JESSICA GUREVITCH
CURRICULUM VITAE

Department of Ecology and Evolution
Stony Brook University
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PROFESSIONAL EXPERIENCE

2012	Visiting Professor, New York University (Fall semester)
2006 – 2012	Chair, Department of Ecology and Evolution, Stony Brook University
2000 – Present	Professor, State University of New York at Stony Brook
2002	Sabbatical, Macquarie University, Sydney, NSW, Australia
1992 - 2000	Associate Professor, State University of New York at Stony Brook
1992 - 1993	Program Director, Population Biology, National Science Foundation
1985 - 1992	Assistant Professor, State University of New York at Stony Brook
1983 - 1985	Postdoctoral Fellow, The University of Chicago

Education

1982	Ph.D., Ecology and Evolutionary Biology, University of Arizona
1973	B.S., Biol. Sci. /Ecology, Evolution & Systematics, Cornell University

Professional Service – elected positions (*Selected, 2000 – present*)

2014-2015	President-elect and President, Society for Research Synthesis Methodology
2013 – 2015	Elected, Biological Sciences Council Delegate, AAAS
2012 – 2013	Elected, Council Member, International Association for Vegetation Science
2011	Elected Fellow of the Association for the Advancement of Science
2008	Elected, Society for Research Synthesis Methodology
2005 – 2007	Executive Vice President, Society for the Study of Evolution

Professional Service, Honors and Memberships

2014 – 2016	Editorial Board, Royal Society Open Science
2014	Fellow, Stellenbosch Institute for Advanced Studies, Stellenbosh, South Africa
2013	Named Fellow of the Ecological Society of America
2012 – Present	Chair, Ecological Society of America Fellowships & Awards Committee
2012	Faculty of 1000, Contributing Member
2012 – Present	Scientific Advisory Board, Alan Alda Center for Communicating Science

2011 – Present	Editorial Board, Ecology and Evolution
2011 – Present	Editorial Board, Israel Journal of Ecology and Evolution
2009	University of Massachusetts accreditation review panel member, NEASC
2009	SUNY Strategic Plan, Group of 200 Delegate (invited by SUNY Chancellor)
2008 - 2013	Editorial Board, Biology Letters
2006	Dean's Award for Excellence in Graduate Teaching
2004 - Present	Editorial Board, Journal of Vegetation Science
2004 - Present	Associate Editor, Ecology Letters
current	*Reviewer of manuscripts* for: Nature, Science, Ecology, Evolution, The American Naturalist, BioScience, Journal of Ecology, Plant Ecology, Canadian Journal of Forest Research, Canadian Journal of Botany, Botanical Gazette, Journal of Vegetation Science, American Journal of Botany, and others *External reviewer of grant proposals* for NSF, the Department of Energy, the Department of Agriculture, national counterparts in Israel, Germany, and others *Tenure and promotion reviews* (confidential; various universities worldwide)
Memberships:	American Association for the Advancement of Science, American Society of Naturalists, Ecological Society of America, Society for Research Synthesis Methodology, Society for the Study of Evolution, International Association for Vegetation Science, Sigma Xi

Research Interests and Major Professional Accomplishments

Dr. Gurevitch's interests are in research synthesis and meta-analysis, biological invasions, and broadly in plant ecology. She introduced contemporary quantitative research synthesis and meta-analysis to the fields of ecology and evolution, changing the way scientists in these fields conceptualize and review scientific data. This work has been controversial and highly influential, and grew out of her interests in applying rigorous statistical methodology to the analysis of ecological data and the design of ecological experiments. She has been invited to present research talks and offer workshops across the U.S. and in many different countries. Her bestselling co-edited book, *The Design and Analysis of Ecological Experiments* (Scheiner and Gurevitch), went through two editions and has influenced a generation of young ecologists. Her papers are highly cited, and her work has been highlighted in ecological textbooks. Dr. Gurevitch is the lead author on the major undergraduate textbook, *The Ecology of Plants* (Gurevitch, Scheiner and Fox), and is co-editor of the *Handbook of Meta-analysis in Ecology and Evolution*. She was honored by an award for graduate teaching excellence. Dr. Gurevitch has mentored numerous graduate students at the Masters and Ph.D. levels, and many undergraduate and high school students in independent research. She served as Chair of the Department of Ecology and Evolution Department at Stony Brook University from 2006-2012. She has also served as a National Science Foundation Program Director in Population Biology, and on the re-accreditation team reviewing the University of Massachusetts at Amherst, as an Associate Editor on two influential journals, *Ecology Letters* and *Biology Letters,* as Secretary of The American Society of Naturalists and as Executive Vice President of the Society for the Study of Evolution (elected; this included the role of CFO/treasurer).

Students and Postdoctoral Researchers

MAJOR ADVISOR, PH.D. STUDENTS:

Janet Morrison (Ph.D. 1994; Associate Professor, The College of New Jersey)
Proserpina Gomez (Ph.D. 1996; Professor, Mindanao State Univ., Philippines)
Paul Teese (Ph.D. 1997; Director, Bowman's Hill Preserve, PA)
Daniel Taub (Ph.D. 1997; Associate Professor, Southwestern University, Texas)
Wei Fang (Ph.D. 2003, was Assistant Professor, Long Island University, NY)
Kerry Brown (Ph.D. 2004, Lecturer, Nottingham Trent University, UK)
Eliza Woo (Ph.D., 2008)
Rebecca Grella (Ph.D., 2012)
Emily Rollinson (entered Fall 2009)
Morodoluwa Aikin-Fajiye (entered Fall 2012)
Nicole Kinlock (entered Fall 2013)
Khum Thappa Magar (entered Fall 2014)

DOCTORAL COMMITTEES (SINCE 2001):

Christopher Jensen
Jonathan Hickman
Joshua Banta
Andre Tiu
Heather Throop
Jennifer Funk
Isabel Ashton
Catherine McGlynn
Norah Warchola
Sarah Gray
Matthew Aiello-Lammens
Niamh O'Hara
Michael McCann

OUTSIDE PH.D. COMMITTEE MEMBER: Myla Aronson, Ph.D. 2006, Rutgers University

MASTERS' ADVISOR:

Laura L. Morrow (1990)
Dana Woltering (1996)
Kerry Brown (1998)
Rebecca Grella (2000)
Richa Misra (2001)
Cate Stabile (2003)
Angela Joseph (2007)
David Ruggiero (2008)
James Mickley (2010)
Tracy Scott (2011)
Adam Laybourn (2011)
Leanne Merrill (2011)
Brittany Hernon (2012)
Kyle Kesel (2012)
Jason O'Rawe (2012)

Students and Postdoctoral Researchers (*con't.*)

POSTDOCTORAL SUPERVISOR:

M. Genoveva Rodriguez-Casteneda (2012-2013, Ph.D. Tulane University)

D. Edward Lowry (2009-2012, Ph.D. UC Santa Barbara, now Asst. Prof. Hampden-Sydney College, Virginia)

Elizabeth Leger (2004-5, Ph.D., UC Davis, now Assistant Professor at Univ. Nevada, Reno)

Katherine Howe (2003- 2004; Ph.D., Univ. Washington, now Coordinator, Midwest Invasive Plant Network, The Nature Conservancy, Indianapolis IN)

Laura Hyatt (1998-2002; Ph.D., Univ. Pennsylvania, now Asst. Dean for Science /Assoc. Prof., Rider Univ.)

R. Matthew Landis (1999-2001; Ph.D., Dartmouth; now Assoc. Sci. Instr., Middlebury College)

Maria N. Miriti (1999-2002; Ph.D., Univ. Ill./Chicago; now Assoc. Prof., Ohio State University)

Timothy Howard (1998-2000; Ph.D., U. Mich.; now Ecologist, NYS Natural Heritage Program)

Grants and Fellowships

2014-2015	S. Handel, Rutgers University and J. Gurevitch: Restoration of Jamaica Bay Fringing Habitats: post-Sandy status and new approaches for a resilient future. National Parks Service, $20,000 to JG.
2013-2016	J. Gurevitch, lead PI, Collaborative research: ABI Development: Making Advanced Statistical Tools Accessible for Quantitative Research Synthesis and Discovery in Ecology and Evolutionary Biology. (With Marc Lajeunesse, Univ. South Florida, and Byron Wallace, Thomas Trikalinos and Christopher Schmid, Brown University.) NSF 1262402, $901,243 total funded
2011-2015	J. Gurevitch, lead PI, Catherine Graham, Co-PI: Collaborative research: Demographic heterogeneity at landscape scales in an emergent invasive species, *Centaurea stoebe*, in New York State (with Norma Fowler, Univ. Texas), NSF 1119891, $803,956 total funded
2012	J. Gurevitch: Early detection and monitoring of an emerging invasion: population growth and expansion of spotted knapweed (*Centaurea stoebe*) in Suffolk County, Long Island. NYS Natural Heritage Program ($25,000)
2002-2005	J. Gurevitch, PI: Factors promoting invasion of exotic plant species in forests of the Upton Preserve. U.S. Fish and Wildlife Service. $77,291
2001-2004	J. Gurevitch, PI, M. Lerdau, co-PI: An experimental study of biological invasions in forests of the eastern United States, EPA R828900010, $453,174
2001-2002	J. Gurevitch, PI, collaborative grant, with G.A. Fox: SGER: Dispersal and local population dynamics following large-scale wildfire NSF, $27,650
2000-2002	J. Gurevitch, PI: Linking populations and ecosystem ecology: support for Ph.D. student Kerry Brown, USDA Forest Service, $15,000

Grants and Fellowships, *con't.*

1998 - 2003	J. Gurevitch, PI, G.A. Fox, co-PI: Demography and population dynamics of a fire-adapted tree species, *Pinus rigida*, NSF, DEB 9806923, $250,000 REU supplements, 1999, $5000; 2003, $6000
1998 - 2001	J. Gurevitch, PI, M. Lerdau & M. Carreiro, co-PIs: An experimental study of forest invasibility by exotic species, The Nature Conservancy, $231,450 (incl. $33,500 cash cost-share from SUNY-SB
1998 – 2000	J. Gurevitch, PI: Demographic model of a plant invasion, USDA, 9800724, $90,000 (Postdoctoral fellowship for Laura Hyatt)
1997	J. Gurevitch, PI: Pitch pine regeneration following severe fire in normal stature and dwarf pines in the Long Island pine barrens, Nature Conservancy, $3,800
1996 - 1997	J. Gurevitch, PI: Patterns and mechanisms of community recovery following severe fire in the Long Island pine barrens, NSF, DEB 9634664, $25,000
1996	J. Gurevitch, PI: Responses of pitch pine following severe fire in the Long Island pine barrens, The Nature Conservancy, $7,000
1991 - 1992	J. Gurevitch, PI: Ecological meta-analysis: synthesizing the results of field experiments on competition and predation. NSF, Co-sponsored by Ecology and Mathematics, $26,500.
1991	J. Gurevitch, PI: NSF, Diss. Impr. Award (for Janet A. Morrison), $10,954.
1990	J. Gurevitch, PI: NSF, Research Experiences for Undergraduates Award, $4,600
1989 - 1994	J. Gurevitch, PI: Competitive dominance at two soil resource levels. NSF $134,634.
1989	J. Gurevitch: Katherine Putnam Fellowship, Arnold Arboretum of Harvard University.

Publications

Citations: (to 24 August 2014): 11,654 Google Scholar/H index 39; 6274 Web of Science /H index 31 (not including book chapters, books and software citations)

My work has been highlighted in several undergraduate ecology textbooks, including my work on meta-analysis (J. Gurevitch et al. 1992, J. Gurevitch et al. 2000) cited by C. Krebs, *Ecology*, e.g. 6th edition, 2009, and field experiments (Gurevitch 1986) in T.M. Smith and R.L. Smith, *Elements of Ecology*, e.g.7th edition, 2009, Benjamin Cummings, San Francisco CA, among others.

***BOOKS PUBLISHED*:**

Koricheva, J., J. Gurevitch and K. Mengersen, eds. 2013. *Handbook of Meta-analysis in Ecology and Evolution*. (Princeton Univ. Press; graduate/ professional level)

Gurevitch, J., S.M. Scheiner and G.L. Fox. 2006. *The Ecology of Plants*, *2nd Ed*. Sinauer Associates, Sunderland, MA. (the major undergraduate text on the subject)

Gurevitch, J., S.M.Scheiner and G.L. Fox. 2002. *The Ecology of Plants*. Sinauer Assoc., Sunderland, MA.

Scheiner, S.M and J. Gurevitch, Eds. 2001. *Design and Analysis of Ecological Experiments, 2nd Ed*. Oxford Univ. Press. (graduate and professional level textbook)

S. M. Scheiner and J. Gurevitch, Eds. 1993. *The Design and Analysis of Ecological Experiments.* Chapman & Hall, NY and London.

Publications (*con't.*)

ARTICLES AND CHAPTERS

2014

Hillebrand, H. and J. Gurevitch. 2014. Meta-analysis results are unlikely to be biased by differences in variance and replication between ecological lab and field studies. Oikos 123:794-799.

Koricheva, J. and J. Gurevitch. 2014. Uses and misuses of meta-analysis in plant ecology. Journal of Ecology 102:828-844 doi: 10.1111/1365-2745.12224

2013

Lowry, Edward, Emily J. Rollinson, Adam J. Laybourn, Tracy E. Scott, Matthew E. Aeillo-Lammens, Sarah M. Gray, James Mickley and Jessica Gurevitch. 2013. Biological invasions: a field synopsis, systematic review and database of the literature. Ecology and Evolution 3: 182-196. DOI: 10.1002/ece3.431.

Hillebrand, H. and J. Gurevitch. 2013. Reporting standards in experimental studies. (Editorial) Ecology Letters 16:1419-1420. DOI:10.1111/ele.12190

2012

Correa, A., J. Gurevitch, M. A Martins-Loucao, and C. Cruz. 2012. C allocation to the fungus is not a cost to the plant in ectomycorrhizae. Oikos 121: 449-463.

Conord, C., B. Fady and J. Gurevitch. 2012. Large scale longitudinal gradients of genetic diversity: a meta-analysis across six phyla in the Mediterranean basin. Ecology and Evolution 2: 2600-2614. DOI: 10.1002/ece3.350

2011

Gurevitch, J., G. A. Fox, G. M. Wardle, Inderjit and D. Taub. 2011. Emergent insights from the synthesis of conceptual frameworks for biological invasions. Ecology Letters 14: 407-418.

2010

Gurevitch, J. and K. Mengersen. 2010. A statistical view of research synthesis of patterns of species richness along productivity gradients: devils, forests and trees. Ecology 91: 2553-2560.

Gurevitch, J. 2010. Invasions and plant competition. In: Encyclopedia of Invasive Introduced Species, D. Simberloff and M. Rejmanek, eds. Univ. California Press, Berkeley CA.

2009

Dukes, J.S., J. Pontius, D. Orwig, J.R. Garnas, V.L. Rodgers, N.Brazee, B. Cooke, KA. Theoharides, E.E. Stange, R. Harrington, J. Ehrenfeld, J. Gurevitch, M. Lerdau, K. Stinson, R. Wick, and M. Ayres. 2009. Responses of insect pests, pathogens, and invasive plant species to climate change in the forests of northeastern North America: What can we predict? 2009. Can. J. For. Res. 39:231-248.

2008

J. Gurevitch, T.G. Howard, I.W. Ashton, E.A. Leger, K.M. Howe, E. Woo and M. Lerdau. 2008. Effects of experimental manipulation of light and nutrients on establishment of seedlings of native and invasive woody species in Long Island, NY forests. Biological Invasions 10: 821-831.

Publications (*con't.*)

2007

E. A. Leger, K. M. Howe, J. Gurevitch, E. Woo, J.Hickman, I.W. Ashton, and M. Lerdau. 2007. The interaction between soil nutrients and leaf loss during early establishment in plant invasion. Forest Science 53: 701-709.

2006

Richards, C., O. Bossdorf, N. Muth, J. Gurevitch and M. Pigliucci. 2006. Jack of all trades, master of some? On the role of phenotypic plasticity in plant invasions. Ecology Letters 9:981-993.

Gurevitch, J. 2006. Commentary on Simberloff (2006): meltdowns, snowballs and positive feedbacks. Ecology Letters 9:919-921.

W. Fang, G. Fox, D. R. Taub, R. M. Landis, S. Natali and J. Gurevitch. 2006. Sources of variation in growth, form and survival in dwarf and normal-stature pitch pines, *Pinus rigida* (Pinaceae) in long term transplant experiments. American Journal of Botany 93:1125-1133.

K. A. Brown, F.N. Scatena and J. Gurevitch. 2006. Effects of an invasive tree on community structure and diversity in a tropical forest in Puerto Rico. Forest Ecology and Management 226:145-152.

2005

R. M. Landis, J. Gurevitch, W. Fang, D. Taub and G. A. Fox. 2005. Variation in recruitment and early demography in *Pinus rigida* following crown fire in the pine barrens of Long Island, NY. Journal of Ecology 93: 607-617.

I.W. Ashton, L.A. Hyatt, K.M. Howe, J. Gurevitch, and M.T. Lerdau. 2005. Invasive species accelerate decomposition and litter nitrogen loss in a mixed deciduous forest. Ecological Applications 15: 1263-1272.

2004

Legendre, P., M.R.T. Dale, M-J. Fortin, P. Casgrain and J. Gurevitch. Effects of spatial structures on the results of field experiments. 2004. Ecology 85: 3202-3214.

Brown, K.A. and J. Gurevitch. 2004. Long-term impacts of logging on forest diversity in Madagascar. PNAS 101:6045-6049.

Howard, T.G., J. Gurevitch, L. Hyatt and M. Carreiro. 2004. Forest invasibility in communities in southeastern New York. Biological Invasions 6: 393-410.

Gurevitch, J. and D. Padilla. 2004. Are invasive species a major cause of extinctions? Trends in Ecology and Evolution 19: 470-474.

Gurevitch, J. and D. Padilla. 2004. Response to Ricciardi: Assessing species invasions as a cause of extinction. Trends in Ecology and Evolution 19: 620.

2003

Hyatt, L.A., M.S. Rosenberg, T.G. Howard, G. Bole, W. Fang, J. Anastasia, K. Brown, R. Grella, K. Hinman, J.P. Kurdziel and J.Gurevitch. 2003. The distance dependence prediction of the Janzen-Connell hypothesis: a meta-analysis. Oikos 103: 590-602.

Publications (*Con't.*)

2002

Liebhold, A.M. and J. Gurevitch. 2002. Integrating the statistical analysis of spatial data in ecology. Ecography 25: 553-557.

Legendre, P., M.R.T. Dale, M.-J. Fortin, J. Gurevitch, M. Hohn and D. Myers. 2002. The consequences of spatial structure for the design and analysis of ecological field surveys. Ecography 25: 601-615.

2001

Gurevitch, J., P. Curtis and M. H. Jones. Meta-analysis in ecology. 2001. Advances in Ecological Research 32:199-247.

Rustad L.E., J.L Campbell, G.M. Marion, R.J. Norby, M.J. Mitchell, A.E. Hartley, J.H.C. Cornelissen, and J.Gurevitch. 2001. A meta-analysis of the response of soil respiration, net nitrogen mineralization, and aboveground plant growth to experimental ecosystem warming. Oecologia 126 (4): 543-562.

2000

Gurevitch, J., J. A. Morrison and L. V. Hedges. 2000. The interaction between competition and predation: a meta-analysis of field experiments. American Naturalist 155: 435-453.

Shaver, G.R., J. Canadell, F. S. Chapin, III, J. Gurevitch, J. Harte, G. Henry, P. Ineson, S. Jonasson, J. Melillo, L. Pitelka, and L. Rustad. 2000. Global warming and terrestrial ecosystems: a conceptual framework for analysis. BioScience 50:871-882.

Fox, G. A. and J. Gurevitch. 2000. Population numbers count: tools for near-term demographic analysis. American Naturalist 156:242-256.

1999

Gurevitch, J. and L.V. Hedges. 1999. Statistical issues in conducting ecological meta-analyses. Ecology 80:1142-1149.

Hedges, L. V., J. Gurevitch and P. Curtis. 1999. Meta-analysis of response ratios in experimental ecology. Ecology 80:1150-1156.

Goldberg, D.E., T. Rajaniemi, J. Gurevitch and A. Stewart-Oaten. Empirical approaches to quantifying interaction intensity: competition and facilitation along productivity gradients. Ecology 80:1118-1131.

A.M. Arft, M.D. Walker, J. Gurevitch, and the ITEX Synthesis Group. 1999. Responses of tundra plants to experimental warming: meta-analysis of the International Tundra Experiment. Ecological Monographs 69: 491-511.

1998

Gomez, P. and J. Gurevitch. 1998. Weed community responses in a corn-soybean intercrop. Applied Vegetation Science 1:281-288.

1997

Adams, D.C., J. Gurevitch and M.S. Rosenberg. 1997. Resampling tests for meta-analysis of ecological data. Ecology 78:1277-1283.

Publications (*Con't.*)

1996

Gurevitch, J., T. C. Morton, P. L. Gomez, D. R. Taub and I-N. Wang. 1996. Competition and genetic background in a rapid-cycling cultivar of *Brassica rapa* (Brassicaceae). American Journal of Botany 83:932-938.

1995

Wilson, C. and J. Gurevitch. Plant size and spatial pattern in a natural population of *Myosotis micrantha*. 1995. Journal of Vegetation Science 6:847-852.

1994

J. Gurevitch and S. L. Collins. 1994. Experimental manipulation of natural plant communities. Trends in Ecology and Evolution 9:94-98 (cover article).

R. J. Reader, et al. 1994. Intensity of plant competition and neighbor biomass: testing for a consistent relationship. Ecology 75:1753-1760.

1993

Gurevitch, J. and L. V. Hedges. 1993. Meta-analysis: combining the results of independent experiments. *In:* Scheiner, S.M. and J. Gurevitch, The Design and Analysis of Ecological Experiments. pp. 378-398.

Fortin, M.-J. and J. Gurevitch. 1993. Permutation methods: spatial patterning and plant competition. *In:* Scheiner, S.M. and J. Gurevitch, The Design and Analysis of Ecological Experiments. pp. 342-359.

1992

Gurevitch, J., L. L. Morrow, A. Wallace and J. S. Walsh. 1992. A meta-analysis of field experiments on competition. American Naturalist 140:539-572.

Gurevitch, J. 1992. Sources of variation in leaf shape among two populations of *Achillea lanulosa*. Genetics 130:385-394.

Gurevitch, J. 1992. Differences in photosynthetic rate in populations of *Achillea lanulosa* from two altitudes. Functional Ecology 6:568-574.

1990

Gurevitch, J. and P.H. Schuepp. 1990. Boundary layer properties of highly dissected leaves: an investigation using an electrochemical fluid tunnel. Plant, Cell and Environment 13:783-792.

Gurevitch, J., P. Wilson, P. Teese, J. Stone, and R. Stoutenburgh. 1990. Competition among old-field perennials: effects of available space and resource level. Journal of Ecology 78:727-744.

1989

Gurevitch, J. and R. S. Unnasch. 1989. The effect of competition on plant community structure at two levels of soil resources. Can. J. Bot. 67:3470-3477.

Publications (*Con't.*)

1988

Monson, R.K., J.A. Teeri, M.S.B. Ku, J. Gurevitch and L.J. Mets. 1988. Carbon isotope ratios in leaves of *Flaveria* species exhibiting different amounts of C_3- and C_4- cycle co-function. Planta 174:145-151.

Gurevitch, J. 1988. Variation in leaf dissection and leaf energy budgets among populations of *Achillea* from an altitudinal gradient. Amer. J. Botany 75:1298-1306.

Gurevitch, J. 1988. Differences in the proportion of women to men invited to give seminars: is the old boy still kicking? Bull. Ecol. Soc. Amer. 69:155-160.

1986

Gurevitch, J. Competition and the local distribution of the grass *Stipa neomexicana*. 1986. Ecology 67:46-57.

Gurevitch, J. 1986. Restriction of a C_3 grass to dry ridges in a desert grassland. Canadian Journal of Botany 64:1006 -1011.

Gurevitch, J. and S.T. Chester. 1986. Analysis of repeated measures experiments. Ecology 67:251-255.

Gurevitch, J., J.A. Teeri and A.M. Wood. 1986. Genetic differentiation in water relations and photosynthetic carbon metabolism among populations of *Sedum wrightii* (Crassulaceae). Oecologia 70:198-204.

Teeri, J.A., M. Turner and J. Gurevitch. 1986. The response of leaf water potential and Crassulacean Acid metabolism to prolonged drought in *Sedum rubrotinctum*. Plant Physiol. 81:678-680.

1984

Teeri, J.A. and J. Gurevitch. 1984. Environmental and genetic control of Crassulacean acid metabolism in two Crassulacean species and an F_1 hybrid with differing biomass $\delta^{13}C$ values. Plant, Cell and Environment 7:589-596.

Scheiner, S.M., J. Gurevitch and J.A. Teeri. 1984. A genetic analysis of the photosynthetic properties of populations of *Danthonia spicata* that have different growth responses to light level. Oecologia 64:74-77.

SOFTWARE PUBLISHED

Rosenberg, M.S., D.C. Adams and J. Gurevitch. 1997; 2000. *MetaWin*. 1.0 & 2.0. Statistical software for conducting meta-analysis: fixed effect models, mixed effect models, and resampling tests. (Versions 1.0, 2.0). Sinauer Assoc., Sunderland, MA.

George Dietz, Byron C. Wallace, Marc J. Lajeunesse, Christopher H. Schmid, Thomas A. Trikalinos, and Jessica Gurevitch. 2014. OpenMEE: Software for Ecological and Evolutionary Meta-Analysis. Open access, http://www.cebm.brown.edu/open_mee .

PUBLISHED BOOK AND SOFTWARE REVIEWS (since 1995)

Gurevitch, J. 2007. Sparrow wars, reptilian eucalypts, and xenophobes. Review of: American perceptions of immigrant and invasive species: strangers on the land. Science 316: 544-544.

Gurevitch, J. 2003. Data analysis in biology. Review of: Quinn, G.P. and M.J. Keough. 2000. Experimental design and data analysis for biologists. Cambridge Univ. Press, Cambridge. Journal of Biogeography 30: 1281-1282.

Gurevitch, J. 1999. Review of: D.M. Richardson, ed. Ecology and Biogeography of *Pinus*. 1998. Quart. Rev. Biol. (QRB) 74: 232.

L. Hyatt and J. Gurevitch. 1998. Review of: Brock, J.H., et al., eds. 1997. Plant Invasions: Studies from North America and Europe. Quart. Rev. Biol. 73:508-9.

Floyd, T. and J. Gurevitch. 1997. Statistical commonsense and complexity. Book review of: Underwood, A.J. 1997. Experiments in Ecology. TREE 10:410-411.

Gurevitch, J. 1996. Review of: Whelan, R.J.1995.The Ecology of Fire. QRB 71:439-440.

POPULAR PUBLICATIONS

J. Gurevitch. *Lovely Enemy*. 2009. Op Ed (full page), Newsday, Sunday Aug. 16, 2009. Article on invasive plants, published in the daily newspaper of Long Island, NY

Invited Working Groups, Workshops and Courses Offered

SHORT COURSES TAUGHT AND INVITED WORKSHOP LEADER

2014 CESAB, Aix-en-Provence, France, Meta-analysis and systematic reviewing

Göteborg University, Biology & Env. Sci., Marine station atTjärnö, Sweden

SESYNC, Annapolis, MD: Land Use, Biodiversity and Ecosystem Services

2013 University of Delhi, Delhi, India, Centre for Environ. Management Degraded Ecosystems

University of Lisbon, Lisbon, Portugal

Carl-von-Ossietzky University Oldenberg, Oldenberg, Germany

All: Meta-analysis and systematic reviews in Ecology and Evolution

2012 Swiss Federal Research Institute, Ecological Genetics & Evolution, Zurich, Meta-analysis in Ecology and Evolution

2010 J. Gurevitch, Current practice in meta-analysis in ecology; short course, Hebrew University, Rehovot campus, Israel

2009 J. Gurevitch, G. A. Fox, G. Wardle, M. Taub, Inderjit; Short term visiting group, Conceptual syntheses in invasion biology, funded by NESCent, Durham NC

J. Gurevitch, K. Mengersen and M. LaJeunesse. NESCent, Durham, NC. Short course in Meta-analysis in Ecology & Evolution

2008 Swiss Federal Research Institute, Ecological Genetics & Evolution, Zurich, Meta-analysis in Ecology and Evolution

2006-08 J. Koricheva and J. Gurevitch; Meta-analysis in ecology: Lessons, challenges and future. Funded by NCEAS, Santa Barbara.

2005 Ecological meta-analysis, University of Calgary

2002 Meta-analysis, Pymatuning Biological Station, Univ. Pittsburgh

1999-2000 A. Liebhold and J. Gurevitch; Integrating the statistical modeling of spatial data in ecology. Funded by NCEAS, Santa Barbara.

Invited Presentations (since 2005)

2014 Institute for Ecosystem Studies, Millbrook, NY

Stellenbosch Institute for Advanced Studies

2013 University of Vermont, Biological Sciences

Center Invasive Biology, Stellenbosch University, South Africa

Biological Sciences, University of Delhi, Delhi, India

INRA, *Ecologie des Forêts Méditerranéennes (URFM)*, Avignon, France

Biological Sciences, University of Lisbon, Lisbon, Portugal

Invited Presentations, con't.

2013 (*con't.*)

Ecology and Evolutionary Biology, Princeton University, Princeton, NJ Ecology and Evolutionary Biology, University of Arizona, Tucson

Philadelphia Botanical Club/Academy of Natural Sciences, Philadelphia

Institute for Chemistry and Biology of the Marine Environment (ICBM), Carl-von-Ossietzky University Oldenburg, Oldenberg, Germany

Biology, New York University, New York, NY

2012 Symposium, ESA Annual Meeting, Portland OR

Biological Sciences, Temple University, Phila. PA (Grad. student invited speaker)

Biological Sciences, Syracuse University, Syracuse NY

Environmental Studies, New York University, New York, NY

Endocrinology Department, Syracuse University, Syracuse NY

Douglas Lake Biological Station, Pellston, Michigan

BEF China research group, Wisch, Germany

2011 Biological Sciences, Arkansas State University, Jonesboro, AR

2009 Odum Conference, E.N. Huyck Preserve & Rensselaerville Institute, Rensselaerville NY (**Keynote speaker**)

Department of Biological Sciences, Binghamton University, Binghamton NY

2008 Ecology, Evolution and Behavior, University of Texas, Austin

Biological Sciences, University of Central Florida

Swiss Federal Research Institute, Research Unit Ecological Genetics & Evolution, Zurich

2007 Alien Species: Environment, Biorisks, Future. Univ. of Turku, Turku, Finland

Meta-analysis: a practical perspective; British Ecological Society, Glasgow

2006 Plant Biology/DOE Plant Research Lab, Michigan State University, Lansing MI

Biology, Ecology and Management of the World's Worst Plant Invasive Species; Delhi, India (**Keynote speech**)

2005 Ecology, Evolution and Environmental Biology and Center for Environmental Research and Conservation, Columbia University, New York City, NY

Ecology, Evolution and Natural Resources, Rutgers University, New Brunswick, NJ

Biology, Swarthmore College, Swarthmore, PA

Biology, Indiana University, Bloomington IN

University Teaching

Undergraduate Courses Taught at Stony Brook

General Ecology, BIO 351
Plant Ecology, BIO 385
Principles of Biology, BIO 151 (former Intro Bio for majors, co-taught)
Fundamentals of Biology, BIO 201 (Intro Bio for majors, co-taught/ course director)
An Introduction to Stony Brook, USB 101
Freshman Seminar: Critical Issues in the Environment, SSO 102

Graduate Courses and Seminars Taught

Principles and Applications of Ecology and Evolution (BEE 576, MA level, with L. Davalos)
Principles of Ecology, BEE 550 (with C. Janson and J. Thomson)
Advanced Ecology, BEE 560 (with J. Thomson and L. Slobodkin)
Research Design and Analysis in Ecology and Evolution, BEE 585
Seminars: The synthesis of quantitative genetics and physiological ecology; Agricultural ecology; The ecology of pine barrens; Invasive species; Ecological meta-analysis & others; Biotic responses to global climate change, Ecological Disasters, and others

Undergraduate Honors college advisor, 2002-2008

Community Service

Organized workshop on career choices and opportunities for women in science, March 27, 1990, held at State University of New York at Stony Brook.

Participant and invited speaker (careers in science), The Academy of St. Joseph, Brentwood, NY, April 1990.

Symposium for Girls Exploring Math and Science, held at State University of New York at Stony Brook on January 11, 1994; participant.

Supervised **semifinalist-winning Westinghouse** project, Loren Wittie, 1995

Invited speaker, "Meet the Professor" coffee, freshmen/sophomores, Langmuir Dorm, SUNY–Stony Brook; October 30, 1997

Invited faculty guest, Hand Residential College, Dept. of Residential Programs, SUNY–Stony Brook; November 18, 1998

Judge, Shipley-Ronal Regional Invitational Science Fair, Nassau Co. NY, May 2000

Presentation/ hands-on program on Fire Ecology and the Long Island Pine Barrens, Edna Louise Spear Elementary School, Gifted and Talented Program, October 2004

Supervised **Intel semi-finalist** research project, Zachary Hollander (Great Neck North High School), 2005-2007

Supervised Intel contestant Ross Zhang, 2007-2008

Talk on the science of plants and water, Bala Cynwyd Middle School, PA, April 2012

Talk on life as a research scientist, Brooklyn Technical High School, Brooklyn NY Oct. 2012

Talk on biological invasions, Philadelphia Botanical Club, March 2013