aquat. Toxicol.** 222, 105465. <https://doi.org/10.1016/j.aquatox.2020.105465>
- García-Seoane, R.***, Fernández, J.A., Chilà, A., Aboal, J.R. (2019). Improving the uptake of pollutants in moss bags: The wind effect. **Ecol. Indic.** 107, 105577. <https://doi.org/10.1016/j.ecolind.2019.105577>
- García Seoane, R.***, Fernández, J.A., Varela, Z., Real, C., Boquete, M.T., Aboal, J.R. (2019). Sampling optimization for biomonitoring metal contamination with marine macroalgae. **Environ. Pollut.** 255, 113349. <https://doi.org/10.1016/j.envpol.2019.113349>
- García-Seoane, R.***, Fernández, J.A., Boquete, M.T., Aboal, J.R. (2019). Application of macroalgae analysis to assess the natural variability in selected pollution concentrations (N and Hg), and to detect sources of it in coastal environments. **Sci. Total Environ.** 650, 1403–1421. <https://doi.org/10.1016/j.scitotenv.2018.09.156>
- García-Seoane, R.***, Aboal, J.R., Boquete, M.T., Fernández, J.A. (2018). Biomonitoring coastal environments with transplanted macroalgae: A methodological review. **Mar. Poll. Bull.** 135, 988–999. <https://doi.org/10.1016/j.marpolbul.2018.08.027>
- Seoane, R.G.***, Río, Z.V., Ocaña, A.C., Escribano, J.A.F., Viñas, J.R.A. (2018). Selection of tawny owl (*Strix aluco*) flight feather shaft for biomonitoring As, Cd and Pb pollution. **Environ. Sci. Pollut. Res.** 25(14), 14271–14276. <https://doi.org/10.1007/s11356-018-1477-5>
- García-Seoane, R.***, Fernández, J.A., Villares, R., Aboal, J.R. (2018). Use of macroalgae to biomonitor pollutants in coastal waters: Optimization of the methodology. **Ecol. Indic.** 84, 710–726. <https://doi.org/10.1016/j.ecolind.2017.09.015>
- García-Seoane, R.***, Varela, Z., Carballeira, A., Aboal, J.R., Fernández, J.A. (2017). Temporal trends in mercury concentrations in raptor flight feathers stored in an environmental specimen bank in Galicia (NW Spain) between 2000 and 2013. **Ecotoxicology** 26(2), 196–201. <https://doi.org/10.1007/s10646-016-1754-3>

Varela, Z.*, **García-Seoane, R.**, Fernández, J.A., Carballeira, A., Aboal, J.R. (2016). Study of temporal trends in mercury concentrations in the primary flight feathers of *Strix aluco*. **Ecotoxicol. Environ. Saf.** 130, 199–206. <https://doi.org/10.1016/j.ecoenv.2016.04.006>

Varela, Z.*, **García-Seoane, R.**, Arróniz-Crespo, M., Carballeira, A., Fernández, J.A., Aboal, J.R. (2016). Evaluation of the use of moss transplants (*Pseudoscleropodium purum*) for biomonitoring different forms of air pollutant nitrogen compounds. **Environ. Pollut.** 213, 841–849. <https://doi.org/10.1016/j.envpol.2016.03.056>

In preparation:

García-Seoane, R., Viana, I.G., Bode, A., Close, H.G. Trophic dynamics of small pelagic fishes in the NE Atlantic by using stable isotopes and fatty acids.

García-Seoane, R., Clements, K.D. Unraveling the trophic ecology of tropical reef fishes from stable isotopes and fatty acids analysis.

GRANTS AND AWARDS

Competitive Marie Skłodowska-Curie postdoctoral fellowship, European Research Executive Agency (Ref. 101150001, 2024-2027, IEO-CSIC).

Competitive short-term postdoctoral fellowship José Castillejo, Spanish Government (Ref. CAS21/00543, 2022, University of Miami).

Early-career grant, ASLO 2021 ASM Virtual Meeting (2021).

Competitive postdoctoral fellowship Juan de la Cierva-Formación, Spanish Government (Ref. FJC2019-040921-I, 2021-2023, IEO-CSIC).

Extraordinary PhD Award, USC (2022).

Extraordinary Master's degree Award, USC (2017).

Extraordinary End-of-Career Award, USC (2014).

Accreditation to "Associate Professor", Spanish Government (2020, ANECA).

Competitive short-term research grant FPU estancias, Spanish Government (Ref. EST17/00414, 2018, OIST University).

OIST Research Internship, OIST Graduate University (2018). *Awarded, but turned down to accept Competitive short-term research grant *FPU estancias* 2018.

Competitive short-term research grant FPU estancias, Spanish Government (Ref. EST16/00109, 2017, University of South Florida).

REGATA 2017 Research Internship, RED REGATA (2017). *Awarded, but turned down to accept Competitive short-term research grant *FPU estancias* 2017.

Competitive pre-doctoral fellowship FPU, Spanish Government (Ref. FPU14/02015, 2015-2019, USC).

Competitive collaboration scholarship, Spanish Government (3 h/day for 8 months, 2013, USC).

CONTRIBUTIONS TO DATABASES (OA)

García-Seoane, R.*, Viana, I.G., Bode, A. (2022). Stable carbon and nitrogen isotopes in bulk samples and nitrogen isotopes in amino acids of mesozooplankton (200–2000 µm) of NW Spain (NE Atlantic) during 2001 and 2017. **PANGAEA**, <https://doi.org/10.1594/PANGAEA.947073>

García-Seoane, R.*, Viana, I.G., Bode, A. (2022). Natural abundance of stable isotopes of macrophytes of NW Spain. **PANGAEA**, <https://doi.org/10.1594/PANGAEA.942169>

CONTRIBUTIONS TO SCIENTIFIC MEETINGS AND CONFERENCES

(Authors. Year. Title. Event. Organizer. Location. Date).

International:

Pacín, C.*, Varela, Z., González-Viana, I., **García-Seoane, R.**, Real, C., Villares, R., Fernández, J.A., Aboal, J.R. *Mercury concentration declines in brown algae along the North Atlantic Coast: Three decades of observations*. Submitted to **ISAP 2024**. Porto, 16-21 June 2024.

Pacín, C.*, Vázquez-Arias, A., Boquete, M.T., **García-Seoane, R.**, Martínez-Cortizas, A., Fernández, J.A., Aboal, J.R. *Adaptive Responses of Brown Algae to Pollution: FTIR Analysis of Cell Wall Polysaccharides*. Submitted to **IBC 2024**. Madrid, 21-27 July 2024.

Pacín, C.*, **García-Seoane, R.**, Fernández, J.A., Varela, Z., González-Viana, I., Real, C., Villares, R., Vázquez-Arias, A., Komárek, M., Chrástný, V., Šípková, A., Aboal, J.R. (2023). *Global and regional decrease in metal concentrations in brown algae*. **SETAC Europe 33rd Annual Meeting**. Oral presentation. Dublin, 30 April-4 May 2023.

García-Seoane, R., Viana, I.G.*, Louro, M.A., Bode, A. (2023). *Depicting the influence of seasonal upwelling on zooplankton trophic dynamics by compound specific isotope analysis*. **ASLO Aquatic Sciences Meeting 2023**. Oral presentation. Palma de Mallorca (Spain), 4-9 June 2023.

Petitguyot, M.A.C*, Bode, A., Hernández-González, A., López, A., Saavedra, C., **García-Seoane, R.**, Viana, I.G., Pierce, G.J. (2023). *Long-term changes in the trophic position of dolphins in waters of Galicia (Northwest of Spain)*. **34th ECS Conference 2023**. Poster presentation. O Grove (Spain), 18-20 April 2023.

- García-Seoane, R.***, Viana, I.G., Bode, A. (2022). *Quantification of mixed contributions of primary producers from amino acid $\delta^{15}\text{N}$ of marine consumers: a Bayesian approach*. **12th IsoEcol**. Oral presentation. Online, 9-10 June 2022.
- Viana, I.G.*, **García-Seoane, R.**, Bode, A. (2022). *Importance of microbial loop contribution to the estimation of the trophic position of pelagic consumers through CSIA-AA lens*. **12th IsoEcol**. Oral presentation. Online, 9-10 June 2022.
- García-Seoane, R.***, Viana, I.G., Bode, A. (2022). *Quantification of mixed contributions of primary producers from amino acid $\delta^{15}\text{N}$ of marine consumers: a Bayesian approach*. **4th Stable Isotope Course in Ecology and Environmental Sciences**. Poster presentation. LIE-EBD, CSIC, Sevilla (Spain), 22-25 February 2022.
- García-Seoane, R.***, Viana, I.G., Bode, A. (2021). *Study of $\delta^{15}\text{N}$ variability in amino acids of primary producers: implications in trophic ecology of aquatic ecosystems*. **YOUMARES 12 “Heading to a sustainable and clean ocean”**. Oral presentation. Online conference, 5-7 October 2021. Session 9.
- García-Seoane, R.***, Aboal, J.R., Pacín, C., Varela, Z., González, A., Fernández, J.A. (2021). *Temporal trends of heavy metal concentrations in brown macroalgae from coastal environments*. **PSA Annual Meeting**. Poster presentation. Online, 13-22 July 2021.
- García-Seoane, R.***, Viana, I.G., Bode, A. (2021). *A multitrophic reevaluation of phenylalanine as estimator of the isotopic $\delta^{15}\text{N}$ baseline in marine food webs*. **ASLO 2021**. Oral presentation. Web conference, 22-27 June 2021. *Awarded an early-career grant of the Spanish Institute of Oceanography to attend and present this research*.
- Viana, I.G.*, **García-Seoane, R.**, Bode, A. (2021). *Decreasing impact of microbial trophic links with trophic position through marine food webs*. **ASLO 2021**. Oral presentation. Online, 22-27 June 2021.
- García-Seoane, R.***, Fernández, J.A., Aboal, J.R. (2019). *Dust in the wind... how to improve air quality monitoring using terrestrial mosses*. **Bryology2019**. Poster presentation. Royal Botanical Garden, Madrid (Spain), 9-12 July 2019. In: Book of abstracts of the Bryology2019 Conference (In preparation).
- García-Seoane, R.***, Fernández, J.A., Boquete, M.T., Aboal, J.R. (2018). *Assessing natural variability of pollutants and detecting pollution foci in coastal environments by using macroalgae*. **ISEAC-40**. Poster presentation. Santiago de Compostela (Spain), 19-22 June 2018. In: Book of abstracts of the ISEAC-40 International Conference on Environmental & Food Monitoring / pp. 314 / ISBN: 978-84-09-03799-5/ IIAA. USC. UNIZAR. IAEAC/ 2018.
- García-Seoane, R.***, Varela, Z., Debén, S., Aboal, J.R., Fernández, J.A. (2018). *Standardization of the technique for biomonitoring metal pollution by using raptor feathers*. **ISEAC-40**. Poster presentation. Santiago de Compostela (Spain), 19-22 June 2018. In: Book of abstracts of the ISEAC-40 International Conference on Environmental & Food Monitoring / pp. 313 / ISBN: 978-84-09-03799-5/ IIAA. USC. UNIZAR. IAEAC/ 2018.

García-Seoane, R.*, Fernández, J.A., Varela, Z., Carballeira, A., Aboal, J.R. (2017). *Spatial variability and sampling optimization, at the sampling station scale, for monitoring marine macroalgae contamination. XXI Simposio de Botánica Criptogámica. Oral presentation.* Aranjuez (Spain), 20- 24 June 2017. In: Book of abstracts of the XXI Simposio de Botánica Criptogámica / pp. 134 / ISBN: 978-84-608-4736-6 / Legal Deposit: M-17178-2017 / Universidad Rey Juan Carlos. Publishing Service / 2017.

National:

García-Seoane, R.*, Fernández, J.A., Aboal, J.R. (2019). *The wind effect in biomonitoring air pollution, “moss bag technique”.* VII Encontro da Mocidade Investigadora. Poster presentation. Santiago de Compostela (Spain), 27-29 May 2019. In: Book of abstracts of the VII Encontro da Mocidade Investigadora / pp. 282 / ISBN: 978-84-17595-28-9 / <https://dx.doi.org/10.15304/9788417595289> / University of Santiago de Compostela / 2019.

García-Seoane, R.* (2018). *Assessing natural variability of pollutants and detecting pollution foci in coastal environments by using macroalgae.* II Simposio: Investigación en Tecnologías Ambientales (Rede Galega de Tecnoloxías Ambientais (REGATA) and Agrupación Estratégica Cross-Research in Environmental Technologies (CRETUS)). Poster presentation. Santiago de Compostela (Spain), 7 June 2018.

García-Seoane, R.* (2017). *Brown algae as heavy metals and nitrogen biomonitors of coastal areas: a review of protocols.* I Simposio: Nuevos retos en el desarrollo y aplicación de tecnologías ambientales (Red REGATA (ED431D R2016/033) and Agrupación Estratégica CRETUS (AGRUP -2015/02)). Oral presentation. Santiago de Compostela (Spain), 27 April 2017.

*corresponding author, #equal contribution

RESEARCH STAYS IN FOREIGN INSTITUTIONS

Postdoctoral stays:

University of Miami (UM), USA. Rosenstiel School of Marine and Atmospheric Science, Ocean Science Department. Hilary G. Close’s lab (3 months, 09/01/2022 – 11/31/2022). Project: “*Spatio-temporal changes in the structure and kinetics of the NE Atlantic pelagic food web by analysis of stable isotopes and fatty acids from planktivorous fish*”. Funding: Postdoctoral Grant “José Castillejo” (Ref. CAS21/00543), Ministry of Education and Vocational Training (MEFP), Spanish Government.

Predocctoral stays:

Okinawa Institute of Science and Technology Graduate University (OIST), Japan. Marine Biophysics Unit. Satoshi Mitarai’s lab (3 months, 09/20/2018 – 12/14/2018). Project: “*Prediction of pollutant circulation models in marine systems using macroalgae as biomonitors of pollution*”. Funding: Predocctoral Grant “FPU estancias” (Ref. EST17/00414), Ministry of Education, Culture and Sport, Spanish Government.

University of South Florida (USF), USA. Department of Integrative Biology. Christina L. Richards’s lab (3 months, 09/01/2017 – 11/30/2017). Project: “*Creation of a DNA methylation map in native*”

and transplanted algae between habitats with varying levels of heavy metal contamination”. Funding: Predoctoral Grant “FPU estancias” (Ref. EST16/00109), Ministry of Education, Culture and Sport, Spanish Government.

EXPERIENCE IN COLLABORATIVE RESEARCH PROJECTS

International:

PeiCon. Disentangling processes controlling trophic connectivity between coastal and oceanic pelagic food webs. Funded by European Research Executive Agency (Ref. 101150001). Funding: 261380,64 EUR. PI: Dr. R. García Seoane (IEO-CSIC). 08/01/24 – 31/07/2027.

MossClone 282952. Creating and testing a method for controlling the air quality based on a new biotechnological tool. Use of a devitalized moss clone as passive contaminant sensor (2010-PI036). Funded by European Commission (FP7- ENV.2011.3.1.9-1). Funding: 423117,28 EUR. PI: Dr. J.A. Fernández (USC). 07/16/14 – 03/31/2015.

National:

PID2020-115620RB-I00. Quantifying spatio-temporal long-term changes in pelagic food web kinetics and structure (**QLOCKS**). Funded by Plan Estatal de I+D+I, Spain (2020). Funding: 59290,00 EUR. PI: Dr. A. Bode & Dr. J. Otero (IEO-CSIC), (co-PIs). 09/01/2021 – 05/31/2023.

RADIALESCORU. Oceanographic time series in northern Spain - radial A Coruña (2021-2025). Funded by IEO-CSIC. Funding: 295000,00 EUR. PI: M. Nieto Cid (IEO-CSIC). 01/01/2022 – 05/31/2023.

CEAM-FEMP. Characterization of the northwest marine acoustic ecosystem - European Maritime and Fisheries Fund. Funded by IEO-CSIC. Funding: 214570,00 EUR. PI: P. Carrera (IEO-CSIC). 01/01/2020 – 12/31/2022.

RADIALES-20. Oceanographic time series in Northern Spain (2016-2020). Funded by IEO-CSIC. Funding: 312284,00 EUR. PI: A. Bode (IEO-CSIC). 01/01/2021 – 12/31/2021.

RADPROF2021. Oceanographic time series in slope and abyssal basins of the Galicia-Cantabrian region (2021). Funded by IEO-CSIC. Funding: 43239,00 EUR. PI: C.M. González-Pola (IEO-CSIC). 03/01/2021 – 12/31/2021.

CTM2015-70578-P. Standardization and optimization of the use of bryophytes for passive and active biomonitoring of inland water quality. Development of protocols. Funded by Plan Estatal de I+D+I, Spain (2015). Funding: 160083,00 EUR. PI: Dr. JR. Aboal (USC). 01/01/2016 – 12/31/2018.

Regional:

IN607A2022-05. Competitive Excellence Group - Plankton ecology and biogeochemistry. Funded by Axencia Galega de Investigación, Xunta de Galicia (2022). Funding: 279984,00 EUR. PI: L. García García (IEO-CSIC). 01/01/2022 – 05/31/2023.

IN607A 2018/2. Competitive Excellence Group - Plankton ecology and biogeochemistry. Funded by Axencia Galega de Investigación, Xunta de Galicia (2018). Funding: 200000,00 EUR. PI: Dr. A. Bode (IEO-CSIC). 01/01/2021 – 12/31/2021.

ED431E 2018/01. Consolidation and structuring. Cross-Research in Environmental Technologies (CRETUS) - AGRUPACIONES ESTRATÉGICAS 2018 (2018-PG100). Funded by Axencia Galega de Investigación, Xunta de Galicia (2018). Funding: 600000,00 EUR. PI: J.M. Lema Rodicio (USC). 01/01/2018 – 12/31/2020.

SCC, expediente 05-7-3, 11-0006/2018. Servicio de Investigación sobre Biomonitorización de Contaminación por Metales Pesados en el Área Metropolitana de Logroño. Funded by Gobierno de La Rioja (2018). Funding: 41000,00 EUR. PI: J. Martínez Abaigar (Universidad de La Rioja). 12/29/2017 – 08/29/2018.

ED431C R2016/002. Consolidation and structuring. GRC 2016 GI-1252 Ecotoxicology and plant ecophysiology (ECOTOX) (2016- PG021). Funded by Axencia Galega de Investigación, Xunta de Galicia (2016). Funding: 280000,00 EUR. PI: A. Carballeira Ocaña (USC). 01/01/2017 – 12/31/2019.

ED341D R2016/033. Consolidation and structuring. REDES 2016 GI-1613 REGATA Rede Galega de Tecnoloxías Ambientais (2016-PG087). Funded by Axencia Galega de Investigación, Xunta de Galicia (2016). Funding: 120000,00 EUR. PI: J.M. Lema Rodicio (USC). 01/01/2017 – 12/31/2018.

PEER REVIEW SERVICE

Peer Reviewer for international journals indexed by Elsevier, Springer and MDPI (<https://www.webofscience.com/wos/author/record/583927>): Methods in Ecology and Evolution, Journal of Hazardous Materials, Science of the Total Environment, Marine Environmental Research, PLOS ONE, Marine Pollution Bulletin, Estuaries and Coasts, Ecological Indicators, Journal of Applied Phycology, Thalassas, Applied Sciences, Environmental Science and Pollution Research, Ecotoxicology and Environmental Safety, International Aquatic Research, Journal of Experimental Marine Biology and Ecology, Perspectives in Ecology and Conservation, Regional Studies in Marine Science, Water).

PROFESSIONAL TRAINING COURSES

4th Stable isotope course in ecology and environmental sciences. Doñana Biological Station EBD-CSIC, Seville (Spain) and Doñana Biological Reserve (RBD-CSIC). February 2022, 30 h.

Occupational risk prevention in aquatic and underwater activities (2021-01). CSIC. July 2022, 4 h.

Knowledge transfer and interaction with the I+D+i system. Axencia Galega de Innovación (GAIN)-Fundación Barrié, September-December 2021 (36 h).

Specialist in Integrated Management Systems: Quality, Environment, Energy and Occupational Risk Prevention. Superior Institute of Environment (ISM). October 2018-March 2019. 250 h.

Data analysis with R statistical software (Stats: Statistics and Data Analysis). CIEDUS, Escola de Doutoramento Internacional (EDI) en Ciencias e Tecnoloxía. University of Santiago de Compostela. July 2019, 15 h.

GRADschool: Professional Competencies Course for Researchers 2016. Fundación Barrié. October 2016, 96 h.

OTHER ITEMS OF INTEREST

Volunteer work in science diffusion activities:

- Participation and organization of outreach activities of the Oceanographic Center of A Coruña. (01/01/2021 – 31/12/2022). Activities: Open Science Cambre (09/19/2021), school visits.
- Organization of conferences and debates in Bachelor's and Master's degrees. 2015 – 2019.
- Dissemination of my research results in the media through publications in national (ABC) and regional (GCiencia, Galiciapress, El Diario Vasco) newspapers (articles and press releases) (2020-2022), television interviews (TVG, Antena 3) (2020), and social media (X, ResearchGate).

Field work experience in oceanographic surveys:

- PELACUS 0322. Project CEAM-FEMP. NE Atlantic (Galicia-Cantabric). Research vessel Vizconde de Eza (General Secretariat of Fisheries, Spanish Government). 13 days (04/01/2022 – 04/13/2022).
- RADCOR NOVEMBER21. Project RADIALESCORU. NE Atlantic (A Coruña). Research vessel Lura (Spanish Institute of Oceanography). 1 day (11/16/2021).
- Project CEAM-FEMP. NE Atlantic (Galicia-Cantabric). Research vessel Miguel Oliver (General Secretariat of Fisheries, Spanish Government). 15 days (04/05/2021 – 04/09/2021).

Invited Guest Editor of the Special Issue on “*Metal Contamination Biomonitoring with Marine Macroalgae*” in *Environments* journal (ISSN 2076-3298, MDPI).

Member of the External Experts Panel of the European Commission and of the Spanish State Research Agency (evaluation of proposals, prize applications and tenders) – present.

Member of *InvestiGal*, the Galician Research Network, created to respond to the transversal problems of the research sector in Galicia (05/01/2020 – present).

University service (involved in management activities related to the Teaching Program at the USC).

Elected member of:

- Functional Biology Department Council at the USC (02/15/2017 – 02/04/2018).
- Cellular Biology and Ecology Department Council at the USC (01/18/2016 – 02/14/2017).