

Supplementary Table S3. List of reviewed articles for “How is Pelagic *Sargassum*-associated Biodiversity Assessed? Insights from the Literature”.

1. Bennice, C.O. and W.R. Brooks. 2016. Habitat selection among fishes and shrimp in the pelagic *Sargassum* community: The role of habitat architecture. *Gulf of Mexico Science* 33:1-13. <https://doi.org/10.18785/goms.3301.01>.
2. Bortone, S.A., P.A. Hastings, and S.B. Collard. 1977. The pelagic - *Sargassum* ichthyofauna of the eastern Gulf of Mexico. *Northeast Gulf Science* 1:60-67. <https://doi.org/10.18785/negs.0102.02>.
3. Butler, J.N., B.F. Morris, J. Cadwallader, and A. Stoner. 1983. Studies of *Sargassum* and the *Sargassum* community. Special Publication 22, Bermuda Biological Station for Research, Inc., St. George's, Bermuda. 307 p.
4. Calder, D.R. 1995. Hydroid assemblages on holopelagic sargassum from the Sargasso Sea at Bermuda. *Bulletin of Marine Science* 56:537-546.
5. Casazza, T. and S. Ross. 2008. Fishes associated with pelagic *Sargassum* and open water lacking *Sargassum* in the Gulf Stream off North Carolina. *Fishery Bulletin* 106:348–363. <http://hdl.handle.net/1834/25466>.
6. Comyns, B.H., N.M. Crochet, J.S. Franks, J.R. Hendon, and R.S. Waller. 2000. Preliminary assessment of the association of larval fishes with pelagic *Sargassum* habitat and convergence zones in the northcentral Gulf of Mexico. *Proceedings of the Gulf and Caribbean Fisheries Institute* 53:636–645.
7. Dooley, J.K. 1972. Fishes associated with the pelagic *Sargassum* complex, with a discussion of the *Sargassum* community. *Contributions in Marine Science* 16:1–32.
8. Fine, M.L. 1970. Faunal variation on pelagic *Sargassum*. *Marine Biology* 7:112–122. <https://doi.org/10.1007/BF00354914>.
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10. Hoffmayer, E.R., J.S. Franks, B.H. Comyns, J.R. Hendon, and R.S. Waller. 2005. Larval and juvenile fishes associated with pelagic *Sargassum* in the northcentral Gulf of Mexico. *Proceedings of the Gulf and Caribbean Fisheries Institute* 56:259–269.
11. Huffard, C.L., S. von Thun, A.D. Sherman, K. Sealey, and K.L. Smith. 2014. Pelagic *Sargassum* community change over a 40-year period: Temporal and spatial variability. *Marine Biology* 161:2735–2751. <https://doi.org/10.1007/s00227-014-2539-y>.
12. Martin, L.M. 2016. Pelagic *Sargassum* and its associated fauna in the Caribbean, Gulf of Mexico and Sargasso Sea. M.S. thesis, Texas A&M University, Galveston, TX, USA, 87 p.
13. Martin, L.M., M. Taylor, G. Huston, D.S. Goodwin, J.M. Schell, and A.N.S. Siuda. 2021. Pelagic *Sargassum* morphotypes support different rafting motile epifauna communities. *Marine Biology* 168:115. <https://doi.org/10.1007/s00227-021-03910-2>.
14. Martinelli-Filho, J.E., L.M. Morais, and D. Aviz. 2017. Can the invertebrate fauna associated to pelagic *Sargassum* landings in the Brazilian Amazon coast aid us to understand its origin and dispersion? *Proceedings of the Gulf and Caribbean Fisheries Institute* 69:203-204.
15. Mendoza-Becerril, M.A., E. Serviere-Zaragoza, A. Mazariegos-Villarreal, C. Rivera-Perez, D.R. Calder, E.F. Vázquez-Delfín, Y. Freile-Pelegrín, J. Agüero, and D. Robledo.

2020. Epibiont hydroids on beachcast *Sargassum* in the Mexican Caribbean. PeerJ 8:e9795. <https://doi.org/10.7717/peerj.9795>.
16. Monroy-Velázquez, L.V., R.E. Rodríguez-Martínez, B.I. van Tussenbroek, T. Aguiar, V. Solís-Weiss, and P. Briones-Fourzán. 2019. Motile macrofauna associated with pelagic *Sargassum* in a Mexican reef lagoon. *Journal of Environmental Management* 252:109650. <https://doi.org/10.1016/j.jenvman.2019.109650>.
 17. Moser, M.L., P.J. Auster, and J.B. Bichy. 1998. Effects of mat morphology on large *Sargassum*-associated fishes: Observations from a remotely operated vehicle (ROV) and free-floating video camcorders. *Environmental Biology of Fishes* 51:391–98. <https://doi.org/10.1023/A:1007493412854>.
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 19. Rooker, J., J. Turner, and S. Holt. 2006. Trophic ecology of *Sargassum*-associated fishes in the Gulf of Mexico determined from stable isotopes and fatty acids. *Marine Ecology Progress Series* 313:249–259. <https://doi:10.3354/meps313249>.
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 21. Schell, J., A.N.S. Siuda, and D.S. Goodwin. 2016. Shipboard observation of pelagic *Sargassum* spp. reveals proliferation of a rare form and differences in associated mobile fauna community structure. In *Proceedings of the Gulf and Caribbean Fisheries Institute* 68:421–23
 22. Settle, L. 1993. Spatial and temporal variability in the distribution and abundance of larval and juvenile fishes associated with pelagic *Sargassum*. M.S. Thesis, University of North Carolina, Wilmington, NC, USA, 64 p.
 23. Shadle, S., O. Lestrade, F. Elmer, and F. Hernandez Jr. 2019. Estimation and comparison of epiphyte loading on holopelagic *Sargassum fluitans* collected in the North Atlantic Ocean and the Gulf of Mexico. *Gulf and Caribbean Research* 30:SC42-SC46. <https://doi.org/10.18785/gcr.3001.16>.
 24. Siuda, A., D.S. Goodwin, J.M. Schell, E. Alley, D. Bloch, S. Canning, W. Hutcheson, A. Hunter, K. McKeegan, K. Petersen, R. Petersen-Rockney, K. Running, L.A. Cooney, and A.F. Govindarajan. 2017. Genetic variation among morphological forms of pelagic *Sargassum* and associated hydroids. *Proceedings of the Gulf and Caribbean Fisheries Institute* 69:220–221.
 25. Stoner, A.W., and H.S. Greening. 1984. Geographic variation in the macrofaunal associates of pelagic *Sargassum* and some biogeographic implications. *Marine Ecology Progress Series* 20:185–192. <https://doi.org/10.3354/meps020185>.
 26. Taylor, S.M. 2015. Ichthyoplankton composition in the loop current and *Sargassum* habitats in the northern Gulf of Mexico. M.S. thesis, University of Southern Mississippi, Hattiesburg, MS, USA, 88 p.
 27. Taylor, M., A.N.S. Siuda, D. S. Goodwin, G. Huston, and J. Schell. 2017. Biogeographic and temporal changes in mobile fauna community on pelagic *Sargassum* in the Caribbean Sea, 2015–2016. *Proceedings of the Gulf and Caribbean Fisheries Institute* 69:200–202.
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