

JODI L. SEDLOCK
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Lawrence University
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DEGREES:

B.S. (Biology), Loyola University, Chicago, IL USA, 1994
B.A. (Fine Arts), Loyola University, Chicago, IL USA, 1994
Ph.D. (Ecology and Evolution), University of Illinois at Chicago, Chicago, IL USA, 2001

CURRENT POSITIONS:

Associate Professor of Biology & Environmental Studies, Lawrence University (9/09-present)
Assistant Professor of Biology & Environmental Studies, Lawrence University (9/02-8/09)
Research Associate in Zoology, The Field Museum, Chicago (8/03-present)

FORMER POSITIONS:

Research Consultant, Bat Conservation International, Austin, TX (4/07-08)
Instructor, Coe College Wilderness Field Station, Coe College (6/07-7/07)
Program Assistant, Conservation Training Consortium, c/o University of Illinois (07/01-12/01)
Teaching Assistant, University of Illinois at Chicago (8/95 - 5/00)
Program Coordinator (John D. and Catherine T. MacArthur funded, Malagasy graduate student training program), The Field Museum (6/95 -7/95)
Symposium Coordinator (Natural and Human-induced Change in Madagascar), The Field Museum (10/94 - 6/95)
Research Assistant (for LR Heaney) and Illustrator, Division of Mammals, The Field Museum (1990 -1994)

COURSES TAUGHT (LAWRENCE UNIVERSITY):

Conservation Biology – Sophomores-Seniors
General Zoology – Freshman-Seniors
Morphogenesis of Vertebrates – Sophomores-Seniors
Terrestrial Field Ecology -- Sophomores-Seniors
Environmental studies capstone – Seniors
Introduction to Environmental Science – Freshman-Seniors
Environmental Studies Seminar (topic: Green Urban Development)—Sophomores-Seniors
Freshman Studies – Freshman

TUTORIALS (LAWRENCE UNIVERSITY):

Bat Ecology
Forest Fragmentation

Introduction to Geographic Information Systems (GIS)
Environmental Education

INDEPENDENT STUDIES (LAWRENCE UNIVERSITY):

Spatial Analysis in Ecology
Bat Diet Analysis
Bats in Forest Fragments
Urban Riparian Ecology
Roosting Ecology
Alewife Foraging Behavior
Rhinolophid Echolocation
Shorebird Foraging
Urban Deer Populations
Home Range Estimation
Bats and Crop Pests

LAWRENCE UNIVERSITY COMMITTEES:

Multicultural Affairs Committee (2003-05)
Freshman Studies Works Committee (2004-05)
Committee on the Curriculum (2005-07)
Senior Experience Task Force (2007-08)
Committee on Instruction (2007-2009)

TRAINING WORKSHOPS (PHILIPPINES):

Mentoring Undergraduate Thesis Research (3 days). August 2008. Ateneo de Davao. Davao City, Philippines. (17 faculty from the Natural Science, Social Science and Engineering departments participated) Co-facilitator: Nina R. Ingle)

Cave bat field workshop (1 day): July 2008. Bilar, Bohol Island, Philippines. (ca. 85 Faculty and students of Central Visayan State College of Agriculture, Forestry and Technology participated. Co-facilitators: R. Jose, L. Paguntalan, P. Carino, S. Weyandt, and J. Vogt)

Ecological Research Workshop. April 2007. Davao City, Philippines (ca. 25 Filipino students and faculty participated. Co-facilitators: N. Ingle, D. Waldien and T. Katzner)

Manuscript Preparation Workshop. April 2007. Davao City, Philippines (ca. 40 members of the Wildlife Conservation Society of the Philippines participated. Co-facilitators: N. Ingle and D. Waldien)

Field methods in Bat Research Workshop. August 2005. Mount Isarog, Philippines (ca. 15 students from Camerines Sur State Agricultural College participated in a field-based, two day training)

GRANTS AND AWARDS:

The Field Museum's Marshall Field Fund for Enhancing Research Collections 2009
Disney Conservation Fund (with Bat Conservation International) 2008
Benficia Research Grant (with Bat Conservation International) 2007-08
The Field Museum's Marshall Field Fund for Enhancing Research Collections 2006-07
AsiaNetwork's Freeman Student-Faculty Collaborative Research Fellowship 2005
Smithsonian Tropical Research Institute (Short-term Research Fellowship) 2001
Karl F. Koopman Award, North American Symposium on Bat Research 1999
Bat Conservation International (Student Scholarship), 1999
Chicago Zoological Society (Conservation and research committee), 1998
Barbara Brown Fund (The Field Museum), 1998-1999
American Society of Mammalogists (Grants-in-aid), 1998
Sigma Xi, 1998

ART EXHIBITIONS:

Big Print Exhibit: Human-Environment interactions. June 2009 (Project leaders: Julie Lindeman and John Shimmon)

Art and Science from the Philippines (with Laura Corcoran '05, Shi-Hsia Hwa '06, Marin Damerow '07). February 2006. Mudd Gallery, Lawrence University.

INVITED LECTURES:

University of Wisconsin-Milwaukee. 2008. *Bat diversity and conservation in the Philippines.*

Central Visayan State College of Agriculture, Forestry and Technology. 2008. *The diversity and conservation status of bats on Bohol Island, Philippines.*

Sierra Club—Fox Valley Chapter. 2008. *Bat diversity and echolocation.*

National Aviary, Pittsburg. 2006. *Wildlife research, education and conservation in rural communities in the Philippines* (with Nina R. Ingle)

Coe College Wilderness Field Station, Minnesota. 2006. *Bat Guilds in forest and agro-pastoral habitats within Mount Isarog Natural Park, Philippines*

Sierra Club—Fond du Lac Chapter. 2006. *Bat diversity and echolocation.*

University of Wisconsin-Stevens Point. 2004. *Habitat structure and resource heterogeneity influence bat coexistence*

University of Ulm, Department of Experimental Biology, Ulm, Germany. 2001. *Mechanisms of coexistence and the organization of a Philippine insectivorous bat community.*

Prince of Songkla University, Hat Yai, Thailand. 2001. *Mechanisms of coexistence and the organization of a Philippine insectivorous bat community.*

Universiti Malaysia Sarawak, Department of resource science and technology, Kuching, Malaysia. 2001. *Mechanisms of coexistence and the organization of a Philippine insectivorous bat community.*

Silliman University, Dumaguete, Philippines. 2001. *Mechanisms of coexistence and the organization of a Philippine insectivorous bat community.*

University of the Philippines, Los Banos, Philippines. 2001. *Mechanisms of coexistence and the organization of a Philippine insectivorous bat community.*

PEER REVIEWER:

Acta Chiropterologica

Silliman Journal

Biodiversity and Conservation

Biological Conservation

SUBMITTED MANUSCRIPTS:

Sedlock, J.L., N. R. Ingle and D. S. Balete. Submitted. Multifaceted sampling of bat communities: a field test on Mount Banahaw, Philippines. *Fieldiana: Zoology*, new series.

PUBLICATIONS:

Sedlock, J L and S. E. Weyandt. In press (2009) Genetic divergence between morphologically and acoustically cryptic bats in the Philippines: novel niche partitioning or recent contact? *Journal of Zoology*

Sedlock, J. L., S. E. Weyandt, **L. Cororan, M. Damerow, S. Hwa, B. Pauli.** 2008. Bat Diversity in Tropical Forest and Agro-Pastoral Habitats within a Protected Area in the Philippines. *Acta Chiropterologica*. 10(2): 349-358.

Sedlock, J.L. 2002. Autecology and the conservation of insectivorous bats on Mt. Makiling, Philippines. *Silliman Journal* 42 (1)(2001): 163-201.

Sedlock, J.L. 2001. Inventory of insectivorous bats on Mount Makiling, Philippines using echolocation call signatures and a new tunnel trap. *Acta Chiropterologica* 3(2): 163-178.

Heaney, Lawrence R., N. R. Ingle, J. L. Sedlock, and B. R. Tabaranza, Jr. 1999. Non-flying mammals of Mindanao Island, Philippines: a field guide. *Rapid Color Guide #50*, The Field Museum.

Ingle, Nina R., J. L. Sedlock and L. R. Heaney. 1999. Bats of Mindanao Island, Philippines: a field guide. *Rapid Color Guide #49*. The Field Museum.

Patterson, B.D., S.M. Goodman and J. L. Sedlock. (eds.) 1995. *Environmental Change in Madagascar*. The Field Museum.

MEETING ABSTRACTS:

- Sedlock, J. L., R. Jose, J. Vogt, L. Paguntalan, and P. Carino. (April 2009) A survey of bats, caves and cave disturbance on Bohol Island. Wildlife Conservation Society of the Philippines Symposium. Baguio, Philippines.
- Sedlock, J. L., R. Jose, J. Vogt, L. Paguntalan, and P. Carino. (October 2008) A survey of bats, caves and cave disturbance on Bohol Island. 38th North American Bat Research Symposium. Scranton, Pennsylvania
- Sedlock, J. L. and N.R. Ingle. (April 2008) Linking Liberal Arts Education to Environmental Education in the Philippines. Association of Tropical Biology and Conservation, Kuching, Malaysia (presented by NR Ingle)
- Sedlock J. L. 2006. Bat guilds in tropical forest and agro-pastoral habitats on Mount Isarog, Philippines. 36th North American Bat Research Symposium. Wilmington, NC
- Sedlock J. L. and **B. Pauli**. 2006. Intraspecific variation in echolocation call structure of Philippine rhinolophids and hipposiderids. 36th North American Bat Research Symposium. Wilmington, NC
- S E Weyandt, J L Sedlock and L R Heaney. 18 June 2006. Cryptic variation in *Rhinolophus arcuatus*: are sympatric morphs sister species? 86th American Society of Mammalogists Annual Meeting, Amherst, Massachusetts.
- Sedlock J. L. 2006. Bat diversity in an agriculture-forest mosaic on Mount Isarog, Philippines. Abstracts of the 2006 Wildlife Conservation Society of the Philippines Meeting.
- Sedlock, J. L. 2005. A multifaceted approach for sampling bat communities in the Philippines: a field test on Mount Banahaw. Abstracts of the Wildlife Conservation Society of the Philippines Meeting.
- Sedlock, J. L. 2003. Direct and indirect effects of treefall gaps on local bat diversity in central Panama. Abstracts of the 33rd North American bat research symposium. Bat Research News 44(4): 169.
- Sedlock, J.L. 2001. A mechanistic approach to the study of bat community structure. Abstracts of the 12th International Bat Research Conference, Bangi, Malaysia. Bat Research News 42(3): 120.
- Sedlock, J. L. 2000. Mechanisms of coexistence in Philippine bats. in Abstracts of the 85th annual meeting of the Ecological Society of America, Snowbird, Utah. p. 203

Sedlock, J. L. 2000. Mechanisms of coexistence in bats of the Philippines. in Abstracts of the 80th Annual meeting of the American Society of Mammalogists, Durham, New Hampshire. p. 206.

Sedlock, J.L. 1999. Mechanisms of coexistence in a Philippine microchiropteran community. in Abstracts of the 29th Annual North American Symposium of Bat Research, Madison, Wisconsin. p. 84.

Sedlock, J.L. 1999. Insectivorous bats and mountain ecosystems. in Abstracts of the Mountain Ecosystem Symposium, Los Banos, Philippines.

Sedlock, J.L. 1999. Echolocation calls and feeding behavior of insectivorous bats on Mt. Makiling, Laguna. in Abstracts of the Wildlife Conservation Society of the Philippines, Palawan, Philippines.

MEMBER OF PROFESSIONAL SOCIETIES:

American Society of Mammalogists
Association for Tropical Biology and Conservation
Ecological Society of America
Society for Conservation Biology
Wildlife Conservation Society of the Philippines