Brian J. Rothschild

Montgomery Charter Professor of Marine Science and Technology
Department of Fisheries Oceanography
School for Marine Science and Technology
University of Massachusetts Dartmouth
Co-Director
Massachusetts Marine Fisheries Institute

Research Interests
Population dynamics, biological oceanography, fisheries management, and natural resources policy. Dr. Rothschild has served on many national and international committees, and has held faculty or other associations with such institutions as Harvard University, Scripps Institution of Oceanography, and the Woods Hole Oceanographic Institution. His research and service have been widely recognized, in 2004 by the Outstanding Achievement Award from the American Institute of Fishery Research Biologists, and most recently with NOAA's 2007 Sustainability Fisheries Leadership Award.

Current Funding
- NOAA, New England Multispecies Survey
- NOAA, Scallop Fishery Assessment
- Comm. of MA/MOBD, Massachusetts Fisheries Recovery Commission
- NOAA, A Northeastern Regional Association of Coastal Ocean Observing Systems (NERACOOS)

Selected Recent Publications
Beamish, Richard J., and **Brian J. Rothschild** (Eds.), 2009. *The Future of Fisheries Science in North America*, "Fish and Fisheries" Series, Vol. 31, Springer, NY, 736 p.

Chen, C., L. Zhao, G. Cowles, and **B. Rothschild**, 2008 (in press). Tide-, buoyancy- and wind-driven circulation in Narragansett Bay. Book chapter in *Ecosystem-Based-Management of A Southern New England Estuary: A Case Study of Narragansett Bay*, edited by A. Desbonnet and B.A. Costa-Pierce, Springer-Verlag, NY.

Chen, C**.**, L. Zhao, G. Cowles and **B. Rothschild**, 2008. Critical issues for modeling studies of Narragansett Bay and Mount Hope Bay. Book chapter in *Science for Ecosystem-based Management, Narragansett Bay in the 21st Century*, 10.1007/978-0-387-35299-2, 281-300.

Lilly, G. R., K. Wieland, **B. J. Rothschild**, S. Sundby, K. F. Drinkwater, K. Brander, G. Ottersen, J. E. Carscadden, G. B. Stenson, G. A. Chouinard, D. P. Swain, and N. Daan, 2008. Decline and recovery of Atlantic cod (*Gadus morhua*) stocks throughout the North Atlantic. In *Resiliency of Gadid Stocks to Fishing and Climate Change*, edited by Gordon H. Kruse, Kenneth Drinkwater, J. N. Ianelli, J. S. Link, D. L. Stram, V. Wespestad, and D. Woodby. Alaska Sea Grant College Program, AK-SG-08-01, Fairbanks, Alaska. pp. 39-66.

Gröger, J. P., R. A. Rountree, U. H. Thygesen, D. Jones, D. Martins, Q. Xu, and **B. J. Rothschild,** 2007. Geolocation of Atlantic cod (*Gadus morhua*) movements in the Gulf of Maine using tidal information. *Fish. Oceanogr. 16*(4), 317-335.

Rothschild, B. J., 2007. Coherence of Atlantic cod stock dynamics in the northwest Atlantic Ocean. *T. Am. Fish. Soc. 136*, 858-874.

Sundermeyer, M.A., **B.J. Rothschild** and A.R. Robinson, 2006. Assessment of environmental correlates with the distribution of fish stocks using a spatially explicit model. *Ecological Modelling 197*, 116-132.

Rothschild, B.J., C. Chen, and R.G. Lough, 2005. Managing fish stocks under climate uncertainty. *ICES J. Mar. Sci., 62*, 1531-1541.

Rothschild, B.J., 2005. Multiple scales in space and time. In: *The Sea*, Volume 13. Edited by Allan R. Robinson and Kenneth H. Brink. Harvard University Press, Cambridge, MA and London, pp. 61-98.

Robinson, A.R., K.H. Brink, H.W. Ducklow, R.A. Jahnke, and **B.J. Rothschild**, 2005. Interdisciplinary multiscale coastal dynamical processes and interactions. In *The Sea*, Volume 13. Edited by Allan R. Robinson and Kenneth H. Brink. Harvard University Press, Cambridge, MA and London, pp. 3-35.

Rothschild, B.J., and L.J. Shannon, 2004. Regime shifts and fishery management. *Prog. Oceanogr., 60*, 397-402.

Robinson, A.R., J.J. McCarthy and **B.J. Rothschild** (Eds.), 2002. *The Sea: Biological-Physical Interactions in the Sea*. John Wiley & Sons, Inc., New York.