

PROFESSIONAL APPOINTMENTS

- Adjunct Research Assistant Professor. University of Illinois at Chicago (UIC). AUG 2009-AUG 2010. Seed and Pollen Dispersal of a native and Invasive plants using mathematical models and genetic methods of parentage analysis.
- Research Associate. University of Illinois at Chicago (UIC). AUG 2007-AUG 2009. Seed and Pollen Dispersal of a native and Invasive plant species using mathematical models and genetic methods of paternity analysis.
- Consultant: University of Florida, USDA, ARS, FL. 2005 – 2007. Mathematical modeling and spatial distribution of subterranean termites, sugarcane weevil on sugarcane, and the Lobate Lac scale in Florida.
- Research Entomologist: USDA, ARS, SHRS, FL. 2002 -2005. Mathematical modeling and spatial distribution of Mediterranean fruit flies in Guatemala, of sugarcane weevil on sugarcane, and of the Lobate Lac scale in Florida.
- Postdoctoral Investigator: University of Florida, FL. 1999-2002. Mathematical modeling of subterranean termite tunneling behavior and ecology of their territorial expansion in South Florida.
- Statistical Consultant: Field Veterinary Medicine. N.Y. 1993-1999. Health evaluation of Macaws, Guanaco, Fur seals, Antelope, Elephant, Penguins, Buffalo, Duiker, Black spider monkey, and Caiman. WCS.
- Mathematical Modeling Consultant: N.Y. Medical College. Entomology Lab. NY. 1993-1994. Mathematical framework to detect factors producing cycles in population abundance on the deer tick, vector of Lyme disease.
- Research Assistant: University of Florida. Gainesville, FL. 1989-1991. Dispersal and Migratory behavior of thrips on the epidemiology of the tomato spotted wilt virus (TSWV).
- Laboratory Assistant
 - University of Florida. Gainesville, FL. 1989. Plant disease control.
 - University of Florida. Gainesville, FL. 1989. Identification of a potyvirus from passion fruit.
 - Division of Plant Industry. Gainesville, FL. 1988. Diagnosis of plant disease.
 - University of Florida. Gainesville, FL. 1987-1988. ELISA technique to detect a nuclear polyhedrosis virus vectored by the green lynx spider.
 - University of Florida. Gainesville, FL. 1987. Spatial distribution, and binomial sampling of the southern red mite in azalea.
- Field Assistant
 - University of Florida. FL. 1987. Improving biocontrol of water hyacinth using weevils.
 - N. Y. Zoological Society. Bronx Zoo. 1986. Behavior and nutrition of the Hoatzin in Venezuela.

RESEARCH ACTIVITIES

- Research Associate Entomologist. Chicago Botanic Garden. Glencoe, IL. NOV 2006-NOV 2009.
- Principal Investigator: Columbia University. New York. 1996-1998. Cockroaches as markers of asthma allergens in inner-city buildings in New York City.