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JESUS CANO COMPAIRE

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EDUCATION

- 2020 PostDoc Position, Research Center for the Sea and the Atmosphere, National Scientific and Technical Research Council (Argentina).
- 2016 PostDoc Position, Department of Biological Oceanography, Ensenada Center for Scientific Research and Higher Education (Mexico).
- 2014 Ph.D. Marine Sciences, Department of Biology, University of Cadiz (Spain).
- 2012 MSc in Oceanography, Department of Biology and Department of Applied Physics, University of Cadiz (Spain).
- 2010 MSc in Aquaculture and Fisheries, Department of Biology, University of Cadiz (Spain).
- 2009 BSc Marine Sciences, University of Cadiz (Spain).

TEACHING EXPERIENCE

- 2016-17 Co-director of a student in Bachelor of Marine Sciences, Faculty of Marine and Environmental Sciences, University of Cadiz, Spain.
- 2015-16 Co-director of a student in Bachelor of Marine Sciences, Faculty of Marine and Environmental Sciences, University of Cadiz, Spain.
- 2014 Teaching Staff in the project *Where rivers meet sea*, from center Center of Expertise Delta Technology, HZ University of Applied Sciences (Netherlands) and University of Cadiz (Spain).
- 2013-14 Professor of *Fisheries*, Bachelor of Marine Sciences, Faculty of Marine and Environmental Sciences, University of Cadiz, Spain.

RESEARCH GRANTS & AWARDS

- 2020 - 2022 – Postdoctoral Fellowship, Funded by National Scientific and Technical Research Council (CONICET).
- 2019 Accreditation as Assistant Professor - National Agency for Quality Assessment and Accreditation (ANECA) - Ministry of Science, Innovation and Universities of Spain.
- 2019 - 2021 – SNI Fellow candidate level. Granted by the National Council for Science and Technology of Mexico (CONACYT).
- 2016 - 2020 – Postdoctoral Fellowship, Funded by Secretariat of Energy – National Council of Science and Technology of Mexico (SENER – CONCACYT): Program SENER – CONACYT / Hydrocarbons.
- 2014 Grant holder International Scholarships Iberoamerican Association of Postgraduate Universities (AUIP): Program: Mobility Program between Universities Andalusian and Latin American Universities.
- 2013 Grant holder International Scholarships Santander Universities Scholarship: Program: Scholarships Iberoamerica, young teachers and researchers, Santander Universities.
- 2013 Grant holder European Lifelong Learning Programme on the Erasmus section: Program: Mobility of Teachers and Administration and Services.
- 2010 Research fellow at the University of Cadiz in the Project: Environmental study of Centre Tests Torregorda, Rocky intertidal platform.

- 2009 Grant holder International Scholarships Bancaja - University of Cadiz: Program: International Mobility.
- 2009 Research fellow at the University of Cadiz in the project: Preliminary study of the possible impacts of wind farm on fish populations in the project "Crosses the Sea" based on the current knowledge.
- 2008 Research fellow at the University of Cadiz in the project: Study of aspects geomorphology, flora, fauna and historical heritage of Metropolitan Park salt marsh of Toruños and Pinar of Algaida.

REFEREED PUBLICATIONS

Accepted and published

9. **Compaire, J.C.**, Pérez-Brunius, P., Jiménez-Rosenberg, S.P.A., Rodríguez-Outerelelo, J., Echeverri-García, L.P., Herzka, S.Z. (2021). Connectivity of coastal and neritic fish larvae to the deep waters inferred from in situ sampling and ocean circulation modelling. *Limnology & Oceanography*, doi: 10.1002/lno.11762.
8. **Compaire, J.C.**, Gómez-Cama, C., Soriguer, M.C. (2021) Length-weight relationships of six fish species of a rocky intertidal shore on the subtropical Atlantic coast of Spain *Thalassas: An International Journal of Marine Science*, 37 (1): 265-271, doi: 10.1007/s41208-020-00272-2.
7. Daudén-Bengoa, G., Jiménez-Rosenberg, S.P.A., **Compaire, J.C.**, Echeverri-García, L.P., Pérez-Brunius, P., Herzka, S.Z. (2020). Larval fish assemblages of myctophids in deep water region of the southern Gulf of Mexico linked to oceanographic conditions. *Deep Sea Research*, 155: 103181, doi: 10.1016/J.DSR.2019.103181.
6. **Compaire, J.C.** & Soriguer, M.C. (2020) Length-weight relationships of seven fish species from an intertidal rocky shore in the Gulf of Cadiz, Spain (NE Atlantic). *Journal of Applied Ichthyology*, 36: 852-854, doi: 10.1111/jai.14087.
5. **Compaire, J.C.**, Gómez-Enri, J., Gómez-Cama, C., Casademont, P., Sáez, O.V., Pastoriza-Martin, F., Díaz-Gil, C., Cabrera, R., Cosin, A., Soriguer, M.C. (2019). Micro- and macroscale factors affecting fish assemblage structure in the rocky intertidal zone. *Marine Ecology Progress Series*, 610: 175-189, doi: 10.3354/meps12844
4. **Compaire, J. C.**, Casademont, P., Gómez-Cama, C., & Soriguer, M. C. (2018). Reproduction and recruitment of sympatric fish species on an intertidal rocky shore. *Journal of Fish Biology*, 92: 308-329, doi: 10.1111/jfb.13494
3. **Compaire, J.C.**, Casademont, P., Cabrera, R. Gómez-Cama, C., Soriguer, M.C. (2018). Feeding of *Scorpaena porcus* (Scorpaenidae) in an intertidal rock pool in the Gulf of Cadiz (NE Atlantic). *Journal of the Marine Biological Association of the United Kingdom*, 98 (4): 845-853, doi: 10.1017/S0025315417000030
2. Hernández-Moresino, R. D., Di Mauro, R., Crespi-Abril, A. C., Villanueva-Gomila, G. L., **Compaire, J. C.**, & Barón, P. J. (2017). Contrasting structural patterns of the mesozooplankton community result from the development of a frontal system in San José Gulf, Patagonia. *Estuarine, Coastal and Shelf Science*, 193: 1-11. doi: 10.1016/j.ecss.2017.05.012

1. **Compaire, J.C.**, Cabrera, R., Gómez-Cama, C., Soriguer, M.C. (2016). Trophic relationships, feeding habits and seasonal dietary changes in an intertidal rockpool fish assemblage in the Gulf of Cadiz (NE Atlantic). *Journal of Marine Systems* 158: 165-172, doi: 10.1016/j.jmarsys.2016.02.006

In review and in preparation

7. Barrett, C.J., **Compaire, J.C.**, Soriguer, M.C., Johnson, M.L. & Hull, S.L. (2021) Condition and length-weight relationships of *Lipophrys pholis* in two contrasting marine ecoregions in the temperate Northern Atlantic: Northern European Sea and Lusitania (under review *Thalassas: An International Journal of Marine Science*).
6. Echeverri-García, L.P., Daudén-Bengoa, G., **Compaire, J.C.**, Jiménez-Rosenberg, S.P.A., Pérez-Brunius, P., Ferreira-Bartrina, V., Herzka, S.Z. (2021) Variability of fish larvae assemblages relative to mesoscale features in the deep water region of the southern Gulf of Mexico (under review *Hydrobiologia*).
5. **Compaire, J.C.**, Erzini, K., Gonçalves, J.M.S. & Soriguer, M.C. (2021). Site fidelity of fish on a rocky intertidal in the south of Portugal.
4. **Compaire, J.C.** & Sheinbaum, J. (2021). A new approach for estimating mixed layer depth in the Gulf of Mexico.
3. Daudén-Bengoa, G., **Compaire, J.C.**, Jiménez-Rosenberg, S.P.A., Echeverri-García, L.P., Herzka, S.Z. (2021) Has Miron's almost-invariant regions of attraction hypothesis been tested? Lagrangian dynamical geography of the Gulf of Mexico vs Larval fish assemblage structures.
2. Gasca-Pineda, J., Arteaga, M.C., Galindo, C.E., Martínez, M., Jiménez-Rosenberg, S.P.A., Hereu, C.M., Nakamura, Y., **Compaire J.C.**, Herzka, S.Z. (2021). Community structure and diversity of zooplankton in the Perdido Region of the Gulf of Mexico using DNA metabarcoding.
1. Gaona-Hernández, A., Herzka-Llona, S.Z., Suárez-Morales, E., Lara-Lara, R., Ochoa de la Torre, J.L., Linacre-Rojas, L.P., **Compaire J.C.** (2021). Community structure of calanoid copepods in two contrastant regions in the Gulf of Mexico according to oceanographic conditions.

Books chapter & Books

8. Rocha-Olivares, A., **Compaire, J. C.**, Herzka, S. Z., Pérez Brunius, P. (2021). Introducción. En P. Pérez Brunius, **J. C. Compaire**, P. García Carrillo (Eds.), *Efectos de derrames de petróleo en la región de Perdido sobre la conectividad biológica del golfo de México* (pp. 9-12). Ensenada, México.
7. **Compaire, J. C.**, Pérez Brunius, P., Javier Rodríguez-Outereño, Herzka, S. Z., Olascoaga, M. J., Miron, P., Berón-Vera, F. J. (2021). Posibles rutas de transporte larval entre regiones de la plataforma continental del golfo de México. En P. Pérez Brunius, **J. C. Compaire**, P. García Carrillo (Eds.), *Efectos de derrames de petróleo en la región de Perdido sobre la conectividad biológica del golfo de México* (pp. 15-36). Ensenada, México.

6. **Compaire, J. C.**, Herzka, S. Z. Pérez-Brunius, P. Jiménez-Rosenberg, S. P. Rodríguez-Outerele, J. Echeverri- García, L. del P. (2021). Larvas de peces como trazadores de transporte desde la plataforma continental hacia la zona profunda. En En P. Pérez Brunius, **J. C. Compaire**, P. García Carrillo (Eds.), *Efectos de derrames de petróleo en la región de Perdido sobre la conectividad biológica del golfo de México* (pp. 37-49). Ensenada, México.
5. Rocha-Olivares, A., **Compaire, J.C.**, Pérez-Brunius, P., Herzka, S. Z. (2021). Efectos de derrames en el cinturón plegado Perdido sobre la conectividad biológica del golfo de México. En P. Pérez Brunius, **J. C. Compaire**, P. García Carrillo (Eds.), *Efectos de derrames de petróleo en la región de Perdido sobre la conectividad biológica del golfo de México* (pp. 71-83). Ensenada, México.
4. **Compaire, J. C.**, Herzka, S. Z., Pérez Brunius, P. y Rocha-Olivares, A. (2021). Conclusiones generales y recomendaciones. En En P. Pérez Brunius, **J. C. Compaire**, P. García Carrillo (Eds.), *Efectos de derrames de petróleo en la región de Perdido sobre la conectividad biológica del golfo de México* (pp. 85-89). Ensenada, México.
3. **Compaire J.C.**, Casademont, P., Gómez-Enri, J., Cabrera, R., Soriguer, M.C. (2013). Influencia de las características de las pozas y de procesos oceanográficos de mesoescala en la ictiofauna residente de la zona intermareal rocosa (Golfo de Cádiz). En: *V Foro Iberoamericano de los Recursos Marinos y la Acuicultura*. (pp 545-554). Asociación Cultural Foro dos Recursos Mariños e da Acuicultura das Rías Galegas, Santiago de Compostela, A Coruña, España. 742 pp. ISBN: 978-84-695-9072-0. Depósito Legal: CA 397-2013.
2. Casademont P., **Compaire J. C.** (2011). Nadando al son de las Mareas. En Díaz Garduño, B. (coord.), Carrasco García, A. (coord.), *El Parque Natural Bahía de Cádiz, donde las mareas funden tierra y mar* (pp. 55-65). Consejería de Medio Ambiente. Junta de Andalucía. 116 pp. Depósito Legal: CA 435-2011.
1. Hernando, J.A. (coord), D. Jiménez (coord), M.C. Soriguer, R.M. Murillo, M. C. Gómez-Cama. R. Cabrera, F. Espigares, I. González-Ruano, **J.C. Compaire** (2009). *Estudio ambiental del Centro de Ensayos Torregorda: Evolución de los patrones de utilización del espacio y ciclo reproductor de especies focales del intermareal rocoso*. Departamento de Biología. Facultad de Ciencias del Mar y Ambientales. Universidad de Cádiz. 315 pp. ISBN: 978-84-692-7199-5. Depósito Legal. CA 653-2009.

Technical reports

1. Barbero, L., Pierrot, D., Wanninkhof, R., Baringer, M., Hooper, J., Zhang, J. Z., Smith, R., Byrne, R., Langdon, C., Hernández-Ayón, M., Schnetzer, A., Stauffer, B., Herzka, S., **Compaire, J.C.**, Hernández, F., Pech, D., Hu, C., English, D., Ondrusek, M., Olascoaga, J., and Derr, G. (2019) Third Gulf of Mexico Ecosystems and Carbon Cycle (GOMECC-3) Cruise, <https://doi.org/10.25923/y6m9-fy08>

Other publications

1. M.C. Soriguer, P. Casademont Lanzat, **J.C. Compaire**, R. Cabrera (2013). ¿Protegen las tallas mínimas a los peces inmaduros? Ruta pesquera, pp 46-47. Depósito Legal: CA 576-2010.

INVITED TALKS

- Compaire, J.C.** (2020) Assessment of the level of biological connectivity in the deep water region of Perdido (western Gulf of Mexico): Spatial distribution of ichthyoplankton and numerical modeling. Ensenada Center for Scientific Research and Higher Education (CICESE), Mexico.
- Compaire, J.C.** (2018) Ichthyoplankton connectivity between the continental slope and the deep water zone in the Perdido region of the Gulf of Mexico. Ensenada Center for Scientific Research and Higher Education (CICESE), Mexico.
- Compaire, J.C.** (2013) Influence of the characteristics of the pools and mesoscale oceanographic processes in the resident ichthyofauna of the rocky intertidal zone of Gulf of Cadiz. Centro

Nacional Patagónico, Consejo Nacional de Investigaciones Científicas y Técnicas (CENPAT – CONICET), Argentina.

ORAL PRESENTATIONS

- Compaire, J.C.**, Jiménez-Rosenberg, S.P.A., Rodríguez-Outerele, J., Pérez-Brunius, P., Echeverri-García, L.P., Herzka, S.Z. (2019). Ichthyoplankton connectivity through taxonomic composition and numerical modeling in the Perdido region of the Gulf of Mexico. XVIII Congreso Latinoamericano de Ciencias del Mar. Mar del Plata, Argentina
- Compaire, J.C.**, Jiménez-Rosenberg, S.P.A., Rodríguez-Outerele, J., Pérez-Brunius, P., Echeverri-García, L.P., Herzka, S.Z. (2018) Fish larvae community composition of neritic-coastal taxa in relation to transport processes between the continental shelf and the deep-water zone of the Perdido region of the Gulf of Mexico. XXVII Annual Meeting Mexican Geophysical Union. Puerto Vallarta, Mexico.
- Herzka, S.Z., Jiménez-Rosenberg, S.P.A., Echeverri-García, L.P., Daudén-Bengoa, G., **Compaire, J.C.**, Pérez-Brunius, P., Sheimbaum, J. (2018) Does a Lagrangian-based dynamic geography match the larval fish assemblage structure of the Gulf of Mexico's deepwater region?. Ocean Sciences Meeting - 2018. Portland, Oregon, USA.
- Compaire, J.C.**, Pérez-Brunius, P., Jiménez-Rosenberg, S.P.A., Echeverri-García, L.P., Rodríguez-Outerele, J., Domínguez, A., Herzka, S.Z. (2017) Spatial distribution, abundance, and ichthyoplankton connectivity between the continental slope and deep water region in the area of Perdido, Gulf of Mexico. XXVI Annual Meeting Mexican Geophysical Union. Puerto Vallarta, Mexico.
- Echeverri-García, L.P., Herzka, S.Z., Jiménez-Rosenberg, S.P.A., Daudén-Bengoa, G., Pérez-Brunius, P., **Compaire, J.C.** (2017) Relationship between fish larvae assemblages and oceanographic features in the deep water region". XXVI Annual Meeting Mexican Geophysical Union. Puerto Vallarta, Mexico.
- Daudén-Bengoa, G., Herzka, S.Z., Echeverri-García, L.P., Jiménez-Rosenberg, S.P.A., **Compaire, J.C.**, Domínguez, A. (2017) Fish assemblages linked to oceanographic conditions in the Gulf of Mexico deep water region. XXVI Annual Meeting Mexican Geophysical Union. Puerto Vallarta, Mexico.
- Echeverri-García, L.P., Herzka, S.Z., Jiménez-Rosenberg, S.P.A., Pérez-Brunius, P., Ferreira-Bartrina, V., **Compaire, J.C.** (2017) Influence of oceanographic processes in the spatial distribution of fish larvae in the Gulf of Mexico deep water region. XIII International meeting of the Mexican Society of Planktology, A.C. Merida, Mexico.
- Herzka, S.Z., Jiménez-Rosenberg, S.P.A., Echeverri-García, L.P., **Compaire, J.C.**, Ferreira-Bartrina, V. (2016) Relationship between abundance of fish larvae and oceanographic conditions in the deepwater zone of the south of the Gulf of Mexico. XXV Annual Meeting Mexican Geophysical Union. Puerto Vallarta, Mexico.
- Compaire, J.C.** (2012) Biology and dynamic population of *Scorpaena porcus* in a rocky intertidal platform and basics for their conservation. II Scientific Congress to Researchers in Training of the University of Córdoba. Cordoba, Spain.

POSTER PRESENTATIONS

- Compaire, J.C.**, Jiménez-Rosenberg, S.P.A., Rodríguez-Outerele, J., Pérez-Brunius, P., Echeverri-García, L.P., Herzka, S.Z. (2020) Connectivity patterns of coastal and neritic fish larvae in deep waters in the western Gulf of Mexico: How ichthyoplankton surveys can be

helpful to evaluate the reliability of the velocity fields provided by the circulation models?.
Ocean Sciences Meeting – 2020, San Diego, California, USA.

- Hernández-Sánchez, O.G., Herzka, S.Z., Camacho-Ibar, V.F., **Compaire, J.C.**, Le-Alvarado, M., Barbero, L. (2020) A gulf-wide isoscape of zooplankton $\delta^{15}\text{N}$ values reflects regional importance of NO_3 and N_2 fixation as sources of new N in the Gulf of Mexico. Ocean Sciences Meeting – 2020, San Diego, California, USA.
- Gaona, A., Suárez-Morales, E., Lara-Lara, R., Ochoa de la Torre, J.L., Linacre-Rojas, L.P., **Compaire, J.C.**, Herzka, S.Z. (2018) Characterization of the structure of the community of Calanoida copepods of the Gulf of Mexico during the cruises Malla Fina (2016). XXVII Annual Meeting Mexican Geophysical Union. Puerto Vallarta, Mexico.
- Hernández-Sánchez, O. S., Camacho-Ibar, V., Pérez-Brunius, P., **Compaire, J.C.**, Fernández-Alamo, M.A., Herzka, S.Z. (2018) Connectivity between the continental shelf and the oceanic waters inferred from the isotopic composition of the mesozooplankton. XXVII Annual Meeting Mexican Geophysical Union. Puerto Vallarta, Mexico.
- Casademont, P., Cosín, A., **Compaire, J.C.**, Cabrera, R., Gómez, M.C., Valle, O., Soriguer, M.C. (2014) Minimum legal sizes: do they protect immature fishes?. IV International Symposium in Marine Sciences. Las Palmas de Gran Canaria. Spain.
- Compaire, J.C.**, Casademont, P., Gómez-Enri, J., Cabrera, R., Soriguer, M.C. (2012) Relationship of life cycles of resident ichthyofauna in a rocky intertidal zone in the southeastern Gulf of Cadiz with mesoscale oceanographic processes. V Iberoamerican Forum of Marine Resources and Aquaculture, Cadiz, Spain.
- Soriguer, M.C., **Compaire, J.C.**, Casademont, P. Gómez-Cama, M.C. (2012) Ichthyofauna resident in three areas of a rocky intertidal platform in the Gulf of Cadiz. III International Symposium in Marine Sciences. Cadiz, Spain.
- Cabrera, R., Miodonski, J. **Compaire, J.C.**, Soriguer, M.C. Erzini, K., Gonçalves, J.M.S. (2012) Comparison between the communities of coastal fish in the coast of Cadiz and the Algarve. III International Symposium in Marine Sciences. Cadiz, Spain.
- Compaire, J.C.**, Gómez-Cama, M.C., Soriguer, M.C. (2012) Reproduction of *Gobius bucchichi* in the intertidal rocky, Caños de Meca, Gulf of Cádiz. III International Symposium in Marine Sciences. Cadiz, Spain. (*BEST POSTER 1st PLACE*).
- Compaire, J.C.**, Gómez, Cama, M.C., Cabrera, R., Soriguer, M.C. (2012) Use of intertidal *Scorpaena porcus* on a rocky platform of the suratlantic area (Gulf of Cádiz). III International Symposium in Marine Sciences. Cadiz, Spain.
- Compaire, J.C.**, Soriguer, M.C., Gómez-Cama, M.C. Hernando, J.A. (2012) Diet of *Scorpaena porcus* on a rocky platform of the suratlantic area, Gulf of Cádiz. III International Symposium in Marine Sciences. Cadiz, Spain.

RESEARCH CONTRACTS

2012-13 Title: *Verification of size of Fishery Products.*

Funding Entity: Government of Andalusia (Spain).

Lead Investigator: Dra. Milagrosa Casimiro-Soriguer Escofet.

2016 Title: *Contract for young PhD of University of Cadiz.*

Funding Entity: University of Cadiz (Spain).

PARTICIPATION IN FUNDED PROJECTS

- 2016 Implementation of oceanographic observational networks (physical, geochemical and ecological) for the generation of scenarios of possible contingencies related to the exploration and production of hydrocarbons in deep waters of the Gulf of Mexico (México).
Funding Entity: SENER – CONACYT / Hydrocarbons, project 201441.
Lead Investigator: Dra. Sharon Zinah Herzka Llona.
- 2015 Observation, study and modelling of the processes that control the dynamics of fine sediments in the Rio de la Plata, with application to regional fisheries (Argentina).
Funding Entity: National Agency Scientific and Technological Promotion of Argentina.
Lead Investigator: Dra. Claudia Gloria Simionato.
- 2013 Spatial distribution and biology of cephalopods in coastal environments of Patagonia and its relationship to environmental variables (Argentina).
Funding Entity: Self-funded.
Lead Investigator: Dr. Augusto Cesar Crespi Abril.
- 2012 Marinera phylogeographic structuring of marine species during climate change: alteration of the anterior and posterior limits of mobile populations (Spain).
Funding Entity: Ministry of Innovation, Science and Technology.
Lead Investigator: Dra. Milagrosa Casimiro-Soriguer Escofet.
- 2010 Verification of size of Fishery Products (Spain).
Funding Entity: Government of Andalusia.
Lead Investigator: Dr. Jose Antonio Hernando Casal.
- 2009 SeagrassNet, Monitoring of seagrass beds in the area Neguanje, Tayrona National Park, Colombian Caribbean (Colombia).
Funding Entity: University of Magdalena.
Lead Investigator: Ing. Camilo-Mateo Botero Saltaren.
- 2009 Viability of craft fishing of shrimp using traps to obtain clean catch in the area between the mouth of Rio Piedras and Boca de Camarones (Colombia).
Funding Entity: Ministry of Agriculture and Rural Development Colombiano (MARD), University of Magdalena.
Lead Investigator: Ing. Jairo Altamar López.
- 2009 Incorporation of mechanization to the parguera artisanal fleet as an alternative to improve efficiency (Colombia).
Funding Entity: Ministry of Agriculture and Rural Development Colombiano (MARD), University of Magdalena.
Lead Investigator: Ing. Harley Zúñiga Clavijo.
- 2009 Preliminary study of the possible impacts of wind farm on fish populations in the project "Las Cruces del Mar" based on the current knowledge (Spain).
Funding Entity: Magtel Energías Renovables S.L.
Lead Investigator: Dr. Jose Antonio Hernando Casal.
- 2008 Environmental study of Centre Tests Torregorda (Spain).
Funding Entity: Ministry of Defense of Spain.
Lead Investigator: Dr. Jose Antonio Hernando Casal.
- 2007 Study of aspects geomorphology, flora, fauna and historical heritage of Metropolitan Park salt marsh of Toruños and Pinar of Algaida (Spain).
Funding Entity: Government of Andalusia.
Lead Investigator: Dr. Alejandro Pérez Hurtado de Mendoza.

PARTICIPATION IN OCEANOGRAPHIC RESEARCH EXPEDITIONS

- 2017 Participation aboard the oceanographic ship *R/V Pelican – Oceanographic Research Vessel* in the fourth oceanographic expedition of the *Consortio de Investigacion del Golfo de Mexico* in the project: “Deep and shallow particle dispersion and biological connectivity over the continental slope in the western Gulf of Mexico”.
- 2017 Participation aboard the oceanographic ship *R/V Ronald H. Brown – Oceanographic Research Vessel* in the third oceanographic expedition of the *National Oceanic and Atmospheric Administration (NOAA)* in the project: “Gulf of Mexico Ecosystems and Carbon Cruise”.
- 2017 Participation aboard the oceanographic ship *R/V Pelican – Oceanographic Research Vessel* in the third oceanographic expedition of the *Consortio de Investigacion del Golfo de Mexico* in the project: “Deep and shallow particle dispersion and biological connectivity over the continental slope in the western Gulf of Mexico”.
- 2016 Participation aboard the oceanographic ship *R/V Pelican – Oceanographic Research Vessel* in the second oceanographic expedition of the *Consortio de Investigacion del Golfo de Mexico* in the project: “Deep and shallow particle dispersion and biological connectivity over the continental slope in the western Gulf of Mexico”.
- 2014 Participation aboard the oceanographic ship *Ramón Margalef* in the oceanographic expedition of *Instituto Español de Oceanografía* in the project “Expedition for acoustic evaluation through echo-integration of recruitment of small pelagic species in the Gulf of Cádiz, ECOCÁDIZ-RECLUTAS 2014-10”

JOURNAL REFEREE

- Cahiers de Biologie Marine* (ISSN: 0007-9723).
- Estuarine, Coastal and Shelf Science* (ISSN: 0272-7714).
- Marine Ecology Progress Series* (ISSN: 0171-8630).
- Scientific Reports* (ISSN: 2045-2322).
- Marine Biology Research* (ISSN: 1745-1000).
- Community Ecology* (ISSN: 1585-8553).

CONTRIBUTION TO IPCC

- 2020 Expert Reviewer for the Second Order Draft (SOD) of the Working Group II (WGII) Contribution to the IPCC Sixth Assessment Report (AR6). Chapter 03: Ocean and Coastal Ecosystems and their Services.
- 2020 Expert Reviewer for the Second Order Draft (SOD) of the Working Group II (WGII) Contribution to the IPCC Sixth Assessment Report (AR6). Chapter 05: Food, Fibre, and other Ecosystem Products.
- 2019 Expert Reviewer for the First Order Draft (FOD) of the Working Group II (WGII) Contribution to the IPCC Sixth Assessment Report (AR6). Chapter 03: Ocean and Coastal Ecosystems and their Services.
- 2019 Expert Reviewer for the First Order Draft (FOD) of the Working Group II (WGII) Contribution to the IPCC Sixth Assessment Report (AR6). Chapter 05: Food, Fibre, and other Ecosystem Products.

ACADEMIC ACTIVITIES, FACULTY OF MARINE AND ENVIRONMENTAL SCIENCES, UNIVERSITY OF CADIZ, SPAIN

- 2016 Member of Department Biology Board.
Member of Academic Board at the Faculty
- 2012-14 Member of Electoral Commission at the Faculty.

Member of Department Biology Board.

Member of Final Degree Project Commission at the Faculty.

Member of Academic Commission at the Msc in Oceanography

Member of Commission to Adaptation, Validation and Recognition Credits at the Faculty.

Member of Academic Board at the Faculty.

2010-14 Member Member of Quality Assurance Commission at the Faculty.

2008-09 Member of Commission to Adaptation, Validation and Recognition Credits at the Faculty.

Member of Monitoring Strategic Plan Commission at the Faculty.

Member of Academic Board at the Faculty.

2007-08 Member of Strategic Plan Commission at the Faculty.

2006-10 Student Collaborator of Department of Biology.

2006-09 Class representative in BSc Marine Sciences.

TRAINING AND SPECIALIZATION COURSES

2020 Remote Sensing of Coastal Ecosystem.

Institution: National Aeronautics and Space Administration (NASA). *Site:* Online Training. *Qualification:* Passed. *Hours:* 5.

2018 ALTICORE Mexico: Basic concepts of Coastal Satellite Altimetry.

Institution: Center for Scientific Research and Higher Education of Ensenada. *Site:* La Paz, Mexico. *Qualification:* Passed. *Hours:* 30.

2018 Ecological Processes at Marine Fronts.

Institution: Faculty of Exact and Natural Sciences, National University of Mar del Plata. *Site:* Mar del Plata, Argentina. *Qualification:* Passed. *Hours:* 36.

2018 Marine Acoustics Workshop: Training in Acoustic Impacts of Anthropogenic Activity on Marine Life.

Institution: Center for Scientific Research and Higher Education of Ensenada. *Site:* Ensenada, Mexico. *Qualification:* Passed. *Hours:* 25.

2017 Satellite Oceanography.

Institution: Department of Atmospheric and Oceanic Sciences, University of Buenos Aires. *Site:* Buenos Aires, Argentina. *Qualification:* Passed. *Hours:* 64.

2017 Introductory workshop to R: Reading, processing, diagnosis and data visualization.

Institution: Center for Scientific Research and Higher Education of Ensenada. *Site:* Ensenada, Mexico. *Qualification:* Passed. *Hours:* 20.

2017 Practices and Strategies for Writing and Acceptance of Scientific Publications in English.

Institution: Center for Scientific Research and Higher Education of Ensenada. *Site:* Ensenada, Mexico. *Calificación:* Passed. *Hours:* 60.

2011 Offshore Aquaculture.

Institution: Institute for Agricultural and Fisheries Research and Training, Council of Agriculture and Fisheries of Andalucía. *Site:* San Fernando, Spain. *Qualification:* Passed. *Hours:* 40.

2010 Multivariate Analysis and Time Series.

Institution: University of Cadiz. *Site:* Puerto Real, Spain. *Qualification:* Passed. *Hours:* 45.

2009 Maintenance and management of juvenile stages of fish in Ecological Aquaculture.

Institution: Association of Ecological Aquaculture. *Site:* Granada, Spain. *Qualification:* Passed. *Hours:* 40.

2009 Sailor basic training.

Institution: Ministry of Development of Spain. *Site:* Cadiz, Spain. *Qualification:* Passed.

Hours: 70.

LANGUAGE

Spanish - Native language.

English - Intermediate level.

Portuguese - Basic level.

COMPUTER SKILLS

MS Office (Advanced), R-Rcommander (Advanced), Matlab (Advanced), ZooImage (Advanced), Python (Intermediate), Ferret (Basic), Climate Data Operator (Basic), MARS-3D (*Model for Applications at Regional Scale*, Basic), LTRANS (*Larval Transport Lagrangian Model*, Basic), Ocean Data View (*ODV*, Basic), GNOME (*General NOAA Oil Modeling Environment*, Basic), Ecopath (Basic), Stella (Basic), Surfer (Basic), QGIS (Basic).