



Biosketch for Russell Burke

PROFESSIONAL PREPARATION:

Ohio State University, Zoology, B.S. 1981

University of Florida, Wildlife Ecology M.S. 1987

University of Michigan, Biology, Ph.D. 1994

University of Michigan, Natural Resources & Ecology, Post-Doc, 1994-1996

APPOINTMENTS

2002-present: **Associate Professor**, Department of Biology, Hofstra University, Hempstead NY

1996 to 2002: **Assistant Professor**, Department of Biology, Hofstra University, Hempstead NY.

1995: **Lecturer**, School of Natural Resources & Ecology, University of Michigan, Ann Arbor, MI.

1994-1995: **Lecturer**, Department of Biology, Eastern Michigan University, Ypsilanti, MI.

SIGNIFICANT PUBLICATIONS RELEVANT TO PROPOSAL:

Burke, R.L. and G. Deichsel. 2008. Lacertid lizards introduced into North America: history and future. Jung, R.E. and J.C. Mitchell (eds.). Urban Herpetology. Herpetological Conservation Vol. 3, Society for the Study of Amphibians and Reptiles. In press.

Burke, R.L., S. Goldberg, C. Bursey, S. Perkins, and P. Andreadis. 2007. Depauperate Parasite Fauna in Introduced Populations of *Podarcis* (Squamata: Lacertidae) Lizards in North America. *Journal of Herpetology*. 41: 755-757.

Burke, R.L. and S. Ner. 2005. Seasonal and Daily Activity Patterns of Italian Wall Lizards, *Podarcis sicula campestris*, in New York. *Northeastern Naturalist*. 12:349-360.

Burke, R.L. and Mercurio, R. 2002. Food habits of a New York population of Italian wall lizards, *Podarcis sicula* (Reptilia, Lacertidae). *American Midland Naturalist*. 147:368-375.

Burke, R.L., G. Frame, and S. Ner. 2002. Inventory of Mammals, Reptiles, and Amphibians at Jamaica Bay, NY, May 2000 through April 2001. Pp. XX-XX *In: Jamaica Bay Ecosystem Research and Restoration Team (JABERRT) Final Report.*

OTHER PUBLICATIONS

Ner, S, and R.L. Burke. 2008. Direct and indirect effects of urbanization on Diamondback terrapins of New York City: Distribution and predation of terrapin nests in a human-modified estuary. Jung, R.E. and J.C. Mitchell (eds.). Urban Herpetology. Herpetological Conservation Vol. 3, Society for the Study of Amphibians and Reptiles. In press.

Ashton, K. G., and R. L. Burke. 2007. Retention of a relocated population of gopher tortoises 17 years later. *Journal of Wildlife Management*. 71:783-787.

Burke, R. L., C. Schneider, and M.T. Dolinger. 2005. Cues used by raccoons to find turtle nests: Effects of flags, human scent, and diamond-backed terrapin sign. *Journal of Herpetology*. 39:312-315.

- Feinberg, J.A. and R.L. Burke. 2003. Nesting ecology and predation of diamondback terrapins, *Malaclemys terrapin*, at Gateway National Recreation Area, New York. *Journal of Herpetology*. 37:517-526.
- Burke, R.L., A. A. Hussain, J. M. Storey, and K. B. Storey. 2002. Freeze tolerance and supercooling ability in the Italian wall lizard, *Podarcis sicula*, introduced to Long Island NY. *Copeia*. 2002:836-842.

SYNERGISTIC ACTIVITIES

- 1997-present: I have presented 35 public lectures to nature-oriented organizations and amateur scientific societies, describing my work and a variety of related scientific topics
- 2006-present: Co-organizer of annual Darwin Day activities for Hofstra University faculty, staff, students, and visitors. Co-organizer of 3 day academic conference in March 2009 entitled: Darwin's Reach: A Celebration of Darwin's Legacy across Academic Disciplines.
- 1996-present: I have served as Scientific Mentor to 17 high school students, each of whom has worked with me 1-3 years in the lab and in the field. These students all completed research papers, several have placed well in local and national science fair competitions.
- 1998-present: I developed a laboratory manual for Field Ecology (undergraduate and graduate students), a new course at my institution. I now teach this course regularly, and it includes techniques for surveys, population estimates, and comparative indices for reptiles, amphibians, small mammals, and medium-sized mammals.
- 1998-present: I have received 5 grants totaling \$47,000, specifically targeted for Environmental Education. This grants have be used to introduce K12 students, K12 teachers, retirees, and other interested non-scientists to environmental research and wildlife management issues.
- Collaborators and Co-Editors. A list of all persons in alphabetical order (including their current organizational affiliations) who are currently, or who have been collaborators or co-authors with the individual on a project, book, article, report, abstract or paper during the 48 months preceding the submission of the proposal. Also include those individuals who are currently or have been co-editors of a journal, compendium, or conference proceedings during the 24 months preceding the submission of the proposal. If there are no collaborators or co-editors to report, this should be so indicated.
 - Graduate Advisors and Postdoctoral Sponsors. A list of the names of the individual's own graduate advisor(s) and principal postdoctoral sponsor(s), and their current organizational affiliations.
 - Thesis Advisor and Postgraduate-Scholar Sponsor. A list of all persons (including their organizational affiliations), with whom the individual has had an association as thesis advisor, or with whom the individual has had an association within the last five years as a postgraduate-scholar sponsor. The total number of graduate students advised and postdoctoral scholars sponsored also must be identified.