



2023 ASFA Advisory Board Meeting

Bangkok, Thailand

3–6 October 2023

ASFA/2023/19

Latin America Regional compendium 2022

2022 Compendium of ASFA Latin America Regional Network

Table of Contents

Overview	1
Directory	3
Target areas for improvement	3
Bibliography	4
Argentina	4
Brazil	10
Colombia.....	11
Mexico.....	16
Peru.....	18
Uruguay.....	19

Overview

This compendium presents the activities of the ASFA Latin America Regional Network in 2022 showcasing the efforts of ASFA partners, collaborating centres and associates in the region to share research on aquatic sciences, fisheries and aquaculture. The compendium is presented at the 2023 ASFA Advisory Board meeting in draft format for two purposes: to receive feedback from Advisory Board members and to agree target areas for improvement in the region. Based on feedback from Partners, the compendium can be further developed and presented to an external audience to promote the work of partners in the region to a wider audience.

There are 33 countries in Latin America according to the United Nations, two of which are landlocked (Bolivia and Paraguay). The ASFA partnership in Latin America includes nine national partners, ten collaborating centres, and 3 associated institutions.

Of the 22 ASFA centres that make up the ASFA partnership in Latin America, nine institutions are registered on OpenASFA (seven partners, one collaborating institution and one Associate). Seven registered OpenASFA users created records in 2022: INIDEP, Argentina (2 users), USP, Brazil (1 user) INVEMAR, Colombia (1 user), UNAM, Mexico (1 user) IMARPE, Peru (1 user), Udelar, Uruguay (1 user).

In 2022, these six institutions created a total of 719 records; a selection of these records presented in the Annex in the form of a bibliography.

Summary of Latin America Regional Network activities in 2022

- 719 records created by ASFA centres in Latin America regional network
- One tailored training session delivered in May 2022 for Ecuador partner – OpenASFA registration still pending/no records created; changes to the collaborating centres proposed in 2023 and a request for another training session to be delivered in Spanish;
- OpenASFA training session delivered by the ASFA Secretariat at the IAMSLIC conference in Uruguay in October 2022 (attended by Silvina Perez and Alicia Diaz from Udelar, Uruguay; Yurlem Lezcano from Marine Research Centre (collaborative ASFA Centre), Cuba; Aida Sogaray from DINARA (ASFA Associate), Uruguay; and Silverio Ortiz from UNComa (ASFA Associate), Argentina.
- The Focal Point for the ASFA regional network is Gabi Silvoni, INIDEP; Gabi also participates in the Vocabulary Working Group, Impact and Strategies Committee (ISC) and Software Working Group . Other partners active in working groups: Marco Montes (UNAM) – ISC Chair; N.Gaibor (IPIAP) – member of ISC.
- Content for issue 8 of the ASFA magazine was developed during 2022, with the Magazine being published in 2023 in both Spanish and English. Support for this issue was provided by Gabi Silvoni and Silvina Perez.

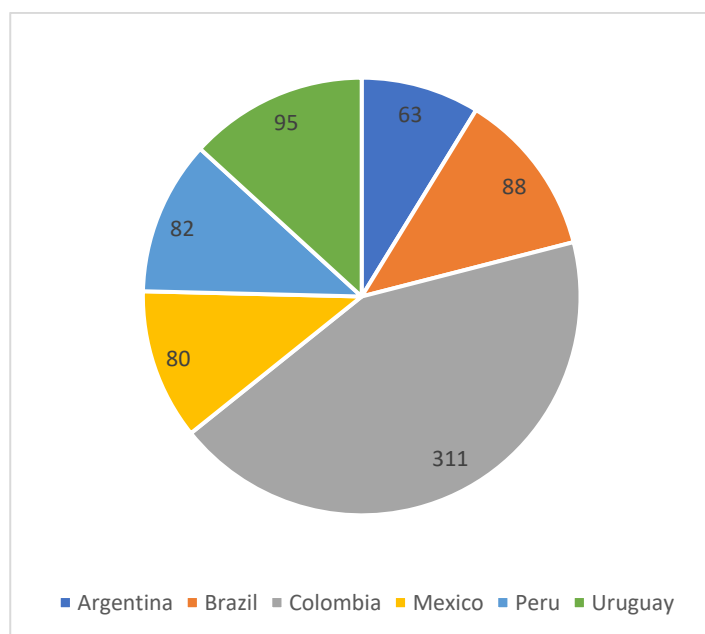


Figure 1 Number of records by ASFA Latin America regional network centres in 2022

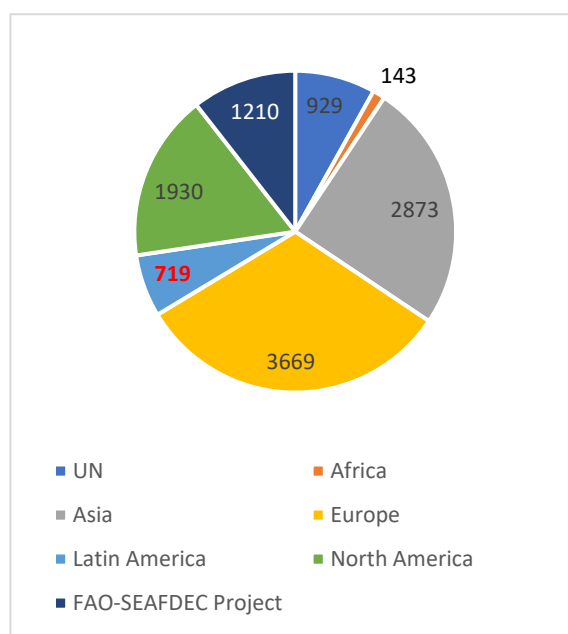


Figure 2 Number of records prepared by ASFA regional groups in 2022

Directory

National Partners

- Argentina - INIDEP (**active in 2022**)
- Brazil - USP (**active in 2022**)
- Colombia - INVEMAR (**active in 2022**)
- Chile - IFP (inactive in 2022)
- Cuba - SIP (inactive in 2022)
- Ecuador - INP (inactive in 2022)
- Mexico - UNAM (**active in 2022**)
- Peru -IMARPE (**active in 2022**)
- Uruguay - UDELAR, Faculty of Veterinary Medicine (**active in 2022**)

Collaborating Centres

- Brazil - Universidade Estadual de Feira de Santana - *inactive in 2022*
- Chile - Pontificia Universidad Católica de Valparaíso - *inactive in 2022*
- Chile - Servicio Hidrográfico y Oceanográfico de la Armada de Chile - *inactive in 2022*
- Chile - Universidad de Valparaíso - *inactive in 2022*
- Cuba - Instituto de Ciencias Marinas - *inactive in 2022*
- Cuba - Marine Research Center - *inactive in 2022*
- Ecuador - CENAIM - *inactive in 2022*
- Ecuador - Pontificia Universidad Católica – Extension Bahía de Caráquez - *inactive in 2022 (dropped off in 2023)*
- Ecuador - INOCAR - *inactive in 2022 (dropped off in 2023)*

Associated Institutions

- Argentina - Universidad Nacional del Comahue (UNComa)
- Colombia - Universidad del Magdalena
- Uruguay - DINARA

Target areas for improvement

The below table presents the areas targeted for improvement by the Latin America Regional Network in 2024. These areas, steps and success metrics are to be discussed by the regional group, further developed or edited where needed, and endorsed by the Advisory Board.

Target Area	Steps to achieve improvement (to be agreed during 2023 ASFA ABM)	Success metric
Increase number of active partners	<ul style="list-style-type: none"> Appoint a 'trainer of trainers' to run OpenASFA sessions with inactive partners? Employ the regional focal point/s on short term contract to run training and outreach activities? What steps are needed from the ASFA Secretariat? 	Active ASFA centres increases to 20 by end of 2024
Increase number of records	<ul style="list-style-type: none"> What will help to increase number of records? Are there repositories that OpenASFA can harvest from? 	1,200 records created in 2024
Support SDG 14 – Life below water	<ul style="list-style-type: none"> Successful completion of project on SDG indicator 14.4.1 in 2024 	Collection on SDG 14.4.1 completed by end of 2024 Publication of report and collection on OpenASFA
Increase collaboration in the region	<ul style="list-style-type: none"> Is a regional meeting needed, perhaps for 2025? Are there key events that ASFA could participate in in the region? i.e. IOC-IODE meeting in Chile in 2025. How else can the strength of the network be improved? 	Regional meeting? An ASFA side meeting as part of a larger, existing event in the region? Regular virtual meetings of the ASFA regional network?
Improve geographic balance in the region	<ul style="list-style-type: none"> How can coverage in the Caribbean be improved? What networks and/ or institutions do you know that would be interested in joining ASFA? 	3 x centres in Caribbean region join ASFA

Bibliography

The below presents a very small selection of references prepared by ASFA National partners, organized alphabetically by country name. Based on feedback from these centres, the bibliography can be improved to focus on a particular topic or date range and then published to promote the work of partners.

Argentina

Díaz, M.V., Do Souto, M., Brown, D.R., et al. 2019. Crecimiento y condición otoñal de larvas de anchoíta en la zona común de pesca Argentino-Uruguaya. *Marine and Fishery Sciences*, 32(1):5-18.

Jurquiza, V., de la Garza, J., Andreoli, G., & Moriondo Danovaro, P. 2019 Monitoring of the white spot syndrome virus (WSSV) in argentinian red shrimp (*Pleoticus muelleri*) samples

during 2010-2014 in Argentina. *Marine and Fishery Sciences*, 32(1): 19-30.
<https://doi.org/10.47193/mafis.3212019061802>

Hernández, D. & Rodríguez, J. 2019. Bayesian surplus production model with serial autocorrelation. *Marine and Fishery Sciences*, 32(1): 31-41.
<https://doi.org/10.47193/mafis.3212019061803>

Milessi, A.C., Bruno, I.M., Cozzolino, E., & Wiff, R. 2019. *Aluterus monoceros* (Acanthopterygii, Tetraodontiformes) southwards distribution range extension in Argentine waters). *Marine and Fishery Sciences*, 32(1): 43-46.
<https://doi.org/10.47193/mafis.3212019061804>

Benavides, H., Montoya, N.G., Carignan, M., & Luizón, C. 2019. Environmental features and harmful algae in an area of bivalve shellfish production of the Beagle Channel, Argentina. *Marine and Fishery Sciences*, 32(2): 71-101. <https://doi.org/10.47193/mafis.3222019121901>

Lopez, M.E., Ocampo Reinaldo, M., Rodríguez, K.A., et al. 2019. First data on the age and growth of Brazilian flathead *Percophis brasiliensis* (Pisces: Perciformes) in San Matías Gulf, northern Patagonia (Argentina). *Marine and Fishery Sciences*, 32(2): 103-114.
<https://doi.org/10.47193/mafis.3222019121902>

Schwartz, M. & Campodónico, S. 2019. First description of patagonian scallop (*Zygochlamys patagonica*) early larval development. *Marine and Fishery Sciences*, 32(2): 115-124.
<https://doi.org/10.47193/mafis.3222019121903>

Marques, B.G., Isola, T.E., Soto, G., & Zaixo, H.E. 2020. Effects of stocking density and thinning-out on growth and survival in an experimental suspended culture of the mussel *Mytilus platensis* d'Orbigny, 1842, in San Jorge Gulf, Argentina. *Marine and Fishery Sciences*, 33(1): 5-19. <https://doi.org/10.47193/mafis.3312020061801>

Pérez, M.A., Braccini, M., & Cousseau, M.B. 2020. Tag-recapture of the Narrownose smooth-hound (*Mustelus schmitti*) in Buenos Aires Coastal Ecosystem (Argentina). *Marine and Fishery Sciences*, 33(1): 21-52. <https://doi.org/10.47193/mafis.3312020061802>

Medina, A.I., Romero, M.A., Crespi-Abril, A., & Narvarte, M.A. 2020. Morphological shell variation of *Zidona dufresnei* (Caenogastropoda: Volutidae) from the Southwestern Atlantic Ocean. *Marine and Fishery Sciences*, 33(1): 53-68.
<https://doi.org/10.47193/mafis.3312020061803>

Riestra, C.M., Perez Comesaña, J.E., Arias, K.A., et al. 2020. Back-calculation of total length of Argentine seabass *Acanthistius patachonicus* using morphometric relationships of bones and measurements of the body. *Marine and Fishery Sciences*, 33(1): 69-75.
<https://doi.org/10.47193/mafis.3312020061804>

Alvarez, M.V. & Boraso, A. 2020. Development morphology of *Undaria pinnatifida* sporophytes (Phaeophyceae, Alariaceae) in Caleta Cordova (Chubut, Argentina). *Marine and Fishery Sciences*, 33(1): 77-94. <https://doi.org/10.47193/mafis.3312020061805>.

Campodónico, S., Escolar, M., García, J.C., & Aubone, A. 2019. Historical overview and current status of the Patagonian scallop *Zygochlamys patagonica* (King 1832) fishery in Argentina. Biology, stock assessment and management. *Marine and Fishery Sciences*, 32(2): 125-148. <https://doi.org/10.47193/mafis.3222019121904>

Schwartz, M., Escolar, M., Marecos, Á., & Herrera, S.N. 2019. Survival of non-commercial size Patagonian scallop discarded by the fishery. *Marine and Fishery Sciences*, 32(2): 149-157. <https://doi.org/10.47193/mafis.3222019121905>

Isola, T.E. 2019. State of knowledge on the reproductive cycle and settlement of mussel postlarvae of the *Mytilus* genus of the coasts of Argentina. *Marine and Fishery Sciences*, 32(2): 159-168. <https://doi.org/10.47193/mafis.3222019121906>

Camurati, J.R., Hocsmán, J., & Salomone, V.N. 2019. Potentialities of Argentine marine macroalgae. *Marine and Fishery Sciences*, 32(2): 169-183. <https://doi.org/10.47193/mafis.3222019121907>

Villalobos-Rojas, F., Azofeifa-Solano, J.C., Romero-Chaves, R., & Wehrtmann, I.S. 2020. Hermit crabs associated to the shrimp bottom-trawl fishery along the Pacific coast of Costa Rica, Central America. *Marine and Fishery Sciences*, 33(1): 95-113. <https://doi.org/10.47193/mafis.3312020061806>

Berrueta, M., Desiderio, J.A., Agliano, F., et al. 2020 Mating behavior of Patagonian octopus (*Octopus tehuelchus*) under laboratory conditions. *Marine and Fishery Sciences*, 33(1): 115-120. <https://doi.org/10.47193/mafis.3312020061807>

Zumpano, F., Troccoli, G., Gorini, F., et al. 2020. Comparison of abundance index of the Southern blue whiting (*Micromesistius australis*) from two sources of information by applying mixed linear models. *Marine and Fishery Sciences*, 33(1): 137-150. <https://doi.org/10.47193/mafis.3322020301101>

Salomone, A.L. 2020. Antimicrobial activity of different extracts obtained from Patagonian scallop (*Zygochlamys patagonica*). *Marine and Fishery Sciences*, 33(2): 151-161. <https://doi.org/10.47193/mafis.3322020301102>

Braverman, M.S., Brown, D.R., & Acha, M. 2020. Metamorphosis of whitemouth croaker *Micropogonias furnieri* (Pisces, Sciaenidae). *Marine and Fishery Sciences*, 33(2): 163-182. <https://doi.org/10.47193/mafis.3322020301107>

Marcinkevicius, M. 2020. New occurrence of *Mendosoma lineatum* Guichenot, 1848 in central Patagonia, Argentina, with comments on the rocky reef community. *Marine and Fishery Sciences*, 33(1): 121-127. <https://doi.org/10.47193/mafis.3312020061808>

García-Bonilla, E., González, P., Pirateque, L., et al. 2020. Sea grasses, a new unreported habitat for the heterobranch mollusk *Umbraculum umbraculum* in the Caribbean region. *Marine and Fishery Sciences*, 33(1): 129-133. <https://doi.org/10.47193/mafis.3312020061809>

Freire, K.M.F., Nascimento, F.P., & Rodrigues Alves Rocha, G. 2020. Shore-based competitive recreational fisheries in southern Bahia, Brazil: a baseline study. *Marine and Fishery Sciences*, 33(2): 183-203. <https://doi.org/10.47193/mafis.3322020301103>

Ruiz, M.G., Lutz, V.A., Segura, V., et al. 2020. The color of EPEA: variability in the in situ bio-optical properties in the period 2000-2017. *Marine and Fishery Sciences*, 33(2): 205-225. <https://doi.org/10.47193/mafis.3322020301105>

García, C.B. & Gamboa, J.M. 2020. Assessment of deep demersal fish fauna diversity of the Colombian Caribbean Sea. *Marine and Fishery Sciences*, 33(2): 227-246.
<https://doi.org/10.47193/mafis.3322020301106>

Gaitán, E. 2020. Existing legislation and management instruments for the protection of seabed in the Argentine Continental Shelf. *Marine and Fishery Sciences*, 33(2): 247-263.
<https://doi.org/10.47193/mafis.3322020301104>

Esteves, J., Acosta, R., Bermúdez, L., et al. 2020. Epibiosis by *Balaenophilus unisetus* (Copepoda: Harpacticoida) in fin whale, *Balaenoptera physalus* (Mysticeti: Balaenopteridae), stranded in Margarita Island, Venezuela. *Marine and Fishery Sciences*, 33(2): 265-276.
<https://doi.org/10.47193/mafis.3322020301108>

Genzano, G., Meretta, P.E. 2021. *Kirchenpaueria halecioides* (Cnidaria: Hydrozoa): a non-native hydroid in the coast of Buenos Aires, Argentina. *Marine and Fishery Sciences*, 34(1): 109-112. <https://doi.org/10.47193/mafis.3412021010302>

Leonarduzzi, E., Do Souto, M., & Díaz, M.V. 2021. Early stages of anchovy: abundance, variability and larval condition at the fixed coastal station EPEA between 2000-2017. *Marine and Fishery Sciences*, 34(1): 123-142. <https://doi.org/10.47193/mafis.3422021010601>

Freire, K.M.F. & Rodrigues Alves Rocha, G. 2021. Baseline on-site information on coastal recreational fishery and comparison with competitive events in Ilhéus, southern Bahia, Brazil. *Marine and Fishery Sciences*, 34(1): 5-19. <https://doi.org/10.47193/mafis.3412021010303>

Peressutti, S.R. 2021. Characterization of hydrocarbon degrading bacteria at EPEA station, South Atlantic coast. *Marine and Fishery Sciences*, 34(1): 21-36.
<https://doi.org/10.47193/mafis.3412021010304>

Elías, R., Méndez, N., Muniz, P., et al. 2021. Polychaetes as biological indicators in Latin America and the Caribbean. *Marine and Fishery Sciences*, 34(1): 37-107.
<https://doi.org/10.47193/mafis.3412021010301>

Aleman, D., Rico, M.R., Lagos, Á.N., et al. 2021. Temporal evolution of diversity, abundance and structure of the coastal fish assemblage in ‘El Rincón’ area (39° S-41° 30' S), Argentina. *Marine and Fishery Sciences*, 34(2): 143-180.
<https://doi.org/10.47193/mafis.3422021010602>

Blasina, G., Izzo, L., De Wysiecki, A., & Figueroa, D. 2021. Trophic ecology of hairy conger eel *Bassanago albescens* in the Southwest Atlantic and its implications for the ecosystem-based fishery management. *Marine and Fishery Sciences*, 34(2): 181-195.
<https://doi.org/10.47193/mafis.3422021010605>

Cardoso, L.G., Da Silveira Monteiro, D., & Haimovici, M. 2021. An assessment of discarded catches from the bottom pair trawling fishery in southern Brazil. *Marine and Fishery Sciences*, 34(2): 197-210. <https://doi.org/10.47193/mafis.3422021010609>

Viñas, M.D., Cepeda, G.D., & Luz Clara, M. 2021. Linking long-term changes of the zooplankton community to the environmental variability at the EPEA Station (Southwestern Atlantic Ocean). *Marine and Fishery Sciences*, 34(2): 211-234.
<https://doi.org/10.47193/mafis.3422021010610>

- Fernández Herrero, A.L.** 2021. Chemical and biological ensilates. An alternative for the integral and sustainable use of fishing waste in Argentina. *Marine and Fishery Sciences*, 34(2): 235-262. <https://doi.org/10.47193/mafis.3422021010603>
- Shell, R. & Gardner, N.** 2021. Movement of the bull shark (*Carcharhinus leucas*) in the upper Mississippi River Basin, North America. *Marine and Fishery Sciences*, 34(2): 263-267. <https://doi.org/10.47193/mafis.3422021010607>
- Belleggia, M., Pujol, M.G., Estalles, M.L., et al.** 2021. Unusual record of a multiple predation of the Patagonian seahorse *Hippocampus patagonicus* by the Narrownose smooth-hound *Mustelus schmitti* in Argentine coastal waters. *Marine and Fishery Sciences*, 34(2): 269-274. <https://doi.org/10.47193/mafis.3422021010604>
- Schejter, L., Mauna, C., & Pérez, C.D.** 2021. New record and range extension of the primnoid octocoral *Verticillata castellviae* in the Southwest Atlantic Ocean. *Marine and Fishery Sciences*, 34(2): 275-281. <https://doi.org/10.47193/mafis.3422021010608>
- Castro Fuentes, A., Cota, N., Montes, M., & Carrera, L.** 2022. Assessment of stocking density on growth and survival of Peruvian grunt *Anisotremus scapularis* (Tschudi, 1846) larvae in laboratory. *Marine and Fishery Sciences*, 35(1): 7-18. <https://doi.org/10.47193/mafis.3512022010102>
- Gaitán, E., Mauna, C., Firpo, C., Lértora, P., & Mango, V.** 2022. Potential and effective capture of macrobenthic fauna associated to the Central Area (43° 30' S-48° S) of the southern king crab (*Lithodes santolla*) fishing in Argentina. *Marine and Fishery Sciences*, 35(1): 19-37. <https://doi.org/10.47193/mafis.3512022010106>
- Liebana, C., Fernández-Giménez, A.V., & Pereira, N.Á.** 2022. Effects of sodium metabisulfite on the activity and protease composition of the enzymatic extracts of Argentine red shrimp *Pleoticus muelleri*. *Marine and Fishery Sciences*, 35(1): 39-48. <https://doi.org/10.47193/mafis.3512022010107>
- Moreno Díaz, M.L. & Elizondo, K.J.** 2022. Economic benefits from ecosystem services of the Seamounts Management Marine Area (AMM MS), Costa Rica. *Marine and Fishery Sciences*, 35(1): 49-65. <https://doi.org/10.47193/mafis.3512022010108>
- Troccoli, G., Milessi, A.C., & Mari, N.R.** 2022. Trophic ecology of Patagonian flounder *Paralichthys patagonicus* (Jordan, 1889) in the Argentine-Uruguayan Coastal Ecosystem. *Marine and Fishery Sciences*, 35(1): 67-80. <https://doi.org/10.47193/mafis.3512022010109>
- Saucedo Lozano, M., Rodríguez Ibarra, L.E., Landa Jaime, V., et al.** 2022. Feeding of flatfish *Cyclopsetta querna* and *Syacium latifrons* on the coast of Jalisco and Colima, Mexico. *Marine and Fishery Sciences*, 35(1): 81-102. <https://doi.org/10.47193/mafis.3512022010110>
- Mandiola, M.A., Bagnato, R., Gana, J.C.M., et al.** 2022. Baseline data of the presence of meso and microplastics in the digestive tract of a commercially important teleost fish from the Rio de la Plata Estuary System (Southwest Atlantic Ocean). *Marine and Fishery Sciences*, 35(1): 103-113. <https://doi.org/10.47193/mafis.3512022010101>
- Carranza, A., Limongi, P., & Schmidt-Rhaesa, A.** 2022. Benthic invertebrates collected by the RV 'Walther Herwig I and II' in the Southwestern Atlantic Ocean (1966-1978): A review

of the invertebrates collection of the Zoological Museum of Hamburg. *Marine and Fishery Sciences*, 35(1): 115-122. <https://doi.org/10.47193/mafis.3512022010104>

Eudeline, R. 2022. Illustrated checklist of Anguilliformes (Pisces, Teleostei) of the lagoon of Mayotte (West Indian Ocean) with 14 new records. *Marine and Fishery Sciences*, 35(1): 123-161. <https://doi.org/10.47193/mafis.3512022010103>

Vicente, J.A. 2022. Size Structure of Areolate Grouper (*Epinephelus areolatus*) from the Saudi Coast of the Arabian Gulf. *Marine and Fishery Sciences*, 35(3). <https://doi.org/10.47193/mafis.3532022010902>

Da Cunha Chaves, P.T. 2022. Juveniles and undersized fish in small-scale fisheries: gillnets are not less implied than trawling. *Marine and Fishery Sciences*, 35(2): 165-180. <https://doi.org/10.47193/mafis.3522022010501>

Maldonado, J.H., Moreno-Sánchez, R.P., Vargas-Morales, M.E., & Leguizamo, E. 2022. Livelihoods Characterization of a Small-Scale Fishing Community in the Colombian Caribbean. *Marine and Fishery Sciences*, 35(2): 181-207. <https://doi.org/10.47193/mafis.3522022010504>

Fernandes Perroca, J., Fernandes Miazaki, L., Fransozo, A., et al. 2022. Growth, longevity and mortality of pink-shrimps *Farfantepenaeus brasiliensis* and *F. paulensis* in southeastern Brazil. *Marine and Fishery Sciences*, 35(2): 209-222. <https://doi.org/10.47193/mafis.3522022010503>

Port, D., Fiedler, F.N., Fisch, F., & Olinto Branco, J. 2022. Greenhouse gas emissions, consumption, and fuel use intensity by an artisanal double-rig trawl fleet in southern Brazil. *Marine and Fishery Sciences*, 35(2): 223-235. <https://doi.org/10.47193/mafis.3522022010505>

Elías, R., Sabatini, S., & Dávila, C. 2022. The response of the natural and sewage-impacted intertidal mussel community of the SW Atlantic to pulse (before / after summer) and chronic sewage discharges in the 1997 - 2014 period. *Marine and Fishery Sciences*, 35(3). <https://doi.org/10.47193/mafis.3532022010901>

Valdez, C., Grados, D., La Cruz, L., et al. 2022. Acoustic characterization of automatically detected krill (*Euphausia superba*) aggregations in the Bransfield Strait and Elephant Island. *Marine and Fishery Sciences*, 35(3). <https://doi.org/10.47193/mafis.3532022010903>

Velásquez, C., Alanís, Y., Torres-Avilés, D., et al. 2022. Prawns, prawn fishers and water scarcity: challenges for fishery sustainability of *Cryphiops caementarius* in the Choapa river basin, Chile (2019-2021). *Marine and Fishery Sciences*, 35(2): 237-254. <https://doi.org/10.47193/mafis.3522022010506>

Gozzer-Wuest, R., Sueiro, J.C., Jorge, G.-N., et al. 2022. Challenging the tradition of a fishmeal producing country: An economic overview of the fishing activity of Piura, Peru. *Marine and Fishery Sciences*, 35(2): 255-274. <https://doi.org/10.47193/mafis.3522022010507>

Mora, P., Figueroa-Muñoz, G., Cubillos, Luis A., & Strange-Olate, P. 2022. A data-limited approach to determine the status of the artisanal fishery of sea silverside in southern Chile. *Marine and Fishery Sciences*, 35(2): 275-298. <https://doi.org/10.47193/mafis.3522022010508>

Marín, A., Gozzer-Wuest, R., Alvarez-Jaque, I.B., & Riveros, J.C. 2022. DNA barcoding reveals overlooked shark and bony fish species in landing reports of small-scale fisheries from northern Peru. *Marine and Fishery Sciences*, 35(2): 299-306.
<https://doi.org/10.47193/mafis.3522022010502>

Montoya, Nora G. 2019. Paralyzing shellfish toxins in the Argentine Sea: impact, trophic transfer and perspective. *Marine and Fishery Sciences*, 32(1): 47-69.
<https://doi.org/10.47193/mafis.3212019061805>

Brazil

Brito, P.S., Guimarães, E.C., Guimarães, K.L.A., et al. 2021. Cryptic speciation in populations of the genus *Aphyocharax* (Characiformes: Characidae) from eastern Amazon coastal river drainages and surroundings revealed by single locus species delimitation methods. *Neotropical ichthyology*, 19(4).
<https://www.scielo.br/j/ni/a/n5PPqG4fcfhndG34t6P6p7k/>

Mereles, M.A., Sousa, R.G.C., & Barroco, L.S.A. 2021. Discrimination of species and populations of the genus *Cichla* (Cichliformes: Cichlidae) in rivers of the Amazon basin using otolithic morphometry. *Neotropical ichthyology*, 19(4).
<http://www.scielo.br/j/ni/a/N87LQWzBFbTwxzN6YTrcpMw>

López-Rodríguez, N.C., Leão, A.H.F., Rocha, R.M., et al. 2021. Environmental influence on the reproductive strategy of *Helogenes marmoratus* (Siluriformes: Cetopsidae) in the Amazonian streams. *Neotropical ichthyology*, 19(4).
<http://www.scielo.br/j/ni/a/bmxg74GpdFQLxGgnQPsfmfm>

Brejão, G.L., Hoeninghaus, D.J., Roa-Fuentes, C.A., et al. 2021. Taxonomic and functional turnover of Amazonian stream fish assemblages is determined by deforestation history and environmental variables at multiple scales. *Neotropical ichthyology*, 19(3).
<http://www.scielo.br/j/ni/a/zq5j99bzX9JDDyxwZxyGXDG>

Garavello, J.C., Ramirez, J.L., Oliveira, A.K., et al. 2021. Integrative taxonomy reveals a new species of Neotropical headstanding fish in genus *Schizodon* (Characiformes: Anostomidae). *Neotropical ichthyology*, 19(4).
<http://www.scielo.br/j/ni/a/FLhZrqqqBN4HHQMXB5kmhtz>

D'avilla, T., Costa-Neto, E.M. & Brito, M.F.G. 2021. Impacts on fisheries assessed by local ecological knowledge in a reservoir cascade in the lower São Francisco River, northeastern Brazil. *Neotropical ichthyology*, 19(3).
<http://www.scielo.br/j/ni/a/p4xTQrHcMkdfg5DM68jNzFS>

Rodrigues, A.C., Santos, N.C.L., Baumgartner, M.T., & Gomes, L.C. 2021. Adjustments in population and reproductive dynamics of native and non-native congeneric species during 26 years after invasion. *Neotropical ichthyology*, 19(1).
<http://www.scielo.br/j/ni/a/GpgsRmWDyFwsTB5kxddxPG>

Rangel-Medrano, J.D. & Márquez, E.J. 2021. Development of microsatellite loci and population genetics in the bumblebee catfish species *Pseudopimelodus atricaudus* and *Pseudopimelodus magnus* (Siluriformes: Pseudopimelodidae). *Neotropical ichthyology*, 19(1).
<http://www.scielo.br/j/ni/a/xfPdcynVwmGqFGDXX3dK8WL>

- Faria, T.C., Guimarães, K.L.A., Rodrigues, L.R.R., *et al.* 2021. A new *Hyphessobrycon* (Characiformes: Characidae) of the *Hyphessobrycon heterorhabdus* species-group from the lower Amazon basin, Brazil. *Neotropical ichthyology*, 19(1). <http://www.scielo.br/j/ni/a/LSQbGTXJsFQNP7q3cLSn78K>
- Oliveira, M.L.M., Paim, F.G., Freitas, Érica A.S., *et al.* 2021. Cytomolecular investigations using repetitive DNA probes contribute to the identification and characterization of *Characidium* sp. aff. *C. vidali* (Teleostei: Characiformes). *Neotropical ichthyology*, 19(2). <http://www.scielo.br/j/ni/a/Mbdg3RFBHHfQpWjvYL7d3mg>
- Loboda, T.S., Lasso, C.A., Rosa, R.S., & Carvalho, M.R. 2021. Two new species of freshwater stingrays of the genus *Paratrygon* (Chondrichthyes: Potamotrygonidae) from the Orinoco basin, with comments on the taxonomy of *Paratrygon aiereba*. *Neotropical ichthyology*, 19(2). <http://www.scielo.br/j/ni/a/MRzqZKT9Y5ycQgz4nPQ6yTy>
- Nirchio, M., Masache, M.C., Paim, F.G., *et al.* 2021. Chromosome analysis in *Saccodon wagneri* (Characiformes) and insights into the karyotype evolution of Parodontidae. *Neotropical ichthyology*, 19(1). <http://www.scielo.br/j/ni/a/xs9tKj9NMbm6YdGwtNKnXsh>
- Deprá, G.C., Ota, R.R., Vitorino Júnior, O.B., & Ferreira, K.M. 2021. Two new species of *Knodus* (Characidae: Stevardiinae) from the upper rio Tocantins basin, with evidence of ontogenetic meristic changes. *Neotropical ichthyology*, 19(1). <http://www.scielo.br/j/ni/a/ZscZF4WRbWKCLLwNmZHVvYJ>
- Lezama, A.Q. & Malabarba, L.R. 2021. The genital and anal papillae of *Compsura heterura* (Characidae: Cheirodontinae): morphological structure and possible role in insemination. *Neotropical ichthyology*, 19(1). <http://www.scielo.br/j/ni/a/CLbWw7MMyBTzTxD9vLCHrY5S>
- Montaña, C.G., Liverpool, E., Taphorn, D.C., & Schalk, C.M. 2021. The cost of gold: Mercury contamination of fishes in a Neotropical river food web. *Neotropical ichthyology*, 19(1). <http://www.scielo.br/j/ni/a/4j8bxhg9thqs5DMN8H4R4jh>
- Miüller, N.O.R., Cunico, A.M., Gubiani, É.A., & Piana, P.A. 2021. Functional responses of stream fish communities to rural and urban land uses. *Neotropical ichthyology*, 19(3). <http://www.scielo.br/j/ni/a/88RC67QvP37WyrMK4sbmj6K>

Colombia

- Ehemann, N., Marín Sanz, J., & Barany González, M. 2016 Two cases of two-head shark embryos, smalleye smooth-hound *Mustelus higmani* and the blue shark *Prionace glauca*. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(1), 149-153. <http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/636/621>
- Beltrán-León, B.S., Ríos Herrera, R., & Rubio Rincón, E. 2016. Nuevos hallazgos y distribución de algunas especies de aguas profundas del Pacífico de Colombia ii. Callionymidae (teleostei). *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(1), 155-163. <http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/637/622>
- Serna Rodríguez, K.M., Zapata, F.A., & Mejía Ladino, L.M. 2016. Diversity and distribution of fishes along the depth gradient of a coral reef wall at San Andrés Island, Colombian Caribbean. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and*

Coastal Research, 45(1), 15-39.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/628/614>

Almanza Bernal, M., Márquez Fernández, E.J., & Chasqui, L. 2016. Evaluación de amplificación cruzada de microsatélites para estudios de genética poblacional del cazón antillano *Rhizoprionodon porosus* (Carcharhinidae) en el Caribe Colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(1), 41-56.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/629/615>

Bastidas Salamanca, M.L., Ordóñez Zúñiga, S.A., & Ricaurte Villota, C. 2016. Eventos de intensificación y relajación del viento en la Bahía de Santa Marta (Caribe Colombiano): implicaciones oceanográficas. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(2), 181-196.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/682/650>

Rodríguez Sánchez, C.A., Moreno-Sánchez, R.P., & Maldonado, J.H. 2016. Incidencia de dos medidas diferentes de pobreza en la estimación de la capacidad adaptativa de comunidades locales ubicadas en áreas marinas protegidas: Comunidad de Barú, Bolívar. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(2), 197-236.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/683/651>

Rodríguez Acosta, E.V., Figueredo Rodríguez, A.J., Espinoza Moya, H.L., & Ron Esteves, E.J. 2016. Acerca de la presencia de *Pseudocarcharias kamoharai* (matsubara) (Lamniformes: Pseudocarchariidae) en aguas al suroeste de la Isla de Margarita, estado nueva esparta, Venezuela. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(2), 335-344.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/689/657>

Gómez Gaspar, A., Barceló, A., & Mata, E. 2016. Ecología costera al sureste de Isla Margarita, Venezuela (abril 2012 – mayo 2014). *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(2), 269-288.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/686/654>

Gómez Gaspar, A. 2016. Densidad de huevos de sardina sardinella aurita, abundancia de zooplancton e hidrografía en la península de araya y sur de isla margarita, Venezuela. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(1), 57-72.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/630/616>

García Urueña, R., Coneo Gómez, S., Sierra Escrigas, S., & Dueñas Ramírez, P.R. 2022. Nuevos registros de anélidos del banco de las Ánimas, Caribe colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1), 9-36.

Ramírez Tello, L.M., Tello-Musi, J.L., & López García, R. 2022 Pycnogonida of Mexican waters: A checklist with observations on diversity and ecology. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1): 151-170.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/1186/912>

Gavio, B., Vargas Llanos, J.P., & Mancera Pineda, J.E. 2022. Trash in paradise: marine debris on the beaches of San Andrés Island, Seaflower Biosphere Reserve, Colombian Caribbean. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1): 37-52.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/996/906>

Yepes Gaurisas, D. & Guerrero Correa, G.M. 2022. First record and range extension of the deep-sea urchin *Hygrosoma petersii* (A. Agassiz, 1880) (Echinodermata, Echinoidea) for the southern Caribbean. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1): 207-214.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/1168/916>

Berben Henríquez, A., Gonzalez Cueto, J., Colorado, A., Quiroga, S. 2022. The Cytochrome Oxidase I gene confirms the presence of the nemertine *Carcinonemertes conanobrieni*, a parasite of the Caribbean spiny lobster (*Panulirus argus*) in Colombia. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1): 201-206. <http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/1166/915>

Hinojosa Romero, C.A., Valencia Díaz, M., Barrientos-Muñoz, K.G., et al. 2022. Sea Turtles in the Bahía Málaga Conservation Mosaic, Colombian Pacific. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1): 117-136. <http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/1096/910>

Millán, S., Acosta Chaparro, A., Navas Camacho, R., et al. 2022. Preliminary assessment of the impact of Hurricane Iota on coral reefs in Providencia and Santa Catalina Islands. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1): 193-200. <http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/1164/914>

Cornejo Urbina, R., La Cruz, L., & Castillo Valderrama, R. 2022. Distribution and biomass of anchovy (*Engraulis ringens*) and pelagic red squat lobster (*Pleuroncodes monodon*) in marine ecosystem of Paracas National Reserve, southern Peru. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1): 99-116.

Sanjuan-Muñoz, A., Bustos-Montes, D.M., Polo Silva, C.J., et al. 2022. Biology and ecology of lionfish (*Pterois volitans*) in the Corales de Profundidad Natural National Park, Colombian Caribbean. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 51(1): 75-98.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/1087/908>

Vélez Agudelo, C. & Aguirre Ramírez, N. 2016. Influencia del Río Atrato en el Golfo de Urabá durante el holoceno tardío, Mar Caribe colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(1): 73-97.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/631/617>

Millán, S., Bolaños, J.A., García-Valencia, C. 2016. Teledetección aplicada al reconocimiento de praderas de pastos marinos en ambientes de Baja Visibilidad: La Guajira, Colombia. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(2): 289-315.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/687/655>

González Corredor, J.D., Acero P., A., & García-Urueña, R. 2016. Densidad y estructura de tallas del pez león *Pterois volitans* (scorpaenidae) en el caribe occidental insular Colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 45(2): 317-333.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/688/656>

Puentes, C., Gómez-León, J., Ruiz, C., & Zea, S. 2016. Primeros pasos hacia la localización celular del (+)-discodermólido, un potente policétido antitumoral producido por la esponja marina del Caribe *Discodermia dissolute*. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(2): 237-251.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/684/652>

Garcés Ordoñez, O. & Castellanos Martínez, M.L. 2016. Supervivencia de propágulos de rhizophora mangle bajo tensores ambientales en el brazo Calancala del Río Ranchería, Caribe Colombiano. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(2): 345-353.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/690/658>

Girón-Montaño, A., Rueda, M., Eraso Ordoñez, J.F., & Rodríguez-Jiménez, A. 2016. Variación interanual de la estructura de tallas y aspectos reproductivos del camarón pink (*Farfantepenaeus brevivirostris*) en el Pacífico Colombiano. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(2): 253-268.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/685/653>

Maldonado, J.H., & Cuervo Sánchez, R. 2016. Valoración económica del parque nacional natural corales de profundidad. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(1): 99-121.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/632/618>

Anguila, R., Nieto Alvarado, L.E., Narváez Barandica, J.C., et al. Ampliación geográfica del tiburón siete branquias o bocadulce heptanchias perlo bonnaterre (Hexanchiformes: Hexanchidae) para el Caribe continental colombiano. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(2): 355-360.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/691/659>

Anguila, R., Nieto Alvarado, Luis E., Hernández Beracasa, L., 2016. Nuevos registros de peces de esqueleto cartilaginoso para el Caribe colombiano y uno como ampliación de su distribución geográfica en el Caribe colombiano para Bocas de Ceniza, Departamento de Atlántico, Colombia. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(2): 361-373.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/692/660>

Alfaro Martínez, S., Bustos Montes, D., Salas Castro, S., et al. 2016 Fecundidad del jurel aleta amarilla, *Caranx hippos* (Linnaeus) en el Caribe colombiano. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(1): 123-134.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/633/619>

García Araujo, João P., & Hiroyuki Kubota, A. 2016. Sampling frequency evaluation of the marine flora monitoring program at Almirante Alvaro Alberto nuclear complex, Rio de Janeiro, Brazil. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(2): 375-383.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/693/661>

Arteaga Sogamoso, E. & Perdomo Trujillo, L.V. 2016. Distribución, frecuencia y abundancia del fitoplacton potencialmente tóxico en la cuenca Pacífica colombiana. *Boletín de investigaciones marinas y costeras*=*Bulletin of Marine and Coastal Research*, 45(1): 135-148. <http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/635/620>

- García Hoyos, L.M., Franco Herrera, A., Ramírez Barón, J.S., & López, D.A.** 2010. Dinámica océano - atmósfera y su influencia en la biomasa fitoplanctónica, en la zona costera del departamento del Magdalena, Caribe colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 39(2): 307-335.
- Mármol Rada, D., Vilorio Maestre, E., & Blanco, J.** 2010. Efectos de la pesca sobre la biología reproductiva de la lisa *Mugil incilis* (Pisces: Mugilidae) en la Ciénaga Grande de Santa Marta, Caribe colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 39(2): 215-231.
<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/149/145>
- Valle, A.G., Osorno Arango, A.M. & Gil Agudelo, D.L.** 2011. Estructura y regeneración del bosque de manglar de la Ciénaga de Cholón, Isla Barú. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 40(1): 115-130.
<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/105/101>
- Polanco F. A., Acero P., A., Santos Acevedo, M., et al.** 2011. Evaluación preliminar de especies de peces arrecifales marinos con potencial ornamental en el área de Santa Marta y Parque Nacional Natural Tayrona, Caribe colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 40(1): 131-141.
<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/106/102>
- Girón, A., Rico, F., & Rueda, M.** 2010. Evaluación experimental de dispositivos excluidores de fauna acompañante en redes de arrastre para camarón de aguas someras en el Pacífico colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 39(2): 337-357.
<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/153/149>
- Ramírez Barón, J.S., Franco Herrera, A., García Hoyos, L.M. & López, D.A.** 2010. La comunidad fitoplanctónica durante eventos de surgencia y no surgencia, en la zona costera del departamento del Magdalena, Caribe colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 39(2): 233-263.
<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/150/146>
- Vidal, L.A., & Lozano Duque, Y.** 2011. Revisión de los taxones del género *Neoceratium* F. Gómez, D. Moreira ET P. López – García (Dinophyceae) y primer registro de *N. Dens* en el mar Caribe colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 40(1):
<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/107/103>
- Herrera Carmona, J.C., Capella Alzueta, J.J, Soler, G.A., et al.** 2011 Occurrence and encounter rates of marine mammals in the waters around the Malpelo Island and to the continent. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 40(Sup Esp.): 57-78.
<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/128/126>
- Medellín Mora, J., & Navas, S.G.R.** 2010. Listado taxonómico de copépodos (Arthropoda: Crustacea) del Mar Caribe colombiano. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 39(2): 265-306.
<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/151/147>

Cerón Benavides, S.M., Santos Acevedo, M., Gómez Cerón, A.E., et al. 2014. Evaluación de la toxicidad aguda de un fluido de exploración offshore en la fecundación del erizo de mar *Lytechinus variegatus*. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 43(2): 383-405.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/8/8>

Pérez, M., García, M., Stupak, M., & Blustein, G. 2015 Disminución del contenido de cobre en pinturas “antifouling” de matriz soluble, uso del eugenol como aditivo. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 44(2): 281-290.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/11/11>

Caetano Nunes Pazdiora, B.R., Josephraj Selvaraj, J., Marmolejo, D.F., et al. 2015. Una metodología no invasiva para la extracción de ADN de *Coryphaena hippurus*. *Boletín de investigaciones marinas y costeras=Bulletin of Marine and Coastal Research*, 44(2): 395-399.

<http://boletin.invemar.org.co/ojs/index.php/boletin/article/view/33/32>

Mexico

Avendaño, M., Cantillán, M., Le Pennec, M., & Thouzeau, G. 2008. Reproductive and larval cycle of the scallop *Argopecten purpuratus* (Ostreoida: Pectinidae), during El Niño-La Niña events and normal weather conditions in Antofagasta, Chile. *Revista de biología tropical*, 56(1), 121-132.

<https://www.scielo.sa.cr/pdf/rbt/v56n1/art08v56n1.pdf>

Rojo Vázquez, J.A., Quiñónes Velázquez, C., Echavarría Heras, H.A., et al. 2008. The fish species composition and variation of catch from the small-scale gillnet fishery before, during and after the 1997-1998 ENSO event, central Mexican Pacific. *Revista de biología tropical*, 56(1), 133-152. <https://www.scielo.sa.cr/pdf/rbt/v56n1/art09v56n1.pdf>

McCrary, Jeffrey K., Madsen, H., González, L., et al. 2008. Comparison of gastropod mollusc (Apogastropoda: Hydrobiidae) habitats in two crater lakes in Nicaragua. *Revista de biología tropical*, 56(1), 113-120. <https://www.scielo.sa.cr/pdf/rbt/v56n1/art07v56n1.pdf>

Lucano Ramírez, G., Ruiz Ramírez, S., Rojo Vázquez, J.A., & González Sansón, G. 2008. Reproduction of the fish *Gymnothorax equatorialis* (Pisces: Muraenidae) in Jalisco and Colima, Mexico. *Revista de biología tropical*, 56(1), 153-163.

<https://www.scielo.sa.cr/pdf/rbt/v56n1/art10v56n1.pdf>

Herrera Vásquez, J., Bussing, W., Villalobos, F. 2008. Panbiogeographical analysis of Costa Rican freshwater fishes. *Revista de biología tropical*, 56(1), 165-170.

<https://www.scielo.sa.cr/pdf/rbt/v56n1/art11v56n1.pdf>

Espino Barr, E., Gallardo Cabello, M., García Boa, A., et al. 2008. Growth of the Pacific jack *Caranx caninus* (Pisces: Carangidae) from the coast of Colima, México. *Revista de biología tropical*, 56(1), 171-179. <https://www.scielo.sa.cr/pdf/rbt/v56n1/art12v56n1.pdf>

Andrade, I. & Pequeño, G. 2008. Mesobathic chondrichthyes of the Juan Fernández seamounts: are they different from those of the central Chilean continental slope? *Revista de biología tropical*, 56(1), 181-190. <https://www.scielo.sa.cr/pdf/rbt/v56n1/art13v56n1.pdf>

- Marín Enríquez, E.** 2021. A statistical approach for modeling shallow (<200 m) temperature profiles in the Pacific Ocean off northwestern Mexico. *Ciencias marinas*. 47(3), 147-174. <https://www.cienciasmarinas.com.mx/index.php/cmarinas/article/view/3027/420420578>
- Flores, B., González, N., Bravo, A., et al.** 2021. Identification of pathogenic bacteria in fishes caught in the Pacific off Nicaragua. *Ciencias marinas*. 47(3), 175-184. <https://www.cienciasmarinas.com.mx/index.php/cmarinas/article/view/3212/420420576>
- Tamayo Millán, C.J., Ahumada Sempoal, M.A., Cortés Gómez, A., et al.** 2021. Molecular identification of the first Galapagos fur seal (*Arctocephalus galapagoensis*) reported on the central coast of Oaxaca. *Ciencias marinas*. 47(3), 201-209. <https://www.cienciasmarinas.com.mx/index.php/cmarinas/article/view/3184/420420577>
- Ramos, R., Verde, A., & García, E.M.** 2021. Heavy metals in Venezuelan marine sediments: concentrations, degree of contamination, and distribution. *Ciencias marinas*. 47(3), 285-199. <https://www.cienciasmarinas.com.mx/index.php/cmarinas/article/view/3124/420420575>
- Padilla Serrato, J.G., Nevárez Martínez, M.O., Arizmendi Rodríguez, D.I., et al.** 2021. Biological aspects and habitat use of the Panama brief squid, *Lolliguncula panamensis*, captured in the Gulf of California. *Ciencias marinas*. 47(4), 211-225. <https://cienciasmarinas.com.mx/index.php/cmarinas/article/view/3143/420420588>
- Mendoza Avilés, I., Muñoz Rojas, C.A., Rojas, M., & Estrada, N.** 2021. Loop-mediated isothermal amplification for diagnosing marine pathogens in tissues of *Crassostrea* spp. and white shrimp, *Litopenaeus vannamei*, farmed in Mexico. *Ciencias marinas*. 47(4), 227-239. <https://cienciasmarinas.com.mx/index.php/cmarinas/article/view/3095/420420587>
- Ríos Huerta, D.R., González Hernández, M., Hart, C.E., et al.** 2021. Evaluation of 2 methods of ex situ incubation for sea turtle eggs in terms of nest temperature, hatching success, and hatchling quality. *Ciencias marinas*. 47(4), 241-254. <https://cienciasmarinas.com.mx/index.php/cmarinas/article/view/3225/420420586>
- Jurado Molina, J., García Meléndez, J.J., & Cortes Salgado, M.** 2021. Development of a stochastic bioeconomic model for the red octopus fishery on the Yucatan Peninsula: Implications for management. *Ciencias marinas*. 47(4), 255-268. <https://cienciasmarinas.com.mx/index.php/cmarinas/article/view/3206/420420591>
- Juárez Hernández, L.G., Tapia García, M., & Ramírez Gutiérrez, J.M.** 2021. Ichthyofauna in Maguey Bay, Oaxaca, Mexico, and its relationship with habitat structure. *Ciencias marinas*. 47(4), 269-291. <https://cienciasmarinas.com.mx/index.php/cmarinas/article/view/3235/420420584>
- Rosales Chapula, D.A., Ortega Ortiz, C.D., Llamas González, M., et al.** 2022. Underwater vessel noise in a commercial and tourist bay complex in the Mexican Central Pacific. *Ciencias marinas*. 48. <https://cienciasmarinas.com.mx/index.php/cmarinas/article/view/3214/420420687>
- Ortega Salas, A.A., Núñez Pastén, A., & Camacho, H.A.** 2008. Fecundity of the crustacean *Mysidopsis californica* (Mysida, Mysidae) under semi-controlled conditions. *Revista de biología tropical*, 56(2), 535-539. <https://www.scielo.sa.cr/pdf/rbt/v56n2/art11v56n2.pdf>

Hernández, I., Aguilar, C., & González Sansón, G. 2001. Trophic webs of reef fishes in northwestern Cuba. I. Stomach contents. *Revista de biología tropical*, 56(2), 541-555.
<https://www.scielo.sa.cr/pdf/rbt/v56n2/art12v56n2.pdf>

Alvarez Trasviña, E., Arizmendi Rodríguez, D.I., Marín Enríquez, E., et al. 2022. Distribution and abundance of the Pacific hake, *Merluccius productus*, and relationship with the environment in the Gulf of California, Mexico. *Ciencias marinas*. 48.
<https://cienciasmarinas.com.mx/index.php/cmarinas/article/view/3256/420420686>

Peru

Meza Torres, M.A., Llapapasca Lloclla, M., & Romero, C. 2021. Birds of some beaches of the San Fernando National Reserve (SFNR) Ica, Peru (June 2018 - May 2019)= Junio 2018 – mayo 2019. *Boletín. Instituto del Mar del Perú*, 36(1), 29-43.
<https://doi.org/10.53554/boletin.v36i1.317>

Ganoza Chozo, F., Guzmán Roca, Jesús M., García Nolazco, V., et al. 2020. Environmental and sedimentological condition in the Ferrol Bay, Chimbote (June 2002)= Condiciones ambientales y sedimentológicas de la Bahía Ferrol, Chimbote. Junio 2002. *Boletín. Instituto del Mar del Perú*, 35(2), 304-334.
<https://revistas.imarpe.gob.pe/index.php/boletin/article/view/307/293>

Sierralta, V., Quinto, I., Gamarra Peralta, C., et al. 2020. Effects of pollution on *Orestias* fishes in the inner Puno Bay, Lake Titicaca= Efecto de la contaminación en peces del género *Orestias* en la bahía interior de Puno, Lago Titicaca. *Boletín. Instituto del Mar del Perú*, 35(2), 294-303. <https://revistas.imarpe.gob.pe/index.php/boletin/article/view/306/292>

Escudero Herrera, L., Xu, H., Atiquipa, J., & Velaochaga, G. 2020. Mapping of the distribution of *Lessonia nigrescens* through SPOT-6 satellite images in the Moquegua Region= Mapeo de la distribución de la macroalga *Lessonia nigrescens* usando imágenes de satélite SPOT-6 en la Región Moquegua. *Boletín. Instituto del Mar del Perú*, 35(2), 257-270. <https://revistas.imarpe.gob.pe/index.php/boletin/article/view/304/290>

Uribe Alzamora, R., Atoche Suclupe, D., Paredes Paredes, J., & Seclén Leyva, J. 2020. Bioecological features of the red macroalgae *Chondracanthus chamissoi* (C. Agardh) Kützinger (Rhodophyta, Gigartinaceae) in the intertidal zone of northern Peru= Características bioecológicas de la macroalga roja *Chondracanthus chamissoi* (C. Agardh) Kützinger (Rhodophyta, Gigartinaceae) en la zona intermareal del norte del Perú. *Boletín. Instituto del Mar del Perú*, 35(2), 271-293.
<https://revistas.imarpe.gob.pe/index.php/boletin/article/view/305/291>

Tito, L., Vera, M., Perea de la Matta, Á., & Inga, C. 2020. E.Histologically validated macroscopic gonadal maturity scale of *Diplectrum conceptione* (Perciformes: Serranidae)= Escala de madurez gonadal macroscópica de *Diplectrum conceptione* (Perciformes: Serranidae) validada histológicamente. *Boletín. Instituto del Mar del Perú*, 35(2), 368-377.
<https://revistas.imarpe.gob.pe/index.php/boletin/article/view/310/296>

Valdivia-Chávez, D., Santamaría, J., Campos-León, S., et al. 2020. Taxonomic list of benthic marine invertebrates of Arequipa, Peru= Lista taxonómica de invertebrados bentónicos marinos de Arequipa, Perú. *Boletín. Instituto del Mar del Perú*, 35(2), 378-395.
<https://revistas.imarpe.gob.pe/index.php/boletin/article/view/311/297>

Berrú Paz, P.M. 2020. First record of *Oxynoe panamensis* (Pilsbry & Olsson, 1943) (Mollusca: Opisthobranchia) in the Ancash Region, Peru (2016-2017)= Primer registro de *Oxynoe panamensis* (Pilsbry & Olsson, 1943) (Mollusca: Opisthobranchia) en la Región Áncash, Perú. (2016-2017). *Boletín. Instituto del Mar del Perú*, 35(2), 401-411. <https://revistas.imarpe.gob.pe/index.php/boletin/article/view/314/299>

Vásquez Ruiz, C., Moreno-Méndez, A., Campos-León, S., & Rebaza Castillo, V. 2020. First report of *Haemulon sexfasciatum* Gill, 1862 (Perciformes: Haemulidae) in northern Peru= Primer reporte del “ronco almejero” *Haemulon sexfasciatum* Gill, 1862 (Perciformes: Haemulidae) en el norte del Perú. *Boletín. Instituto del Mar del Perú*, 35(2), 412-416. <https://revistas.imarpe.gob.pe/index.php/boletin/article/view/315/300>

Roque-Sánchez, M.A. & Paredes Bulnes, F. 2020. First record of a tiger shark *Galeocerdo cuvier* (Péron & Lesueur, 1822) (Carcharhiniformes: Carcharhinidae) in the coastal area of Ica, Peru= *Galeocerdo cuvier* (Péron & Lesueur, 1822) (Carcharhiniformes: Carcharhinidae) tiburón tigre, nuevo registro para la zona costera de Ica, Perú. *Boletín. Instituto del Mar del Perú*, 35(2), 396-400. <https://revistas.imarpe.gob.pe/index.php/boletin/article/view/313/298>

Uruguay

Rodríguez Perera, G.R. 2019. *Detección de microplásticos en mejillón (Mytilus edulis) de la costa atlántica uruguaya*. Tesis de grado. Montevideo : Udelar.FV. <https://www.colibri.udelar.edu.uy/jspui/handle/20.500.12008/25795>

Mosquera Núñez, R.L. 2021. *Cohesive sediment dynamics in the Río de la Plata*. Tesis de doctorado. Montevideo : Udelar. FI. IMFIA. <https://www.colibri.udelar.edu.uy/jspui/handle/20.500.12008/26464>

Maciel Yo, F. 2022. *Satellite remote sensing for water quality applications in optically complex coastal waters the case of the Río de la Plata estuary*. Thesis PhD. Tesis de doctorado. Montevideo : Udelar. FI. IMFIA. <https://www.colibri.udelar.edu.uy/jspui/handle/20.500.12008/33008>

Suárez de León, B.A. 2021. *Respuesta de los macroinvertebrados acuáticos a diferentes usos del suelo en arroyos de Uruguay propuesta de monitoreo biológico de ecosistemas fluviales*. Montevideo : Udelar. FI. IMFIA.

Santoro, P. 2017. *Numerical modeling of Montevideo Bay hydrodynamics and fine sediment dynamics*. Tesis de doctorado. Montevideo : Udelar. FI. IMFIA. <https://www.colibri.udelar.edu.uy/jspui/handle/20.500.12008/10516>

Minteguiaga Boutureira, M.E. 2016. *Descripción de cortejo, cópula e interacción madre-cría en carpincho (H. hydrochaeris), en condiciones de cría intensive*. Tesis de maestría. Montevideo : Udelar, FV. <https://www.colibri.udelar.edu.uy/jspui/handle/20.500.12008/24015>

Pastor Nicolai, G.M. 2008. *Nerocila fluviatilis Schiödte y Meinert, 1881 (Isopoda: Cymothoidae), descripción taxonómica y aspectos poblacionales y ecológicos en aguas uruguayas*. Tesis de grado. Montevideo : Udelar, FV. <https://www.colibri.udelar.edu.uy/jspui/bitstream/20.500.12008/19237/1/FV-27841.pdf>

Benitez, A. 2005. Comparación de vida útil de defecados de músculo de pescado con ácido tricloroacético al 5 por ciento, almacenados a temperatura de refrigeración (=4°C) y

congelación (= -20°C). Montevideo : Udelar, FV.

<https://www.colibri.udelar.edu.uy/jspui/bitstream/20.500.12008/19293/1/FV-26665.pdf>

Guedes Álvez, K.R. & Pereira Tomás, M.L. 2009. *Estudio de los ectoparásitos presentes en Carassius auratus (Pisces: Cyprinidae) introducidos ilegalmente a Uruguay*. Tesis de grado, Universidad de la República (Uruguay). Facultad de Veterinaria.

<https://www.colibri.udelar.edu.uy/jspui/handle/20.500.12008/19264>

Bessonart, S. & Ciarán, E. 2009. *Evaluación del riesgo sanitario en el manejo del agua en establecimientos lecheros de Ecilda Paullier Departamento de San José*. Tesis de grado, Universidad de la República (Uruguay). Facultad de Veterinaria.

<https://www.colibri.udelar.edu.uy/jspui/handle/20.500.12008/19249>