

John J. Obrycki, PhD
Professor
Department of Entomology
University of Kentucky
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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:

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
16 M.S. degrees conferred

POSTDOCTORAL RESEARCH ASSOCIATES TRAINED - 6

SCIENTIFIC PUBLICATIONS (TOTAL 150)

BOOK CHAPTERS/REVIEW ARTICLES (12)

REFEREED JOURNAL ARTICLES (131)

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 2011-2015

- 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.
- Boehmer, R.F., R.N. Wiedenmann, J.J. Obrycki, B. Bonning, & R.J. O’Neil. 2011. Teaching Tips/Notes: Teaching a specialty course at three land-grant universities through distance education. *North Amer. Colleges and Teachers of Agriculture (NACTA) Journal*. 57: 84-86.
- Bessin, R. & J.J. Obrycki. May 2011. An IPM Scouting Guide for Natural Enemies of Vegetable Pests in Kentucky. ENT-67. 23 pp. May 2011.
- Seagraves, M.P., Y.J. Kajita, D.C. Weber, J.J. Obrycki, & J.G. Lundgren. 2011. Sugar feeding by coccinellids under field conditions: the effects of sugar sprays in soybean. *BioControl* 56:305-314.
- Moser, S.E., Y. Kajita, J.D. Harwood, & J.J. Obrycki. 2011. Evidence for utilization of Diptera in the diet of field-collected coccinellid larvae from an antibody-based detection system *Biological Control* 58: 248-254.
- Eskelson, M.J., E.G. Chapman, D.D. Archbold, J.J. Obrycki, & J.D. Harwood. 2011. Molecular identification of the biological control potential of carabid beetles on exotic and native slugs in a strawberry agroecosystems. *Biological Control* 56: 245-253.