



J. ISABEL LÓPEZ ARROYO, Ph.D.

Senior Researcher at the National Institute for Forestry, Agricultural, and Livestock Research [INIFAP]. National Research Leader in Plant Health.

Country of birth: Mexico.

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Work History

12/01/1985-Presently: National Institute for Forestry, Agricultural, and Livestock Research.
General Tera Experimental Station.

Education

Bachelor of Science: 1985. Chapingo Autonomous University. Major in Plant Parasitology.
Chapingo, Mexico.

Master of Science: 1991. Graduate School of Agricultural Sciences. Major in Entomology.
Montecillo, Mexico.

Doctor of Philosophy: 1999. Cornell University. Major in Entomology. Ithaca, N.Y., U.S.A.

Field of Research

Entomology, Pest Biological Control, Integrated Pest Management. Taxonomy of Chrysopidae [Neuroptera], Coccinellidae [Coleoptera], Cicadellidae [Hemiptera]. Citrus pests. Impacts of insecticides and natural enemies. Ecological methods.





Scientific production

- Production of 97 scientific publications, a book published by FAO, and 14 chapters in technical books. Registration of a patent (and copyright for a model). Co-supervision of 10 doctoral students, 6 master's students, and 23 undergraduate students.
- Publication of 6 proceedings and informative scientific books, 13 informative scientific chapters, 11 technical brochures, 28 informative scientific articles, and 333 conference presentations, as well as delivery of more than 190 lectures and training for hundreds of producers and technicians.

Achievements

- Development of 24 technologies for crop pest management.
- Development of strategies for managing the Asian citrus psyllid, vector of the bacteria associated with Huanglongbing.
- Leader of the national research project for managing Huanglongbing and *Diaphorina citri* (Hemiptera: Liviidae) in Mexico, 2008-2013.
- Pioneer in the study and use of *Ceraeochrysa* spp. (Neuroptera: Chrysopidae) predators.
- Pioneer in Mexico in the study of the vector of the pathogen associated with HLB; maintenance of lines of research on the problem from 2007 to the present.
- Development of the first biological control program for *Diaphorina citri* using *Tamarixia radiata* in Mexico.
- FAO consultant for HLB management in Latin America and the Caribbean, 2011, 2024, 2025.





- INIFAP representative on the IICA-PROCINORTE Plant Health Task Force, Canada-Mexico-USA, 2011-2024.
- Mexican representative in the research area of the USA-Mexico-Belize Tri-national Group for the management of Huanglongbing 2009-2019.
- President of the Mexican Society for Biological Control, 2014-2015.
- Member of the Technical Groups on Huanglongbing in the states of Hidalgo, Nuevo León, San Luis Potosí, and Tamaulipas. 2010-present.
- Member of the Technical Advisory Group of the Moscamed Program 2019-2022.

Awards

- Several awards as a student and professional.
- Winner of the 2020 National Plant Health Award for Scientific Work.
- Level I National Researcher at SECIHTI-SNII, 2000-present.

Academic profile

<https://scholar.google.com/citations?user=8jDHya8AAAAJ&hl=es>

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