

CURRICULUM VITAE

Kerry A. Brown

<http://life.bio.sunysb.edu/~kbrown/index.htm>

Department of Ecology and Evolution
Stony Brook University
(631) 632-8600

26 Olympia Street
Port Jeff. Station, NY 11776
(632) 672-9335
kbrown@life.bio.sunysb.edu

EDUCATION

Ph. D., Ecology and Evolution, Stony Brook University.

Dissertation: *Linking population and ecosystem ecology through biological invasions: the invasion of Syzygium jambos in Puerto Rico*

Dissertation advisor: Dr. Jessica Gurevitch,

Master of Applied Ecology, Stony Brook University. December 1998.

Thesis: *Long-term impacts of logging on forest diversity in Madagascar*

Advisor: Dr. Lev Ginzburg and Dr. Jessica Gurevitch

Bachelor of Science, Howard University. May 1995.

RESEARCH EXPERIENCE

Post Doctoral Fellowship, Columbia Science Fellow, Columbia University, 2004-present

Doctoral Research, Stony Brook University, 2000-2004.

Quantified the ecology of an invasive tropical tree species, *Syzygium jambos* in Puerto Rico by modeling the plant's 1) population ecology, and 2) ecosystem-level impacts. Linked ecosystem impacts to the abundance and distribution of the plant. Dr. Jessica Gurevitch

Research Assistant, Stony Brook University, summer 1998-2000.

Worked on two projects, 1) assisted in an investigation of the susceptibility of eastern deciduous forest to plant invasion, 2) assisted in collecting field data for dendrochronology analysis of trees in the Long Island pine barren.

Masters Research, Stony Brook University, 1996-1998.

Investigated the impacts of logging 50 and 150 years ago on tropical forest vegetation in Madagascar and assessed how this disturbance influenced invasive plant colonization.

Dr. Jessica Gurevitch and Dr. Lev Ginzburg.

TEACHING EXPERIENCE

Undergraduate mentor, Puerto Rico, 2000-2002.

Managed and supervised three undergraduate field assistants, who I hired to do fieldwork with me during intense work periods. Managed and supervised a volunteer field assistant from the University of Puerto Rico.

Course Instructor, Population and Conservation Biology, Stony Brook University, spring 2001. Organized and taught an undergraduate course in conservation biology; wrote and organized lectures for the class; wrote and gave lecture exams. Supervised the activities of two graduate teaching assistants.

Teaching Assistant, Introductory Biology, Stony Brook University, Fall 1999 and Fall 2000. Taught the first semester of laboratories in Stony Brook's introductory biology course. Organized the lectures for each lab meeting, assigned and graded lab reports, quizzes, and lab exams.

Teaching Assistant, Population and Conservation Biology, Stony Brook University, spring 1999 and 2000. Taught the computer modeling and laboratory section for the undergraduate population biology course. Assigned and graded research paper and lab reports.

Teaching Assistant, Introductory Biology, Stony Brook University, Fall 1996-Spring 1998. Taught both semesters of laboratories in Stony Brook's introductory biology course. Organized the lectures for each lab meeting, assigned and graded lab reports, quizzes, and lab exams.

PUBLICATIONS

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.

Brown, K.A. and J. Gurevitch. 2004. Long-term impacts of logging on forest diversity in Madagascar. *Proceedings of the National Academy of Science (PNAS)* 101 (16): 6045-6049.

Submitted Manuscripts

Brown, K.A., F.N. Scatena, and J. Gurevitch. *Submitted* to *Journal of Ecology*. Tropical forest recovery: establishment of a nonnative plant along riparian corridors in northeastern Puerto Rico

In-Prep Manuscripts

Brown, K.A. and T.H. Keitt. Linking population and ecosystem ecology through biological invasions: The Positive Feedback Hypothesis (PFH). *To be submitted* to *Oikos*.

ABSTRACTS AND PRESENTATIONS

Brown, K. A. 2000. Impact of nonnative plants on native tree diversity and composition in Madagascar. Presented at Ecological Society of America (ESA), Poster presentation, Snowbird, UT.

T. Howard, J. Gurevitch, R. Misra, W. Fang, **K. A. Brown**. 2000. The differential influence of site and soil characteristics on invasibility of forest communities. Presented at ESA, contributed paper, Snowbird, UT 2000.

Brown, K.A. 1999. Impact of nonnative plants on native tree diversity and composition in Madagascar. Informal Student Seminar, Stony Brook University.

Gurevitch, J.K., L Hyatt, T. Howard, W. Fang, **K. A. Brown**, J. Kaplan. 1999. Patterns of plant invasion in multiple environments. ESA, contributed paper, Spokane WA.

Brown, K.A., F. N. Scatena, and J. Gurevitch. 2003. Tropical forest recovery: establishment of an invasive tree in Puerto Rico. ESA, contributed paper, Savannah, GA.

RESEARCH GRANTS

Authored a grant proposal to USDA, Forest Service, International Institute of Tropical Forestry.
Funded \$15,000, 2000-2003.

PROFESSIONAL AFFILIATIONS

Ecological Society of America (ESA)
Member Beta Kappa Chi National Honor Society

HONORS

Dean's List, Howard University 1993-1995
Recipient, Academic Scholarship from Howard University, 1995
Recipient, Graduate Assistance in Areas of National Need (GAANN) Fellowship, 1998-2001
Recipient, Outstanding Student Presentation Award, Department of Ecology and Evolution 1999
Recipient, Outstanding Teaching Assistant Award, Department of Ecology and Evolution 2000
Recipient, Turner Dissertation Fellowship, SUNY at Stony Brook 2003-2004
Recipient, Columbia Science Fellowship, Columbia University 2004-2005

SOFTWARE AND PROGRAMMING

Arc-View GIS
MATLAB
RAMAS GIS
RAMAS Eco-Lab
RAMAS Meta-population

REFERENCES

Dr. Jessica Gurevitch, Graduate Advisor
Department of Ecology and Evolution, Stony Brook University
Stony Brook, NY 11794-5245
(631) 632-8600
igurvitch@life.bio.sunysb.edu

Dr. Dianna Padilla
Department of Ecology and Evolution
SUNY at Stony Brook
Stony Brook, NY 11794-5245
(631) 632-8600
padilla@life.bio.sunysb.edu

Dr. Lev Ginzburg
Department of Ecology and Evolution
SUNY at Stony Brook
Stony Brook, NY 11794-5245
(631) 632-8600
lev@ramas.com

Dr. F. N. Scatena
Department of Earth & Environmental Science
Hayden Hall
University of Pennsylvania
240 South 33rd Street
Philadelphia, PA

19104-6316
fns@sas.upenn.edu