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Education:

- 1990 Ph.D. North Carolina State University, Zoology (Oceanography minor)
- 1984 M.S. North Carolina State University, Ecology
- 1981 B.Sc. (Hons). University of York, Human and Environmental Biology

Professional Background:

- 1994-present Professor, Associate Professor, Assistant Professor, Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science
- 1990-1994 Post-doctoral Fellow, McGill University, Montreal

Research Interests

Fisheries ecology; Population dynamics and stock assessment; Quantitative methods in ecology

Publications (Last three years)

- Salice, C. J., T. J. Miller and G. Roesijadi. 2008. Demographic responses to multi-generational cadmium exposure in two strains of the freshwater gastropod *Biomphalaria glabrata*. Archives of Environmental Contamination and Toxicology 56:000-000
- Wilberg, M. J., T. F. Ihde, T. J. Miller and D. H. Secor. 2008. Enhancing sustainability in marine recreational fisheries: a stakeholder-driven process for evaluating angling practices and management options for king mackerel in the U.S. ICES CM 2008/K:17
- Kendall, M. S. and T. J. Miller. 2008. The influence of thematic and spatial resolution on maps of a coral reef ecosystem. Marine Geodesy 31:75-102.
- Frisk, M. G., T. J. Miller, S. J. D. Martell and K. K. Sosebee. 2008. New hypothesis helps explain elasmobranch "outburst" on Georges Bank in the 1980's. Ecological Applications 18:234-245.
- Wilburg, M. J. and T. J. Miller. 2007. Problems with inferences of fish population dynamics based on maximum catch. Science. 316:1285.
- Miller, T. J. 2007. Contribution of individual-based coupled physical biological models to understanding recruitment in marine fish populations. Marine Ecology Progress Series. 347:127-138
- Nye, J. A., D. D. Davis and T. J. Miller. 2007. The effect of maternal exposure to contaminated sediment on the growth and condition of larval *Fundulus heteroclitus*. Aquatic Toxicology 82:242-250
- Hewitt, D. A., D. M. Lambert, J. M. Hoenig, R. N. Lipcius, D. B. Bunnell and T. J. Miller 2007. Direct and indirect estimates of natural mortality for blue crab. Trans. Am. Fish. Soc. 136:1030-1040.
- Miller, T. J. 2006. Patterns of total removals. Pages 189-212 In Fisheries ecosystem planning for the Chesapeake Bay. American Fisheries Society, Trends in Fisheries Science and Management 3, Bethesda, Maryland.
- Caldarone, E. M., C. M. Clemmesen, T. J. Miller, A. Folkvord, E. Berdalet, G. J. Holt, I. M. Suthers. 2006. Intercalibration of four spectrofluorometric methods for measuring RNA-DNA ratios in larval and juvenile fish. Limnol & Oceanogr Methods 4:153-163.

Brylawski, B. J. and T. J. Miller. 2006. Temperature-dependent growth of the blue crab (*Callinectes sapidus*), a molt process approach. *Can. J. Fish. Aquat. Sci.*63:1298-1308.

Frisk, M. G. and T. J. Miller. 2006. Age and growth of winter skate and little skate. *Can. J. Fish. Aquat. Sci.* 63:1078-1091

Jensen, O. P., M. C. Christman and T. J. Miller. 2006. Landscape-based geostatistics: A case study of the distribution of blue crab in Chesapeake Bay. *Environmetrics*.17:605-621.

Fulford, R. S., J. A. Rice, T. J. Miller, F. P. Binkowski, J. M. Detmers and B. Belonger. 2006. Foraging selectivity by larval yellow perch (*Perca flavescens*): Implications for understanding recruitment in small and large lakes. *Can. J. Fish. Aquat. Sci.*63:28-42

Fulford, R. S., J. A. Rice, T. J. Miller and F. P. Binkowski. 2006. Elucidating patterns of size-dependent predation on larval yellow perch (*Perca flavescens*) in Lake Michigan: an experimental and modeling approach. *Can. J. Fish. Aquat. Sci.* 63:11-27

Synergistic activities

International: ICES Working group on Recruitment Processes (2002-, chair 2004-), ICES WG Physical-Biological Interactions (2004 -)- **National** NOAA NEFSC Stock Assessment Review Committee 2001, 2008 (Chair); Maryland Sea Grant, Scientific Advisory Committee, 2005-present; Virginia Sea Grant Review Panel (2003-2006); Mid-Atlantic Fishery Management Council's Scientific and Technical Committee member (2001 -); Atlantic States Marine Fisheries Commission Menhaden and Croaker Review Panel 2003, ASFMC Tautog Review Panel (2005, Chair) -**Regional:** Chesapeake Bay Fishery Ecosystem Plan Panel (2000 -), Chesapeake Bay Stock Assessment Committee (1999-); Scientific advisor to Potomac River Fisheries Commission (2006 -)

Professional Recognition

Personal: President's Award for Excellence, UMCES 2001; Graduate Education Award, UMCES 1998, 2008; Best Student Paper Award, Am. Fish Soc 1987; Plenary Speaker, Larval Fish Conference 2006; ICES Workshop on Physical Biological Interactions 2006; EcoNORTH – International conference on the Northern Ocean Ecosystems 2007.

LIST of Colloborators (Last 3 years outside of UMCES)

A. Bundy (BIO/DFO- Canada), E. Berdalet (CMIMA, CSIC, Spain), F. P. Binkowski (UW-Milwaukee); E. M. Caldarone (NOAA), J. S. Collie (URI), K Clemmesen (U. Kiel); L. Fegley (MD DNR); A. Folkvord (U. Bergen); M. K. Frisk (Stony Brook); R. S. Fulford (U. South Miss); J. Hare (NEFSC/NMFS); J. M. Hoenig (VIMS); G. J. Holt (UT-Port Aransas); C. M. Jones (ODU); R. Latour (VIMS); J. S. Link (NMFS); R. N. Lipcius (VIMS); S. J. D. Martell (UBC), R. M. D. Nash (U. Bergen); P. Pepin, (DFO-Canada) J. A. Rice (NCSU); W. Richkus (Versar); A. F. Sharov (MD DNR), T. A. Target (U.Del), H. Townsend (NCBO/NOAA); J. H. Volstad (IMR-Bergen)

Graduate Students and Post-doctoral Fellows: **MS:** L. J. Bauer, K. K. Brewster-Geisz, B. J. Brylawski, V. Caceres, M. A. Chenery, J. M. Coakley, K, L, Curti, E. A. Everts, O. P. Jensen. **current:** J. Edwards, – **PhD:** L. Alade, M. G. Frisk, M. Kendall; J. A. Nye. **current:** A. Peer – **Post-doc** D. B. Bunnell, M. G. Frisk, **current:**-T. Ihde.

Advisors: **MS** – S. Mozley (NCSU), **Ph.D.** L. B. Crowder (NCSU), **Post-doc.** W. C. Leggett (McGill)