

## **SELECTED PUBLICATIONS**

- Hyun, S.-Y.**, Y. Chen, T. Kitakado, I. Chernienko, J. Wo, M. Sun, and R. Sharma. 2025. Northwest Pacific FAO major fishing area 61. In Sharma, R. et al. (Eds.) *Review of the state of world marine fishery resources 2025* (pp. 215~227). FAO Fisheries and Aquaculture Technical Paper 721.
- Hyun, S.-Y.**, and C.J. Cunningham. 2022. A new in-season forecast density of anadromous fish return abundance. *Fisheries Research*. 256, 106467.  
<https://doi.org/10.1016/j.fishres.2022.106467>.
- Hyun, S.-Y.**, and K. Kim. 2022. An evaluation of estimability of parameters in the state-space non-linear logistic production model. *Fisheries Research* 245:106135.
- Hyun, S.-Y.** 2018. A general production model with dependence between data from multiple surveys. *Journal of Applied Ichthyology*: 1-9. DOI: 10.1111/jai.13622
- Miller, T. J., and **S.-Y. Hyun**. 2017. Evaluating evidence for alternative natural mortality and process error assumptions using a state-space, age-structured assessment model. *Canadian Journal of Fisheries and Aquatic Sciences* 75:691-703.
- Hyun, S.-Y.**, Maunder, M. N., and Rothschild, B. J. 2015. Importance of modelling heteroscedasticity of survey index data in fishery stock assessments. *ICES Journal of Marine Science: Journal du Conseil*, 72: 130-136.
- Hyun, S.-Y.**, Cadrin, S. X., and Roman, S. 2014. Fixed and mixed effect models for fishery data on depth distribution of Georges Bank yellowtail flounder. *Fisheries Research*, 157: 180-186.
- Sharma, R., A. Langley, M. Herrera, J. Geehan, and **S.-Y. Hyun**. 2014. Investigating the influence of length-frequency data on the stock assessment of Indian Ocean Bigeye Tuna. *Fisheries Research* 158: 50-62.
- O'Connell, C.P., **S.-Y. Hyun**, S.H. Gruber, T.J. O'Connell, G. Johnson, K. Grudecki, and P. He. 2014. The Use of Permanent Magnets to Reduce Elasmobranch Encounter with a Simulated Beach Net. 1. The Bull Shark (*Carcharhinus leucas*). *Ocean & Coastal Management*, 97: 12-19.
- Hyun, S.-Y.**, M.L. Keefer, M.A. Jepson, C.C. Caudill, J.K. Fryer, R. Sharma, J.M. Whiteaker, and G.P. Naughton. 2012. Population-specific escapement of Columbia River fall Chinook salmon: tradeoffs among estimation techniques. *Fisheries Research*. 129-130: 82-93.
- Hyun, S.-Y.**, R. Sharma, J.K. Carlile, J.G. Norris, G. Brown, R.J. Briscoe, and D. Dobson. 2012. Integrated forecasts of fall Chinook salmon returns to the Pacific Northwest. *Fisheries Research* 125-126: 306-317.
- Rothschild, B.J., Y. Jiao, and **S.-Y. Hyun**. 2012. Simulation study of biological reference points for the summer flounder. *Transactions of the American Fisheries Society* 141: 426-436.
- Hyun, S.-Y.**, J.H. Reynolds, and P.F. Galbreath. 2012. Accounting for tag loss and its uncertainty in a mark-recapture study with a mixture of single- and double tags. *Transactions of the American Fisheries Society* 141: 11-25.
- Hyun, S.-Y.**, and R. Sharma. 2007. Bayesian decision analysis for status of Snake River spring-summer Chinook salmon *Oncorhynchus tshawytscha* populations at extinction risk. *Fisheries Science* 73: 808-816.

- Hyun, S.-Y.,** K.W. Myers, and A. Talbot. 2007. Year-to-year variability in ocean recovery rate of Columbia River Upriver Bright fall Chinook salmon (*Oncorhynchus tshawytscha*). Fisheries Oceanography 16:4, 350-362.
- Hyun, S.-Y.,** R. Hilborn, J.J. Anderson, and B. Ernst. 2005. A statistical model for in-season forecasts of sockeye salmon (*Oncorhynchus nerka*) returns to the Bristol Bay districts of Alaska. Canadian Journal of Fisheries and Aquatic Sciences 62: 1665-1680.