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School of Biology

Georgia Institute of Biology, Atlanta GA 30332

EDUCATION:

Ph.D. in Ecology, Univ. of Minnesota, 2000 (advisors: Drs. C. Neuhauser and D. Tilman)

B.S. in Mathematics, Harvey Mudd College 1995

PROFESSIONAL EXPERIENCE:

2003– Assistant Professor, School of Biology, Georgia Tech

2001–2002 Postdoctoral Researcher, Princeton University (with Simon Levin)

2000–2001 Research Fellow, EAWAG, University of Basel

2000 Research Assistant, University of Minnesota (with David Tilman)

1998, 1999 Visiting Researcher, Univ. of Maryland (with Peter Abrams)

1997 Research Assistant, Univ. of Minnesota (with Shahid Naeem)

1996–1999 Teaching Assistant, Univ. of Minnesota

HONORS:

NSF International Research Fellowship, 2000–2001

National Merit Scholar , 1991

SCIENTIFIC ADVISORY COMMITTEES:

Co-organizer, Biocomplexity² Meeting, 2002.

Theoretical ecology session chair, Ecological Society of America Annual Meeting, 2001.

Member, EEB Dept. Preliminary Examination Review Committee, 1999–2000.

Member, EEB Department World Wide Web Committee, 1997–2000.

CURRENT RESEARCH SUPPORT

QEIB: Novel Approaches to Plankton Seasonal Succession, NSF-DEB - pending

Vertical Distribution of Phytoplankton, NSF-DEB - pending

SELECTED PUBLICATIONS:

1. “Optimal N:P Stoichiometry of Phytoplankton,” (with E. Litchman, T. Daufresne, and S. A. Levin) to appear in *Nature* (2004).
2. “Spatial models of competition,” (with D. Tilman) in eds. U. Sommer and B. Worm, *Competition and Coexistence*, Springer-Verlag, 43–78 (2002).
3. “Algal games: the vertical distribution of phytoplankton in poorly-mixed water columns,” (with E. Litchman). *Limnology and Oceanography* **46**, 1998–2007 (2001).
4. “Regular and irregular patterns in semiarid vegetation,” *Science* **284**, 1826–1828 (1999).
5. “Extinction in multispecies and spatially explicit models of habitat destruction,” *American Naturalist* **152**, 303–310 (1998).