

**CURRICULUM VITAE  
JONATHAN BAIN SHURIN**

Associate Professor  
Department of Zoology  
University of British Columbia  
6270 University Blvd.  
Vancouver, BC V6T 1Z4 Canada

Email: shurin@zoology.ubc.ca  
phone: 604-822-4654  
FAX: 604-822-2416

**EDUCATION**

Ph.D., Ecology, University of Chicago, 8/2000. Advisor: Mathew Leibold.  
M.S., Zoology, University of Wisconsin- Madison, 5/96. Advisor: Stanley Dodson.  
B.A., Biology and Chemistry, Macalester College, St. Paul, MN, 5/92.

**PROFESSIONAL EXPERIENCE**

**Associate Professor**, Department of Zoology, University of British Columbia. 6/08-present.  
**Assistant Professor**, Department of Zoology, University of British Columbia. 6/03-6/08.  
**Post-Doctoral Fellow**, National Center for Ecological Analysis and Synthesis, University of California- Santa Barbara. 9/00-6/03.  
**Graduate Fellow**, Dept. of Ecology and Evolution, University of Chicago, 5/96-8/00.

**PUBLICATIONS** \*indicates a student co-author

- Ingram, T.\* and J.B. Shurin. 2009. Trait-based assembly and phylogenetic structure in northeast Pacific rockfish assemblages. *Ecology* **90**: 2444-2453.
- Shurin, J.B., R.W. Markel\* and B. Matthews. 2009. Comparing trophic cascades across ecosystems. Book chapter in *Trophic Cascades*, J.A. Estes and J. Terborgh, eds, in press.
- Ingram, T.\*, L.J. Harmon and J.B. Shurin. 2009. Niche evolution, trophic structure and species turnover in model food webs. *American Naturalist* **174**: 56-67.
- Hillebrand, H., E.T. Borer, M.E.S. Bracken, B.J. Cardinale, J. Cebrian, E.E. Cleland, J.J. Elser, D.S. Gruner, W.S. Harpole, J.T. Ngai\*, S. Sandin, E.W. Seabloom, J.B. Shurin, J.E. Smith, and M.D. Smith. 2009. Herbivore metabolism and stoichiometry each constrain herbivory at different organizational scales across ecosystems. *Ecology Letters* **12**: 516-527. Featured cover photo article.
- Harmon, L.J.<sup>§</sup>, B. Matthews<sup>§</sup>, S. Des Roches\*, J.M. Chase, J.B. Shurin, D. Schluter. 2009. Speciation and specialization of threespine stickleback affect ecosystem function. *Nature* **458**: 1167-1170. <sup>§</sup>These authors contributed equally to the work. Featured as a *Must Read in Faculty of 1000*, in *Nature- News and Views* and *Nature- Making the paper*.
- Cebrian, J.<sup>§</sup>, J.B. Shurin<sup>§</sup>, E.T. Borer, B.J. Cardinale, J.T. Ngai\*, M.D. Smith and W.F. Fagan. 2009. Producer nutritional quality controls ecosystem trophic structure. *Public Library of Science ONE* **4**: e4929. <sup>§</sup>These authors contributed equally to the work. Featured as a *Must Read in Faculty of 1000*.
- Thompson, R., M. Hemberg, B.M. Starzomski and J.B. Shurin. 2009. The ubiquity of omnivory. *Verh. Internat. Verein. Limnol.* **30**: 761-764.
- Shurin, J.B., K. Cottenie and H. Hillebrand. 2009. Spatial autocorrelation and dispersal limitation in freshwater organisms. *Oecologia* **159**: 151-159.

- Elser, J.J., M.E.S. Bracken, E.E. Cleland, D.S. Gruner, W.S. Harpole, H. Hillebrand, J.T. Ngai\*, E.W. Seabloom, J.B. Shurin, J.E. Smith. 2007. Global analysis of nitrogen and phosphorus limitation of primary producers in freshwater, marine, and terrestrial ecosystems. *Ecology Letters* **10**: 1135-1142. Featured in *Nature- News and Views* 449:1000-1, on Thomson-Reuters *ScienceWatch*, and a Must Read in *Faculty of 1000*.
- Hillebrand, H., D.S. Gruner, M.E. Bracken, E.E. Cleland, J.J. Elser, W.S. Harpole, J.T. Ngai\*, E.W. Seabloom, J.B. Shurin, and J.E. Smith. 2007. Consumer versus resource control of producer diversity depends on ecosystem type and producer community structure. *Proceedings of the National Academy of Sciences, USA* **104**: 10904-10909. Featured in *Faculty of 1000*.
- White, L.B.\* and J.B. Shurin. 2007. Diversity effects on invasion vary with life history stage in marine macroalgae. *Oikos* **116**: 1193-1203.
- Hall, S.R., J.B. Shurin, S. Diehl and R.M Nisbet. 2007. Food quality, nutrient limitation of secondary production, and the strength of trophic cascades. *Oikos* **116**: 1128-1143.
- Longmuir, A.\*, J.B. Shurin and J. Clasen\*. 2007. Independent gradients of producer, consumer and microbial diversity in lake plankton. *Ecology* **88**: 1663-1674. *Featured cover photo article*.
- Shurin, J.B. 2007. How is diversity related to species turnover through time? *Oikos* **116**: 957-965.
- Thompson, R., M. Hemberg\*, B. Starzomski\*, and J.B. Shurin. 2007. Trophic levels and trophic tangles: the prevalence of omnivory in real food webs. *Ecology* **88**: 612-617.
- Shurin, J.B., S.E. Arnott, H. Hillebrand, A. Longmuir\*, B. Pinel-Alloul, M. Winder, and N.D. Yan. 2007. Diversity-stability relationship depends on latitude in zooplankton. *Ecology Letters* **10**: 127:134.
- Shurin, J.B. 2006. News and Views: A pitcher of things to come. *Nature* **443**: 399-400.
- Shurin, J.B., D.S. Gruner and H. Hillebrand. 2006. All wet or dried up? Real differences between aquatic and terrestrial food webs. *Proceedings of the Royal Society, Series B* **273**: 1-9. Featured in *Faculty of 1000*.
- Smith, S.\* and J.B. Shurin. 2006. What do invasions tell us about saturation? Chapter in *Conceptual Ecology and Invasions Biology*, ed. M. Cadotte, S. McMahon, and T. Fukami, Springer.
- Shurin, J.B. and E.W. Seabloom. 2005. The strength of trophic cascades across ecosystems: Predictions from allometry and energetics. *Journal of Animal Ecology* **74**: 1029-1038.
- Havel, J.E., J.B. Shurin and J.R. Jones. 2005. Biotic and abiotic constraints on spread of the exotic cladoceran *Daphnia lumholtzi* (Sars). *Ecoscience* **12**: 376-385.
- Hillebrand, H. and J.B. Shurin. 2005. Biodiversity and aquatic food webs. P. 184-197 in *Aquatic Food Webs*, eds. A. Belgrano, U.M. Scharler, J. Dunne and R.E. Ulanowicz. Oxford University Press, Oxford, UK.
- Shurin, J.B. and D.S. Srivastava. 2005. New perspectives on local and regional diversity: beyond saturation. Chapter in *Metacommunities*, ed. M. Holyoak, R. Holt and M. Leibold, University of Chicago Press, p. 399-417.

- Chase, J.M., P. Amarasekare, K. Cottenie, A. Gonzalez, R. Holt, M. Holyoak, M. Hoopes, R. Law, M. Leibold, M. Loreau, N. Mouquet, J.B. Shurin, and D. Tilman. 2005. Towards a really unified theory for metacommunities. Chapter in *Metacommunities*, ed. M. Holyoak, R. Holt and M. Leibold, University of Chicago Press, p. 335-354.
- Borer, E.T., E.W. Seabloom, J.B. Shurin, K. Anderson, C.A. Blanchette, B.R. Broitman, S.D. Cooper, and B. Halpern. 2005. What determines the strength of a trophic cascade? *Ecology* **86**: 528-537.
- Halpern, B.S., E.T. Borer, E.W. Seabloom and J.B. Shurin. 2005. Stabilizing and destabilizing effects of species and trophic diversity in multi-trophic systems. *Ecology Letters* **8**:189-194.
- Leibold, M. A., M. Holyoak, N. Mouquet, P. Amarasekare, J.M. Chase, M. Hoopes, R. Holt, J.B. Shurin, R. Law, D. Tilman, M. Loreau, and A. Gonzalez. 2004. The metacommunity concept: a framework for multi-scale community ecology. *Ecology Letters* **7**: 601-613.
- Havel, J.E., and J.B. Shurin. 2004. Mechanisms, effects and scales of dispersal in freshwater zooplankton. *Limnology and Oceanography* **49**: 1229-1238.
- Shurin, J.B., P. Amarasekare, J.M. Chase, R.D. Holt, M.F. Hoopes and M.A. Leibold. 2004. Alternative stable states and regional community structure. *Journal of Theoretical Biology* **227**: 359-368.
- Cohen, G.M.\* and J.B. Shurin. 2003. Scale-dependence and mechanisms of dispersal in freshwater zooplankton. *Oikos* **103**: 603-617.
- Wilson, W.G., P. Lundberg, D. Vasquez, J.B. Shurin, M.D. Smith, W. Langford, K.L. Gross and G.G. Mittelbach. 2003. Biodiversity and species interactions: Extending Lotka-Volterra community theory. *Ecology Letters*, **6**: 944-952.
- Shurin, J.B. and J.E. Havel. 2002. Hydrologic connections and overland dispersal in an exotic freshwater crustacean. *Biological Invasions* **4**: 431-439.
- Shurin, J.B., E.T. Borer, E.W. Seabloom, K. Anderson, C.A. Blanchette, B.R. Broitman, S.D. Cooper, and B. Halpern. 2002. A cross-ecosystem comparison of the strength of trophic cascades. *Ecology Letters* **5**: 785-791. \*Highlighted in Science's Editor's Choice (*Science* **298**: 1517).
- Havel, J.E., J.B. Shurin and J.R. Jones. 2002. Estimating dispersal from patterns of spread: Spatial and local control of lake invasions. *Ecology* **83**: 3306-3318.
- Borer, E.T., K.A. Anderson, C.A. Blanchette, B.R. Broitman, S.D. Cooper, B. Halpern, E.W. Seabloom, and J.B. Shurin. 2002. Topological approaches to food web analyses: a few modifications may improve our insights. *Oikos* **99**: 397-401.
- Shurin, J.B. and E.G. Allen. 2001. Effects of competition, predation, dispersal on local and regional species richness. *American Naturalist* **158**: 624-637.
- Shurin, J.B. 2001. Interactive effects of predation and dispersal on zooplankton communities. *Ecology* **82**: 3404-3416.
- Shurin, J.B., S.E. Gergel, D.M. Kaufman, D.M. Post, E.W. Seabloom, and J. Williams. 2001. Letter: In defense of ecology. *The Scientist* **15**: 6.
- Shurin, J.B. 2000. Dispersal limitation, invasion resistance, and the structure of pond zooplankton communities. *Ecology* **81**: 3074-3086. \*Winner of 2002 Thomas M. Frost Award for Excellence in Graduate Research, Ecological Society of America Aquatic Section.

- Shurin, J.B., J.E. Havel, M.A. Leibold and B. Pinel-Alloul. 2000. Local and regional zooplankton species richness: A scale-independent test for saturation. *Ecology* **81**: 3062-3073.
- Chase, J.M., M.A. Leibold, A.L. Downing, and J.B. Shurin. 2000. The effects of productivity, herbivory, and plant species turnover in grassland food webs. *Ecology* **81**: 2485-2497.
- Leibold, M.A., J.M. Chase, J.B. Shurin and A.L. Downing. 1997. Species turnover and the regulation of trophic structure. *Annual Review of Ecology and Systematics* **28**: 467-494.
- Shurin, J.B. and S.I. Dodson. 1997. Effects of cyanobacteria and nonylphenol on environmental sex determination and development in *Daphnia*. *Environmental Toxicology and Chemistry* **16(6)**: 1269-1276.

### **PUBLICATIONS IN REVIEW**

- Thompson, P.Ll\* and J.B. Shurin. Regional zooplankton biodiversity buffers pond ecosystems against climate change.
- Ngai, J.T.\*, E.E. Cleland, W.S. Harpole, E.W. Seabloom, E.T. Borer, M.E.S. Bracken, J.J. Elser, D.S. Gruner, H. Hillebrand, J.B. Shurin and Smith, J.E. Multiple resource limitation of primary production: embracing the interaction.
- Wood, S.A.\*, S.A. Lilley, D.R. Schiel and J.B. Shurin. Traits of organisms govern species interaction strengths in the intertidal zone.

### **PUBLICATIONS IN PREPARATION**

- Shurin, J.B., B. Matthews, R.W. Markel and S. Dick. Contrasting trophic structure in marine and freshwater food webs.
- Shurin, J.B., M. Winder, R. Adrian, W.B. Keller, B. Matthews, A. Paterson, M. Paterson, B. Pinel-Alloul, J.A. Rusak, N.D. Yan. Environmental stability and lake plankton diversity-contrasting effects of chemical and thermal variability

### **GRANTS**

- NSERC Strategic Project Grant 2008. Coastal Ecosystem Services amongst Trophic Cascades. \$630,255, 2008-2011. Kai Chan is the Investigator, I am a co-investigator along with Chris Harley and Evgeny Pakhomov.
- NSERC Discovery Grant 2008. Ecological and evolutionary dynamics of ecosystems. CAN\$175,000 for five years.
- NSERC Strategic Project Grant, "Effectiveness, ecosystem consequences and connectivity of BC Rockfish conservation areas". 2008-2010, CAN\$198,500.
- National Center for Ecological Analysis and Synthesis Working Group, "Comparing Trophic Structure Across Ecosystems". 2005, with Helmut Hillebrand and Dan Gruner, US\$60,000.
- Canadian Foundation for Innovation, Facility for Biodiversity Dynamics Research. 2003, with D.S. Srivastava, CAN\$159,923.
- British Columbia Knowledge Development Fund. 2003, with D.S. Srivastava, CAN\$149,644.
- NSERC Discovery Grant 2003. The sum of its parts: population, community and ecosystem stability through succession. CAN\$150,000 for five years.
- National Science Foundation Dissertation Improvement Grant, DEB 99-72656. Local vs. regional control of zooplankton community structure. Awarded 3/99. \$9250.
- Hinds Fund grant. \$1100. Committee on Evolutionary Biology, University of Chicago, 1997.

The Davis Fund research grant. \$500. Department of Zoology, University of Wisconsin, 1995.

### **PROFESSIONAL DISTINCTIONS AND AWARDS**

Elected Vice-Chair of the Ecological Society of America Aquatic Section, 6/2007. Will serve two year term as Vice-Chair followed by two years as Chair.

Faculty of 1000, Population Ecology Section, contributing member. February, 2005-present  
Thomas M. Frost Award for Excellence in Graduate Research, Ecological Society of America Aquatic Section, 8/2002.

Post-Doctoral Fellowship, National Center for Ecological Analysis and Synthesis. 5/2000.

Organizing Member, Metacommunity Working Group, National Center for Ecological Analysis and Synthesis.

Grant in Area of National Need Fellowship, U.S. Department of Education, 5/96-8/2000.

U.S. Patent No. 5,932,436: "The *Daphnia* reproductive bioassay." With Stanley I. Dodson and Kristin M. Girvin, awarded 8/3/99.

The O.T. Walters Award for outstanding senior Biology major, Macalester College, 1992.

### **PROFESSIONAL SERVICE**

UBC Representative to the Western Canadian Universities Marine Sciences Society, 1/2007-present

Subject Editor, *Oecologia*, 9/2009-present.

Subject Editor, *Oikos*, 10/2005-present.

### **COURSES TAUGHT**

Marine-Terrestrial Interactions Field Course, Bamfield Marine Sciences Centre, Summer 2006.

Graduate Seminar in Ecology and Evolution, Zoology 502, Fall 2005.

Freshwater Biology, Bamfield Marine Sciences Centre, Summer 2005

Aquatic Ecology, Biology 402, UBC. Fall 2003-2007.

Field Ecology, Biology 409, UBC, in Oaxaca Mexico. Summer-Fall 2004.

### **POST-DOCTORAL FELLOWS**

Pavel Kratina, Ph.D. 9/09-present. Funded by NSERC Post-doctoral Fellowship.

Hamish Greig, Ph.D. 8/09-present. Funded by New Zealand Science Foundation.

Blake Matthews, Ph.D. 9/06-present. Funded by NSERC Post-doctoral Fellowship.

Steven DeClerck, Ph.D. 11/07-present. Funded by Flanders Fund for Scientific Research (Belgium).

### **GRADUATE STUDENTS ADVISED- GRADUATED**

Allyson Longmuir, Zoology, M.Sc. 9/03-5/06. Thesis: "Independent gradients of producer, consumer and microbial diversity in lake plankton"

Sandra Nicol, M.Sc. 1/05-12/07. Co-advised with Jordan Rosenfeld. Thesis: "Influence of physical and biological habitat variables on juvenile salmonid and invertebrate drift abundance in southwest British Columbia streams"

Jackie Ngai, Ph.D. 9/03-6/08. Co-advised with Diane Srivastava. Thesis: "Trophic effects on nutrient cycling"

Spencer Wood, Ph.D. 9/04-7/09. Thesis: "Factors governing interactions among species in a complex marine ecosystem"

**GRADUATE STUDENTS ADVISED- CURRENT**

Matthew Siegle, M.Sc., 9/08-present. Co-advised with Rick Taylor.  
 Stefan Dick, M.Sc., 1/09-present.  
 Patrick Thompson, M.Sc., 1/08-present.  
 Nicola Smith, M.Sc. 9/07-present.  
 Travis Ingram, Ph.D. 9/06-present.  
 Russell Markell, Ph.D. 1/05-present.  
 Laura White, Zoology, Ph.D. 9/04-present.

**UNDERGRADUATE HONOR'S STUDENTS ADVISED**

Stephen Hausch, UBC, graduated 5/08.  
 Stephanie Avery-Gomm, U. Victoria, graduated 6/07.  
 Simone Des Rosches, UBC, graduated 12/06. Co-advised with Dolph Schluter.  
 Stefan Dick, Zoology, UBC, Undergraduate Honors Thesis, graduated 5/06.  
 Galeet Cohen, University of Chicago. Undergraduate Honors Thesis, graduated 5/01.

**STUDENT ADVISORY COMMITTEES**

Michelle Paleczny (M.Sc., Fisheries, UBC)  
 Laura Tremblay-Boyer (M.Sc., Fisheries, UBC)  
 Bill Harrower (Ph.D., Botany, UBC)  
 Rebecca Kordas (M.Sc., Zoology, UBC)  
 Joel Harding (M.Sc., Biology, SFU)  
 Rebecca Gooding (M.Sc., Zoology, UBC)  
 Mirjam Barrueto (M.Sc., Zoology, UBC)  
 Cathryn Clarke Murray (Ph.D., Earth and Ocean Sciences, UBC)  
 Sarah Nienhuis (M.Sc., Zoology, UBC)  
 Tina Lum (M.Sc., Earth and Ocean Sciences, UBC)  
 Les Harris (M.Sc., Zoology, UBC)  
 Anita Narwani (Ph.D., Biology, U. Victoria)  
 Jennifer Guevarra (M.Sc., Zoology, UBC)  
 Nathan Taylor (Ph.D., Fisheries, UBC)  
 Maggie Branton (Ph.D., Forestry, UBC)  
 Aya Reiss (M.Sc., Forestry, UBC)  
 Shannon Tuvey (M.Sc., Forestry, UBC)

Brajgeet Bhathal (Ph.D., Fisheries, UBC)  
 Luciano Dalla Rosa (Ph.D., Fisheries, UBC)  
 Anna Hall (Ph.D., Fisheries, UBC)  
 Kerry Marchinko (Ph.D., Zoology, UBC)  
 Jackie Ngai (Ph.D., Zoology, UBC)  
 Ben Gilbert (Ph.D., Zoology, UBC)  
 Xiang Zhu (M.Sc., Zoology UBC)  
 Jonathan Anticamara (Ph.D., Fisheries UBC)  
 Katsky Venter (M.Sc., Zoology UBC)  
 Laurie Miller (Ph.D., Forestry UBC)  
 Katie Aitken (Ph.D., Forestry, UBC)  
 Karl Cottenie (Ph.D., Ecology, Katholieke Universiteit, Leuven, Belgium, graduated 6/02)  
 Andrew Forbes (Undergraduate Honors Thesis, Biology, University of Pittsburgh, graduated 3/01).

**STUDENT EXAMINING COMMITTEES**

Kerry Marchinko (Ph.D., Zoology, UBC)  
 Clarice Fu (M.Sc., Zoology, UBC)  
 Matthew Boeckner (External examiner, Ph.D., Biology, U. Alberta)  
 Todd Mathes (M.Sc., Forestry, UBC)  
 Josh Korman (Ph.D., Fisheries, UBC)  
 Cody Mann (M.Sc., Zoology, UBC)  
 Lindsay Jibb (M.Sc., Zoology, UBC)  
 Sharon Jeffrey (M.Sc., Botany, UBC)  
 Gwylim Blackburn (Ph.D., Zoology, UBC)  
 Carin Bondar (Ph.D., Forestry, UBC)  
 Emily Coolidge (M.Sc., Zoology, UBC)  
 Amelia Grant (chair, M.Sc., Zoology, UBC)

Line Christensen (M.Sc., Fisheries, UBC)  
 Renata Kolodziejczyk (M.Sc., Forestry, UBC)  
 Ed Quilty (Ph.D., Forestry, UBC)  
 Matthew Foulkes (Undergraduate Honors Thesis, Zoology, UBC)  
 Katie Aitken (Ph.D., Forestry, UBC)  
 Jason Ladell (M.Sc., Zoology UBC)  
 Scott Wilson (M.Sc. and Ph.D., Forestry, UBC)  
 Nathan Taylor (Ph.D., Fisheries UBC)  
 Brajgeet Bhathal (M.Sc., Fisheries, UBC)  
 Susan Pinkus (M.Sc., Zoology, UBC).  
 Kevan Cowcill (chair, M.Sc., Zoology, UBC)  
 Brajgeet Bhathal (M.Sc., Fisheries, UBC)

Susan Pinkus (M.Sc., Zoology, UBC).

### MEETING PRESENTATIONS

- Shurin, J.B., Canadian Society of Ecology and Evolution, Vancouver BC. 5/14/08. Invited speaker in special symposium on Spatial Food Web Ecology.
- Shurin, J.B., B. Matthews, R. Markel and S. Dick, Society of Conservation Biology, Pt. Elizabeth, South Africa, July 5, 2007. Invited speaker in a Special Symposium on the ecosystem effects of over-fishing.
- Shurin, J.B. ESA, Memphis, TN, Invited speaker in a Special Symposium on species saturation.
- Wood, S., J.B. Shurin, D. Shiel. ESA, Montreal, Canada, 8/10/05.
- Longmuir, A. and J.B. Shurin, ESA, Montreal, Canada, 8/10/05.
- J.B. Shurin, J.L. Clasen, A.J. English, A. Pelletier and T. Zis. ESA, Portland, OR, 8/5/04.
- J.B. Shurin, E. Borer, E. Seabloom, K. Anderson, C. Blanchette, B. Broitman, S. Cooper and B. Halpern. North American Benthological Society, Vancouver, CA, 6/8/04.
- Borer, E.T., E.W. Seabloom, J.B. Shurin, K. Anderson, C. Blanchette, B.R. Broitman, S.D. Cooper and B.S. Halpern. ESA, Savannah, GA, 8/7/03.
- Shurin, J.B. and E.W. Seabloom. ESA, Tucson, AZ, 8/8/02.
- Shurin, J.B. and E.G. Allen. ESA, Madison, WI, 8/9/01.
- Havel, J.E., J.B. Shurin, and J.R. Jones. ESA, Madison, WI, 8/6/01.
- Havel, J.E., J.B. Shurin, and J.R. Jones. American Society for Limnology and Oceanography (ASLO), Albuquerque, NM, 2/16/01.
- Shurin, J.B. ESA, Snowbird, UT, 8/8/00.
- Cohen, G.M., J.B. Shurin, and M.A. Leibold. ESA, Snowbird, UT, 8/8/00.
- Shurin, J.B., J.E. Havel, M.A. Leibold, and B. Pinel-Alloul. ESA, Spokane, WA, 8/8/99.
- Shurin, J.B. Society of International Limnologists meeting, Dublin, Ireland, 8/17/98. Invited Symposium on Environmental Heterogeneity in Limnology.
- Shurin, J.B. and M.A. Leibold. ESA, Albuquerque, NM, 8/14/97.
- Shurin, J.B. and S.I. Dodson. ASLO, Milwaukee, WI, 6/17/96.

### INVITED SEMINARS

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| Dauphin Island Marine Lab, Alabama, 2/19/09.                                       | Science First Program, University of British Columbia, 4/25/04.             |
| Simon Fraser University, 1/12/09.  | Bamfield Marine Station, 10/23/03 and 10/7/04.                              |
| University of Alberta, 4/16/09.  | Uppsala University, Sweden, 3/20/03 and 3/21/03.                            |
| Western Washington University, 1/21/09.  | Umea University, Sweden, 3/26/03.   |
| University of California- San Diego, 11/17/08.                                     | Ludwig Maximilians University, Munich, Germany, 6/12/02.                    |
| Doñana National Park, University of Seville, Seville, Spain, 5/29/08.              | University of British Columbia, 12/6/01.                                    |
| Rice University, 4/21/08.  | SUNY Stony Brook, 11/12/01.   |
| Thompson Rivers University, 4/3/08   | McGill University, 11/5/01.   |
| University of Toronto, Ecology and Evolutionary Biology Annual Symposium, 4/18/08. | Katholieke Universiteit, Leuven, Belgium, 3/30/01 and 6/6/02.               |
| University of British Columbia, Department of Earth and Ocean Sciences, 3/13/08.   | University of Pittsburgh, 3/21/01.  |
| Guelph University, 2/12/08.  | Florida State University, 3/1/01.   |
| Dalhousie University, 2/14/08.   | Southwest Missouri State University, 11/10/00.                              |
| Bedford Institute of Oceanography, Halifax, NS, 2/15/08.                           | University of California- Santa Barbara, 10/30/00.                          |
| White Oak Plantation Symposium on Trophic Cascades, 2/11/08.                       | National Center for Ecological Analysis and Synthesis, 9/28/00 and 9/27/01. |
| Rocky Mountain Biological Laboratory, 7/31/07.                                     | University of Virginia, Mountain Lake Biological Station, 7/11/00.          |
| Oregon State University, 3/13/05.  | University of Illinois- Springfield, 5/4/00.                                |
| University of Victoria, 4/8/05.  | University of Chicago, 4/25/00  |
| University of Calgary, 3/9/05.   | University of Montreal, 11/8/99.  |
| Bodega Marine Laboratory, University of California- Davis, 3/16/05.                | Institute for Ecosystem Studies, 11/3/99.                                   |
| University of Washington, 5/1/04.  | Cornell University, 11/2/99.  |
|  | Southwest Missouri State University, 3/23/99.                               |

**PEER REVIEWER** (\* indicates more than once)

*American Naturalist*\*; *Archiv fur Hydrobiologie*; *Arctic, Antarctic, and Alpine Research*; *Biological Invasions*; *Canadian Journal of Fisheries and Aquatic Sciences*\*; *Conservation Biology*; *Diversity and Distributions*\*; *Ecological Applications*\*; *Ecology*\*; *Ecology Letters*\*; *Ecoscience*\*; *Ecosystems*\*; *Global Ecology and Biogeography*\*; *Hydrobiologia*\*; *Journal of Animal Ecology*\*; *Journal of Theoretical Biology*\*; *Limnology and Oceanography*\*; *Nature*\*; *Oecologia*\*; *Oikos*\*; *PLoS ONE*; *Proceedings of the National Academy of Sciences*\*; *Proceedings of the Royal Society of London: Biological Sciences*\*; *Risk Analysis*, *Science*\*, *Trends in Ecology and Evolution*.

Book reviewer, *Oxford University Press*, *Princeton University Press* and *Chapman and Hall*.

Ad Hoc Editor, *Ecology*.

U.S. National Science Foundation, Division of Environmental Biology grant proposals\*.

National Research and Engineering Council, Canada, Ecology and Evolution Panel proposals\*.

Flanders Fund for Scientific Research, Belgium.

U.S.-Israel Binational Science Foundation.

Research Council of Norway.