

Vincent J. Lovko

College of William and Mary
School of Marine Science
Virginia Institute of Marine Science
Gloucester Point, VA 23062
Phone: (804) 684-7738, Fax: (804) 684-7186
E-mail: vlovko@vims.edu

EDUCATION

College of William and Mary, School of Marine Science, Virginia Institute of Marine Science, Doctor of Philosophy in Marine Science

Department of Environmental and Aquatic Animal Health.
Expected completion degree requirements in December 2007

Christopher Newport University, Bachelor of Science

Biology with concentration in Environmental Science, Minors in Chemistry and Sociology
Magna cum Laude, 1997.

PUBLICATIONS

Refereed Publications

Lovko, V.J., Vogelbein, W.K., Shields, J.D., Haas, L.W. and Reece, K.S. "A New Larval Fish Bioassay for Testing the Pathogenicity of *Pfiesteria* spp. (Dinophyceae)." *J. Phycol.* 39, 600-609 (2003).

Vogelbein, W.K., **Lovko, V.J.**, Shields, J.D., Reece, K.S., Mason, P., Haas, L.W. and Walker, C.C. "*Pfiesteria shumwayae* kills fish by micropredation, not exotoxin secretion." *Nature* 418, 967-70 (2002).

Manuscripts in preparation

Lovko, V.J., Vogelbein, W.K., Haas, L.W., Reece, K.S. and Shields, J.D.
"Micropredatory feeding on fishes is common among the dinoflagellates of the Pfiesteriaceae" (*in prep.* for *J. Phycol.*)

Lovko, V.J., Jarlenski, L.B., Vogelbein, W.K. "Enumeration artifact associated with adherence of Lugol's fixed cells to storage tubes" (*in prep.* for *J. Phycol.*)

Book Chapters

Vogelbein, W.K., **Lovko, V.J.** and Reece, K.S. “*Pfiesteria*” in (Walsh, P.J., Smith S.L., Fleming, L.E., Solo-Gabriele, H. and Gerwick, W.H. eds.) *Oceans and Human Health: Risks and Remedies from the Sea*. (In press)

Presentation Abstracts (first-author only)

Lovko, V.J. and Vogelbein, W.K. Examination of the relevance of micropredatory dinoflagellates to ichthyotoxicity in the natural environment. XIIth International Conference on Harmful Algae. 4-8 September 2006, Copenhagen, Denmark.

Lovko, V.J. and Vogelbein, W.K. Comparative pathogenicity of *Cochlodinium polykrikoides* from the York River, Virginia, USA and the Gulf of California. XIIth International Conference on Harmful Algae. 4-8 September 2006, Copenhagen, Denmark.

Lovko, V.J., Vogelbein, W.K., Haas, L.W. and Reece, K.S. Factors regulating micropredation and fish pathogenicity in heterotrophic “*Pfiesteria*-like” dinoflagellates. Third Symposium on Harmful Marine Algae in the U.S. 2-7 October 2005, Monterey, California.

Lovko, V.J., Vogelbein, W.K., Mason, P.L., Reece, K.S., Haas, L.W. and Shields, J.D. Characterization of the mechanisms of micropredatory feeding in *Pfiesteria* spp. and related heterotrophic dinoflagellates. XIth International Conference on Harmful Algae. 15-19 November 2004, Cape Town, South Africa.

Lovko, V.J., Vogelbein, W.K., Haas, L.W., Shields, J.D. and Reece, K.S. Micropredatory behavior and pathogenicity in *Pfiesteria*-like dinoflagellates. Second Symposium on Harmful Marine Algae in the U.S. 9-13 December 2003, Woods Hole, Massachusetts.

Lovko, V.J., Shields, J.D., Vogelbein, W.K., Haas, L.W. and Reece, K.S. Variation in pathogenicity of *Pfiesteria shumwayae* cultured on algal prey. Xth International Conference on Harmful Algae. 21-25 October 2002, St. Pete Beach, Florida.

Lovko, V.J., Vogelbein, W.K., Shields, J.D., Kator, H., Zwerner, D.E., Kiryu, Y. Development of a larval fish assay for testing *Pfiesteria* toxicity. Proceedings of the CDC National Conference on *Pfiesteria*: From Biology to Public Health. 18-20 October 2000, Stone Mountain, Georgia.

Lovko, V.J. and Whiting G.J. Inhibitory effects of ammonium, hydroxylamine and nitrite on methane oxidation in a sub-boreal wetland sediment. 4th Annual Meeting of the Chesapeake Region Association of Biogeochemists (CRABS). 15-16 May 1997, VIMS, Gloucester Point, Virginia.

EXPERIENCE

Undergraduate Laboratory Instructor (January - May 2006)
Principles of Biology Laboratory (BIOL 203)
College of William and Mary, Dept. of Biology, Supervisor: Dr. Penny Sadler

Undergraduate Laboratory Instructor (January 2005 - May 2005)
Environmental Studies Laboratory (ENST 101L & 102L)
College of William and Mary, Dept. of Biology, Supervisor: Dr. Randy Chambers

Laboratory Specialist, Electron Microscopy (January 1999 - August 2001)
Dept. of Environmental and Aquatic Animal Health
Virginia Institute of Marine Science, Supervisor: Patrice Mason

Laboratory Technician (June 1997 - December 1998)
Analytical Services and Materials, Hampton, VA, Supervisor: Karl Weidemann

Research Assistant (May 1995 - August 1996)
Department of Biology, Chemistry and Environmental Science
Christopher Newport University, Supervisor: Dr. Gary Whiting

AWARDS*Honors/Scholarships/Minor Research Grants*

2005 - Student Research Grant (\$1000) - Virginia Institute of Marine Science
2001 - Graduate Fellowship (3 year) - Virginia Institute of Marine Science
1997 - Departmental Honors - Christopher Newport University (CNU)
1997 - Pugh Award for Achievement in Biology - CNU
1996 - Undergraduate Research Grant, Society of Wetland Scientists (\$500)
1995-96 - Patrick Scholarship for Academic Achievement (\$1612) - CNU
1994-96 - Beamer Scholarship for Academic Honors - CNU
1994-1996 Styron Honors Scholarship - CNU

Travel Awards

2006 - NOAA Center for Sponsored Coastal Ocean Research (\$1200)
2004 - VIMS Graduate Student Association Conference Fund (\$100)
2004 - International Society for the Study of Harmful Algae (ISSHA) (\$1000)
2003 - U.S. National Office for Marine Biotoxins and HABs (\$500)

PROFESSIONAL SERVICE

Current member, American Society for Limnology and Oceanography (ASLO)
Current member, International Society for the Study of Harmful Algae (ISSHA)
REU mentor, Bárbara Salgado (Univ. Puerto Rico in Arecibo), 2006
VA Governors School mentor, Lauren Jarlenski (T.C. Williams HS), 2006
Representative, VIMS GSA Executive Council – 2005-06
Guest Lecturer, Phycology (BIOL 422/522), College of William and Mary, 2005
Manuscript Referee, Ecography, 2005
Chair, VIMS GSA Conference Award Committee - 2003-04
Chair, VIMS GSA Mini-Grant Committee - 2003-04