

Kevin G. Sellner

Position: Executive Director, Chesapeake Research Consortium, Inc., 645 Contees Wharf Road, Edgewater, MD, 21037; phone: (410) 798-1298, (301) 261-4500; FAX: (410) 798-0816; cell: 410-693-2067; e-mail: sellnerk@si.edu

Education

1978 Ph.D., Oceanography; Dalhousie University, Halifax, Nova Scotia, Canada.
1973 M.S., Marine Science; University of South Carolina, Columbia, South Carolina.
1971 B.S., Biology; Clark University, Worcester, Massachusetts.

Ph.D. Advisor: Dr. Peter Wangersky (deceased), Dalhousie University; M.S. Advisor: Dr. Richard Zingmark (retired), University of South Carolina.

Professional Experience

2002- Research Associate, Smithsonian Environmental Research Ctr., Edgewater, MD.
2001- Executive Director, Chesapeake Research Consortium, Inc., Chesapeake Bay Program Scientific and Technical Advisory Committee Executive Secretary, and Visiting Professor, UMCES-Horns Point Laboratory.
1998-2001 Special Membership, University of MD Graduate Faculty, 10/21/99-10/21/01.
1997-2001 NOAA-COP, ECOHAB Coordinator, and Oceanographer. Oversee, manage, and coordinate Federal interagency (NOAA, NSF, EPA, ONR, NASA) research program on the ecology and oceanography of harmful algal blooms.
1978-1998 Curator, Associate Curator, Assistant Curator, The Academy of Natural Sciences. Basic and applied research programs in plankton ecology of aquatic systems.

Affiliations: American Society of Limnology and Oceanography, Atlantic Estuarine Research Society, Coastal and Estuarine Research Federation (Assoc. Editor, 1998-2010), International Society for the Study of Harmful Algae, Aquatic Microbial Ecology review editor (2003-), Watershed Science Bulletin editorial committee member (2010-). Water Stewardship, Inc. Board Member (2009-).

Student Advisory & Teaching Activities: Supervisor for the CRC Fellowship Program at the Chesapeake Bay Program (CBP) 2001-present, NOAA Chesapeake Bay office summer intern program, 2007-present. Mentor, U. MD Gemstone 4 year research program, BREATHE (2008-2011, mitigation of Chesapeake algal blooms). Similar advisory role for honor students, SERC Interns, & RUE students from regional universities. Lecturer, MEES, Spring, 2000, 2004, 2006, 2008, & 2010 University of MD, College Park. "Harmful Algal Blooms: Causes, consequences, and conjecture." Committee member for C. Conroy (2009-), UMD; A. Thessen and A. Dvarskas, MEES-UMD Ph.D.s 2007, T.R. Miller, Center of Marine Biotechnology, University of MD, Ph.D., 2005. Opponent: K. Kononen, Helsinki University, 1997 and P. Uronen, Helsinki University 2007.

Miscellaneous Professional Activities: Current Executive Secretary, Chesapeake Bay Program Scientific and Technical Advisory Committee; Member, MD's Harmful Algae Technical

Advisory Committee and Harmful Algal Force 1997-present; US Congressional Briefing, HABs and Event Response, 2000, 2004, 2005; 2004-present member of Chesapeake Bay Ecosystem Advisory Team for the USGS. Organized Chesapeake Community Modeling Program at the CRC, 2005.

Recent Peer-Reviewed Publications

Kennedy, V., D. Breitburg, M. Luckenbach, K. Paynter, M. Christman, R. Mann, J. Baxter, C. Keller, K. Sellner, and J. Kramer. (in prep.). Lessons learned from efforts to restore native oyster (*Crassostrea virginica*) populations in Maryland and Virginia, 1990-2007.

Yang, Y.F., K. Sellner, Y. Tang, S. Lin, G. Thirumaran, and C. Yarish. (in review). Cultivation of *Gracilaria lemaneiformis* in China and its potential for controlling harmful algal blooms. J. Appl. Ecol.

Schubert, H., N. Wasmund, and K.G. Sellner. (in press). Long-term investigations in brackish systems. In: F. Müller, C. Baessler, and H. Schubert (eds.), Long Term Ecosystem Research - Between Theory and Application. Springer.

Najjar, R., C.R. Pyke, M.B. Adams, D. Breitburg, C. Hershner, W.M. Kemp, R. Howarth, M.R. Mulholland, M. Paolisso, D. Secor, K. Sellner, D. Wardrop, and R. Wood. 2010. Potential climate-change impacts on the Chesapeake Bay. Estuarine Coastal Shelf Sci. 86: 1-20.

Heisler, J., P. Glibert, J. Burkholder, D. Anderson, W. Cochlan, W. Dennison, Q. Dortch, C. Gobler, C. Heil, E. Humphries, A. Lewitus, R. Magnien, H. Marshall, K. Sellner, D. Stockwell, D. Stoecker, and M. Suddleson. 2008. Eutrophication and harmful algal blooms: A scientific consensus. Harmful Algae 8: 3-13.

Brownlee, E.F., S.G. Sellner, K.G. Sellner, H. Nonogaki, J.E. Adolf, T.R. Bachvaroff, and A.R. Place. 2008. Responses of *Crassostrea virginica* (Gmelin) and *C. ariakensis* (Fujita) to bloom-forming phytoplankton including ichthyotoxic *Karlodinium veneficum* (Ballantine). J. Shellfish Res. 27: 581-591.

Erdle, S., J.L.D. Davis, and K.G. Sellner, eds. 2008. Management, Policy, Science and Engineering of Nonstructural Erosion Control in the Chesapeake Bay: Proceedings of the 2006 Living Shoreline Summit. CRC #Publ. No. 08-164, Gloucester Point, VA. 136 pp.

Glibert, P.M., D.M. Anderson, P. Gentien, E. Granéli, and K.G. Sellner. 2005. The global, complex phenomena of harmful algal blooms. Oceanography 18(2): 136-147.

Sellner, K.G., ed. 2005. Hurricane Isabel in Perspective: Proceedings of a Conference. CRC Publ. No. 05-160, Heritage Press, Edgewater, MD. 266 pp.