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Doctorado en Ciencias en Bioeconomía
Pesquera y Acuícola



Categoría: Profesor Investigador D

Nivel SNI: I

Programa de Adscripción: Escuela de Recursos naturales, Universidad Marista Mérida

Líneas o especialidades de investigación:

- Bioeconomía pesquera
- Análisis espacial de pesquerías
- Teoría de decisiones aplicada a pesquerías y acuicultura

Publicaciones selectas:

Libros

- **Seijo, J.C.** & J.G. Sutinen (Editors). 2018. *Advances in Fisheries Bioeconomics: Theory and Policy*. Routledge, Taylor and Francis. 196 p.
- Orensanz, J., **J.C. Seijo**. (Editors). 2013. *Rights-based management in Latin American fisheries*. FAO Fisheries and Aquaculture Technical Papers. FAO, United Nation, Rome. 151p.
- Salas, S.; R. Chuenpagdee, A. Charles & **J.C. Seijo (eds)**. 2011. *Coastal fisheries of Latin America and the Caribbean*. FAO Fisheries Technical Paper. No. 544. Rome, FAO. 430p
- Anderson, L.G. & **J.C. Seijo**. 2010. *Bioeconomics of Fisheries Management*. Wiley-Blackwell, New Jersey. 305 p.
- **Seijo, J.C.**; O. Defeo & S. Salas. 1998. *Fisheries bioeconomics: theory, modelling and management*. Daya Publishing House, New Dehli.108p.
- **Seijo, J.C.**; J.F. Caddy & J. Euan. 1994. *SPATIAL: Space-time dynamics in marine fisheries, a bioeconomic software package for sedentary species*. FAO Comp. Inf. Series. Fish. 116 p.

Publicaciones científicas selectas y capítulos de libros

- **Seijo, J.C.**, R. Villanueva. 2018. Bioeconomics of ocean acidification. In: Seijo, J.C. and J.G. Sutinen (eds.). *Advances in Fisheries Bioeconomics: Theory and Policy*. Routledge, Taylor and Francis. Pp. 58-76.
- Duarte, José A., A. Hernández-Flores, S. Salas, **J. C. Seijo**. 2018. Is it sustainable fishing for *Octopus maya* Voss and Solis, 1966, during the breeding season using a bait-based fishing technique? Fisheries Research, 199:119–126.

- **Seijo, J.C.**, A. Hernandez, J.A. Negreiros Aragao, M.A. Cabrera, M. Yspol. 2017. Bioeconomics of shrimp and groundfish fisheries of the Brazil-Guianas shelf. In: FAO Fisheries and Aquaculture Circular 1120:1-48.
- Villanueva R., **J.C. Seijo**, M. Headley, A.M. Arce, E. Sosa, D. Lluch-Cota. 2017. Distributional performance of a territorial use rights and co-managed small-scale fishery. *Fisheries Research*. 194C: 135-145.
- Arce-Ibarra A.M., **J.C. Seijo**, M. Headley, K. Infante-Ramírez, R. Villanueva. 2017. Rights-based coastal ecosystem use and management: From open access to community managed access rights. In: Armitage D., A. Charles, F. Berkes. *Governing the coastal commons*. Routledge. Chapter 4. 60-80.
- Headley M., **Seijo J.C.**, Hernández A., Cuevas Jiménez A., Villanueva Poot R. 2017. Spatiotemporal bioeconomic performance of artificial shelters in a small-scale, rights-based managed Caribbean spiny lobster (*Panulirus argus*) fishery. *Sci. Mar.* 81(1): 67-79.
- Aranceta-Garza, F., F. Arreguín-Sánchez, G. Ponce-Díaz, **J.C. Seijo**. 2016. Natural mortality of three commercial penaeid shrimps (*Litopenaeus vannamei*, *L. stylirostris* and *Farfantepenaeus californiensis*) of the Gulf of California using gnomonic time division. *Scientia Marina* 80(2): 199-206.
- **Seijo J. C.**, Villanueva-Poot R. & Charles A., 2016. Bioeconomics of ocean acidification effects on fisheries targeting calcifier species: A decision theory approach. *Fisheries Research*, 176:1–14.
- Cooley, S., A. Charles, A. Andersson, A. Arkhipkin, V. Lam, **J.C. Seijo** & J.P. Gattuso. 2015. Central and South Atlantic Region. In Hilmi N., Allaman D., C. Kavanagh, D. Laffoley, M. Metian., S. Reynaud. (eds.). *Bridging the Gap Between Ocean Acidification Impacts and Economic Valuation: Regional Impacts of Ocean Acidification on Fisheries and Aquaculture*. Gland, Switzerland: IUCN. 136p.
- **Seijo, J.C.** and S. Salas. 2014. The role of capacity building for improving governance of fisheries and conservation of marine ecosystems. In: García S., J. Rice and A. Charles (Eds.). *Governance of Marine Fisheries and Biodiversity Conservation: Interaction and Co-evolution*. Wiley-Blackwell. 552p.
- **Seijo, J.C.**, A.M. Arce, E. Pérez, A. Hernández, M.A. Cabrera. 2013. *Latin-American Rights-Based Fisheries Targeting Fish Species*. In: Orensanz, J., J.C. Seijo (Eds). *Rights-based management in Latin American fisheries*. FAO Fisheries and Aquaculture Technical Papers. Pp: 97-151.
- **Seijo, J.C.**; J.F. Caddy; W.W. Arzapalo & A. Cuevas. 2013. Considerations for an ecosystem approach to management in the Southern Gulf of México. In: J. W. Day & A. Yáñez-Arancibia (eds.), *The Gulf of Mexico: Ecosystem-Based Management*. Texas A&M University Press, Corpus Christi. Pp 319-336.
- Gardner, C.; S. Larkin & **J.C. Seijo**. 2013. Systems to maximize benefits in lobster fisheries. In: Phillips, B. (Ed.) *Lobster: Biology, Management, Aquaculture and Fisheries*. John Wiley & Sons, Ltd. pp. 113-138.
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- **Seijo, J.C.**, Charles A., Chuenpagdee R. & Salas, S. 2011. Towards sustainability for coastal fisheries of Latin America and the Caribbean: affective governance and healthy ecosystems. In: S. Salas, R. Chuenpagdee, A. Charles & J.C. Seijo (eds). Coastal fisheries of Latin America and the Caribbean. FAO Fisheries Technical Paper. No. 544. Rome, FAO. pp. 399-417.
- **Seijo, J.C.** 2009. Spatial bioeconomics analysis of marine fisheries. In P. Zafran (ed.). Fisheries and Aquaculture. *Encyclopedia of Life Support Systems (EOLSS)*, 5:38-52.
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- **Seijo, J.C** and J.F. Caddy. 2008. Port location for inshore fleets affects the sustainability of coastal source-sink resources: implications for spatial management of metapopulations. *Fisheries Research*, 91(2-3):336-348.
- **Seijo, J.C.** 2008. The role of economics in mitigating unsustainability of fisheries: Dealing with ecosystems, governance and environmental fluctuations. *Marine Resource Economics*, 23:295-300.
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- De Anda, J.A. & **J.C. Seijo**. 1999. Bioeconomics of the Pacific sardine (*Sardinops sagax*) fishery in the Gulf of California, México. *CALCOFI Rep.*, 40:170-178.
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- Díaz de León, A., **J.C. Seijo**. 1992. Multi-Criteria non-linear optimization model for the control and management of a tropical fishery. *Marine Resource Economics* 7: 23-40.

Tesis concluidas:

- Duarte Canul, José Antonio. 2017. Análisis bioeconómico estacional en pesquerías de especie de ciclo de vida corto: la pesquería de pulpo *Octopus maya* de la plataforma continental de Yucatán. (Co-director, Tesis Doctoral, UMM).
- Villanueva Poot, Raúl Roberto. 2017. Análisis de equidad en la pesquería artesanal de langosta espinosa *Panulirus argus* en Punta Allen, Quintana Roo, México: un enfoque bioeconómico. (Tesis Doctoral, UMM).
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- Aranceta Garza, Fernando. 2017. Análisis bioeconómico de la pesquería del camarón en el Golfo de California. (Tesis Doctoral, CICIMAR).
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- Galindo Cortes, Gabriela. 2011. Enfoque Precautorio Aplicado a Recursos Pesqueros Fluctuantes: Un Análisis Bioeconómico para la Sardina del Pacífico. (Tesis Doctoral, CIBNOR).
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- Buenfil Pasos, Carlos Guillermo. 2008. Análisis comparativo de las pesquerías de langosta espinosa (*Panulirus argus*) en la región COPACO (Comisión de Pesquerías del Atlántico Centro Occidental). (Licenciatura).
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- Arzápalo Centeno, William Wilberth. 2004. Efectos del hermafroditismo protogíneo del mero (*Epinephelus morio*) en el análisis bioeconómico de la pesquería. (Licenciatura).
- Duarte Canul, José Antonio. 2002. Efectos bioeconómicos del desplazamiento de la veda del pulpo *Octopus maya* (Voss y Solis, 1966) en la plataforma continental de Yucatán. (Licenciatura).

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