

**John J. Obrycki, PhD**  
Professor  
Department of Entomology  
University of Kentucky  
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john.obrycki@uky.edu (E-mail)

**AREAS OF SPECIALIZATION:**

Biological control of insect pests and weeds; Seasonal phenology, genetics and ecology of Coccinellidae; Prey specificity of insect predators; Ecological effects of transgenic crops

**EDUCATION:**

Ph.D. Entomology (Biological Control) Minor in Plant Pathology, Cornell University, Ithaca NY (1982)  
M.S. Entomology, Cornell University, Ithaca, NY (1978)  
B.S. Biology: Minors in Chemistry and Environmental Studies, University of Albany, Albany, NY (1974)

**EXPERIENCE:**

**University of Kentucky, Lexington, Kentucky**

Department of Entomology, Professor 2003-present

Chair and State Entomologist, Commonwealth of Kentucky, 2003-2015

**Iowa State University, Ames, Iowa**

Department of Entomology

Professor: 1995-2003, Associate Professor: 1990-1995,

Assistant Professor 1985-1990

Interdepartmental Graduate Program in Ecology & Evolutionary Biology

Chair, 2000-2003

Leopold Center for Sustainable Agriculture,

IPM Issue Team Leader, 1990 – 1995

**United States Department of Agriculture**

Cooperative States Research, Extension, Education Service

Invasive Species Coordinator, Jan - Sept 2000

**Cornell University, Ithaca, NY**

Department of Entomology

Postdoctoral Research Associate 1982-85; Instructor: 1982, 1984

**PROFESSIONAL RECOGNITION & SERVICE:**

Bobby C. Pass Research Professor, University of Kentucky, 2016-2020

Elected to Bur Oak Society, University of Kentucky Arboretum, in recognition of professional expertise contributing to development and growth of the Arboretum (2015)  
Fellow, American Association for the Advancement of Science (2013)

International Organization for Biological Control: Nearctic Regional Section,  
President - (1994 –1996); President Elect (1992-1994);  
Secretary – Treasurer (1988-1992)

Entomological Society of America,  
President of North Central Branch (2009-10)  
North Central Representative to Governing Board (2012-2014)  
Governing Board Executive Committee (2013-2014)

Congress of the United States, Office of Technology Assessment  
Panel to assess research activities in biological control in U.S. (1993-94)

## **PATENTS**

U.S. Patent. “Attractants of Beneficial Insects”, 2003  
T.C. Baker, J. Zhu, & J.J. Obrycki

## **GRADUATE STUDENTS ADVISED**

### **Major Professor for:**

9 Ph.D degrees conferred  
17 M.S. degrees conferred

## **POSTDOCTORAL RESEARCH ASSOCIATES TRAINED - 6**

## **SCIENTIFIC PUBLICATIONS (TOTAL 160)**

### **BOOK CHAPTERS/REVIEW ARTICLES (12)**

### **REFEREED JOURNAL ARTICLES (141)**

### **EXTENSION PUBLICATIONS (7)**

### **INVITED PRESENTATIONS**

International - 7  
National - 6  
Regional - 4

### **CONTRIBUTED PAPERS**

Co-author of approximately 50 papers presented by students  
Symposia organized at National and Regional Meetings - 7

## **Publications 2012-2018**

Obrycki, J.J., J.S. McCord, N.H. Mercer, & J.A. White. 2018. Photoperiodic induction of adult diapause in North American populations of the lady beetle *Hippodamia convergens* (Coleoptera: Coccinellidae). Environ. Entomol. DOI: 10.1093/ee/nvy128.

Obrycki, J.J. 2018. Reproductive diapause in North American populations of the introduced lady beetle *Hippodamia variegata* (Coleoptera: Coccinellidae). Environ. Entomol. DOI: 10.1093/ee/nvy118.

- Nechols, J.R., J.J. Obrycki, J.R. Ruberson, L. R. Milbrath, G.S. Albuquerque, Y.-F. Chang, & J. Lopez-Arroyo. 2017. Integrating science with practice: A tribute to the life and work of Maurice J. Tauber. *Amer. Entomol.* 63(4): 251-258.
- Sethuraman, A, F. J. Janzen, & J.J. Obrycki. 2017. Recent demographic histories of three predatory lady beetles reveal complex patterns of diversity and population size change in the United States. *Insect Science* DOI:10.1111/1744-7917.12481.
- Weiser-Erlandson, L.A., M.E. Rice & J.J. Obrycki. 2016. Early spring occurrence of *Empoasca* spp. (Hemiptera: Cicadellidae) in and adjacent to alfalfa fields in Iowa. *J. Entomol. Science* 51:238-249.
- Peterson, J.A., J.J. Obrycki, & J.D. Harwood. 2016. Spiders from multiple functional guilds are exposed to Bt-endotoxins in transgenic corn fields via prey and pollen consumption. *Biocontrol Sci. & Tech.* DOI 10.1080/09583157.2016.1193591.
- Weiser-Erlandson, L.A. & J.J. Obrycki. 2015. Population Dynamics of *Empoasca fabae* (Hemiptera: Cicadellidae) in Central Iowa Alfalfa Fields. *J. of Insect Science* 15(1):121; DOI: 10.1093/jisesa/iev097
- Sethuraman, A, F. J. Janzen, & J.J. Obrycki. 2015. Population genetics of the predatory lady beetle, *Hippodamia convergens*. *Biological Control* 84: 1-10.
- Obrycki, J.J., M.J. Tauber, & C.A. Tauber. 2015. Thermal requirements for development of predatory insects: Contributions of Alois Honěk, including data on three Nearctic species. *Acta Societatis Zoologicae Bohemicae* 79: 103-109.
- Rondoni, G.,K.J. Athey, J.D. Harwood, C. Ricci, & J.J. Obrycki. 2015. Development and application of molecular gut-content analysis to detect aphid and coccinellid predation by *Harmonia axyridis* (Coleoptera; Coccinellidae) in Italy. *Insect Science* 22: 719–730. DOI: 10.1111/1744-7917.12165.
- Kajita, Y., J.J. Obrycki, J.J. Sloggett, E.W. Evans, & K.F. Haynes. 2014. Defensive Chemicals and Interspecific Interactions among Introduced and Native Congeneric Ladybird Beetles. *J. Chemical Ecology* 40:1212-1219.
- Jesse, L., M. Collyer, K. Moloney, & J.J. Obrycki. 2013. Distribution of *Megastigmus aculeatus* (Hymenoptera: Torymidae) and levels of seed predation of *Rosa multiflora* (Rosaceae) in Iowa. *Weed Biology and Management* 13: 79-88.
- Peterson, J.A., J.J. Obrycki, & J.D. Harwood. 2013. *Bacillus thuringiensis* : Transgenic Crops. In *Encyclopedia of Environmental Management*. Taylor and Francis: New York, Published online: 02 May 2013; 307-320.
- Kajita, Y., E.M. O'Neill, Y. Zheng, J.J. Obrycki, & D.M. Weisrock. 2012. A population genetic signature of human releases in an invasive ladybeetle. *Molecular Ecology* 21: 5473-5483.