

LEV R. GINZBURG
Abbreviated Curriculum Vitae 2000- Present

Positions

- 2015 - Present Professor, Emeritus **Department of Ecology and Evolution,
1983-2015 Professor **Stony Brook University****
- 1982 - Present President **Applied Biomathematics**
A research and software firm focused on ecology, environmental health,
and engineering. The company develops new methods for the
assessment of risk and uncertainty in these areas. RAMAS® software is
used by thousands of institutions in over 60 countries.

Honors

- 100 must read papers
in Ecology** 2018 study rates the TREE 2004 paper as one of 100 the most important in Ecology
since Darwin
(http://docs.wixstatic.com/ugd/9b6d5d_31ab1ea20ed247e7a4ce788506304070.pdf)
- Member, Advisory
Board:** Ph.D. training partnership of the Universities of
Sheffield, Liverpool and York, UK, 2014-present
- Organizer:** Mathematical Ecology Semester, Centre Interfacultaire Bernoulli, Lausanne,
Switzerland, July to December 2014.
- Honor Wall:** Listed on the Stony Brook University Honor Wall, September 2013.
- AAAS fellow:** Elected in 2012.
- Invited Fellow:** African Advanced Study (STIAS) Stellenbosch, South Africa, 2010 and 2012.
- U.S. Senate
Testimony:** *Consistency and Transparency of Endangered Species Listings*, Testimony to the
U.S. Senate Committee on Environmental and Public Works, May 2001.

Most Influential Publications (out of 150 papers and 9 books)

Risk Analysis

- Pastorok, R., Bartell, S., Ferson, S., and **Ginzburg, L.R.** (editors) 2001. *Ecological Modeling in Risk Assessment*. CRC Press, Boca Raton, FL.
- Akcakaya, R.H., Burgman, M.A., **Ginzburg, L.R.** 1999. *Applied population ecology*. Sinauer Associates, Sunderland, MA.
- Ferson, S. and **Ginzburg, L.R.** 1996. Different methods are needed to propagate ignorance and variability. *Reliability Engineering and Systems Safety* 54:133–144
- Ginzburg, L.R.** (ed.) (1991), *Assessing Ecological Risks of Biotechnology*, Stoneham, MA: Butterworth

Ginzburg, L.R., Ferson, S., Akçakaya, H.R. 1990. Reconstructability of density dependence and the conservative assessment of extinction risk. *Conservation Biology* 4: 63-70.

Ginzburg, L.R., Slobodkin, L.B., Johnson, K and Bindman, A.G. 1982. Quasiextinction probabilities as a measure of impact on population growth. *Risk Analysis* 2: 171-181.

Mathematical Ecology

Arditi, R. and **Ginzburg, L.R.** 2012. *How Species Interact: Altering the Standard View on Trophic Ecology*. Oxford University Press, New York, NY.

Ginzburg, L.R. and Colyvan, M. 2004. *Ecological Orbits: How Planets Move and Populations Grow*. Oxford University Press, New York, NY.

Ginzburg, L.R. and Jensen, C.XJ. 2004. Rules of thumb for judging ecological theories. *Trends in Ecology & Evolution* 19 (3): 121-126.

Abrams, P.A. and **Ginzburg, L.R.** 2000. The nature of predation: prey dependent, ratio dependent, or neither? *Trends in Ecology and Evolution* 15: 337-341.

Ginzburg, L.R. and Taneyhill, D.E. 1994. Population cycles of forest Lepidoptera: a maternal effect hypothesis. *Journal of Animals Ecology* 63: 79-92.

Ginzburg, L.R. and Akçakaya, H.R. 1992. Consequences of ratio-dependent predation for steady state properties of ecosystems. *Ecology* 73 (5): 1536-1543.

Arditi, R. and **Ginzburg, L.R.** 1989. Coupling in predator-prey dynamics: ratio dependence. *Journal of Theoretical Biology* 139: 311-326.