

Curriculum Vitae Frank G. Zalom

Contact Information

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Education

Ph.D. University of California, Davis, 1978 (Entomology)
M.S. Arizona State University, 1974 (Zoology/Ecology)
B.S. Arizona State University, 1973 (Zoology/Ecology)

Professional Positions

2018-Present Distinguished Professor Emeritus; Recall Professor, UC Davis
2018-Present Editor-in-Chief, *Journal of Economic Entomology*, Entomological Society of America, Annapolis, MD
1980-2018 Distinguished Professor, Entomologist in the Agricultural Experiment Station, and Extension Entomologist, Dept. of Entomology, UC Davis
1986-2018 Professor, International Agricultural Development Graduate Group
2004-2013 USDA-NIFA Regional IPM Grants Program Manager
1986-2002 Director, UC Statewide IPM Program
1984-1986 Associate Director for Research, UC Statewide IPM Program
1980-1987 Extension IPM Coordinator – University of California Cooperative Extension
1979-1980 Assistant Professor, Dept. of Entomology, Fisheries, and Wildlife, University of Minnesota, St. Paul

Awards and Honors

2018 *Lifetime IPM Achievement Award and Lecture* - 9th International IPM Symposium
2017 *B.Y. Morrison Memorial Lecture and Medal* - USDA-ARS and American Society for Horticultural Science
2017 *Distinguished Scholarly Public Service Award* - UC Davis Academic Senate
2017 *Perry Lee Adkisson Distinguished Speaker Award* - Texas A&M University
2016 *Outstanding Team Distinguished Service Award (European Grapevine Moth Team)* - UC Agriculture and Natural Resources
2015 *Fellow* – Royal Entomological Society, London
2015 *President* – Entomological Foundation
2013-14 *Vice President (2013) and President (2014)* - Entomological Society of America
2013 *Outstanding Mentor Award* - UC Consortium for Women and Research
2011 *C.W. Woodworth Award* – Pacific Branch Entomological Society of America
2010 *Fellow* - American Association for the Advancement of Science (AAAS)
2010 *Excellence in IPM Award* - Entomological Society of America
2009 *International IPM Excellence Award*, 6th International IPM Symposium
2008 *Fellow* - Entomological Society of America
2008 *IPM Team Award* - Entomological Foundation

- 2008 *IPM Innovator Award* - California Department of Pesticide Regulation
- 2007 USDA-FAS/Ministry of Agriculture of the People's Republic of China – led a Scientific Exchange Team on 'IPM Opportunities for the U.S. and China'
- 2004 *James H. Meyer Award for Teaching, Research and Service* - UC Davis Academic Federation
- 2002 *Recognition Award in Entomology* - Entomological Society of America
- 2001-02 *President* - Entomological Society of America, Pacific Branch
- 2001 *Outstanding Cooperative Extension Specialist* - Friends of Agricultural Extension
- 2001 CA State Legislature Joint Resolution – '*Recognizing Zalom's Contributions to CA Agriculture*'
- 1999 *Outstanding Administration Award* - UC Cooperative Extension Assembly Council
- 1997 *Outstanding Research Award* - Almond Board of California
- 1995 *Governor's Exotic Pest Task Force* – appointed by California Governor Pete Wilson
- 1995 *Visiting Fellow* - Victoria (Australia) Dept. of Agric., Institute for Horticultural Research
- 1992 *Outstanding Achievement Award in Extension Entomology* - Entomological Society of America
- 1992-93 U.S. State Department - *Fulbright Senior Research Fellowship, Spain*
- 1991 *Creative Teamwork Award* - UC Cooperative Extension Assembly Council
- 1990 *Fellow* - California Academy of Sciences
- 1989 *Excellence in Entomology Award* - American Registry of Professional Entomologists
- 1989 *National Academy of Sciences Interacademy Research Exchange Award* - Institute of Experimental Phytopathology and Entomology, Bratislava, Slovakia, 3 months
- 1986 *Outstanding Specialist Research Award* - UC Cooperative Extension Assembly Council
- 1983-89 *Secretary/Treasurer* - Entomological Society of America, Pacific Branch

Recent and Notable Professional Service

National:

- 2018-Present Publications Council, Entomological Society of America
- 2018-Present Co-Organizer and Chair, Food Chain Entomology Section, 26th International Congress of Entomology, Helsinki, Finland
- 2018 Summit Co-Organizer, *Addressing the North American and Pacific Rim Invasive Insect and Arthropod Species Challenge*, Entomological Society of America and Entomological Society of Canada, Vancouver, BC
- 2018 Summit Co-Organizer, *A Grand Challenge Agenda for Entomology in South America*, Entomological Society of Brazil, Granado, Brazil
- 2018 Organizer, Congressional Information Session on Areawide IPM, Entomological Society of America, Washington, DC (hosted by US Rep. Tulsi Gabbard's office)
- 2015-19 Chair (2015) and Member, Entomological Society of America Science Policy Committee
- 2012-15 Governing Board, Entomological Society of America
- 2013-14 Chair, Scholarly Journals Committee, Council of Scientific Society Presidents
- 2012-13 Co-Chair, Research Subcommittee, APLU (Association of Public & Land –Grant Universities) Board on Agriculture Assembly Working Group on IPM
- 2009-16 Founding Member and member of Steering Committee, *IPM Voice*

- 2003-Present Co-Chair and ESCOP Technical Advisor, APLU, ESCOP/ECOP/USDA National IPM Committee.
- 2003-Present ESCOP Science and Technology Committee.
- 2006-12 Pest Information Platform for Education and Extension Steering Committee, USDA-NIFA.
- 2010-12 APLU Science Roadmap for Food and Agriculture; participated in document development
- 2009-11 Founding Member and Editorial Board Chair, Journal of Integrated Pest Management
- 2004-06 Pest Management Alternatives Program, Review Panel USDA-CSREES.
- 2002-03 Chair, Organizing Committee, 4th National IPM Symposium/ Workshop
- 1999-03 Co-Chair and ECOP Technical Advisor, APLU, ESCOP/ECOP/USDA National IPM Committee.
- 2000-03 Western Region Pest Management Center Steering Committee, USDA.
- 1997-98 CAST Task Force, Feasibility of Prescription Pesticide Use in the United States
- 1994 Co-Chair, Organizing Committee, 2nd National IPM Symposium/ Workshop
- 1991-92 Organizing Committee, USDA/EPA National IPM Forum
- 1991 Organizing Committee, USDA/EPA, Wingspread Conference on Pest Management
- 1987-88 Organizing Committee, 1st National IPM Symposium/ Workshop
- 1985-86 Co-Organizer, 1st National Extension Workshop on Electronic Technology

International:

- 2018-22 Co-Organizer and Section Leader for Food Chain Entomology, XXVI International Congress of Entomology, Helsinki, Finland
- 2018 Summit Co-Organizer, *Addressing the North American and Pacific Rim Invasive Insect and Arthropod Species Challenge*, Entomological Society of America and Entomological Society of Canada, Vancouver, BC
- 2018 Summit Co-Organizer, *A Grand Challenge Agenda for Entomology in South America*, Entomological Society of Brazil, Granado, Brazil
- 2016 Co-Chair, International Entomology Leadership Summit, Orlando, FL
- 2016 Co-Organizer, Summit on the *Aedes aegypti* Crisis in the Americas, Maceio, Brazil
- 2015 CONICYT-Chile, Sixth National Call for Research Centers in Priority Areas, Panel Member
- 2013, 2014 European Community. Food, Agriculture and Fisheries Biotechnology Competitive Grants Program, Panel Member
- 2011 OECD (Organization for Economic Co-operation and Development) Workshop on Integrated Pest Management, Berlin, Germany. One of 3 US representatives invited by the US Environmental Protection Agency.
- 2010 Lectures in Integrated Pest Management MS course at University of Lleida, Spain
- 2010-14 USAID, IPM Cooperative Support Project for Central Asia , co-investigator with colleagues from Michigan State University.
- 2005-09 USAID, IPM Cooperative Support Project for Central Asia , co-investigator with colleagues from Michigan State University.
- 2008 Zhejiang University, Hangzhou, China, led external review of the Institute of Agriculture and Environmental Sciences section Biological Disasters and Their Control

2008 Global IPM Forum, co-facilitator of IPM Extension/Outreach section area
 2001-05 USAID, Board of Directors, IPM Cooperative Research Support Project.
 1994-00 USAID, Pest Management Advisory Committee

State:

2018-20 CA Dept. of Food and Agriculture, *Economic Evaluation and Critical Uses of Nitroguanidine-substituted Neonicotinoid insecticides*, Co-investigator
 2011-13 CA Dept. of Food and Agriculture, 21st Century Vision Planning Committee
 2000-07 Sacramento River Watershed Group
 1994-02 CA Dept. of Pesticide Regulation, Pest Management Advisory Committee
 1997-2000 CA Dept. of Pesticide Regulation, Methyl Bromide Task Force
 1994-96 Governor's Exotic Pest Eradication Task Force
 1994-96 CA Dept. of Pesticide Regulation, California Environmental Technology Partnership Program Steering Committee

Number of PhDs Supervised:

Served as Major Professor for 14 PhD students (including one co-Advised at Michigan State University) and 7 MS (thesis option) students at UC Davis. He is currently supervising one MS student.

Current Grants and Contracts:

Name	SUPPORTING AGENCY	TITLE OF PROJECT	TOTAL \$ AMOUNT	DATES
Zalom, F. (Ahmad, A., lead PD)	USDA-NIFA-SCRI	Moving from crisis response to long-term integrated management of SWD: A keystone pest of fruit crops in the United States	\$225,527 (total grant \$5,235,601)	9/1/20 – 8/30/23
Zalom, F.	CDFA Office of Pesticide Policy and Analysis 20-0583-000-SA	Economic and pest management analyses of potential regulations in strawberry, tomato, and other fruiting crops	\$368,988	3/1/21-6/30/24
Zalom, F. (Ahmad Sial, A. lead, PD)	USDA-NIFA-OREI	Furthering the development and implementation of systems-based organic management strategies for spotted wing drosophila	\$95,000 (total grant \$2,000,000)	9/1/18-8/31/21
Zalom, F. (Walgenbach, J. lead, PD)	USDA-NIFA-SCRI 2017-0398-11	Management of Brown Marmorated Stink Bug in US Specialty Crops	\$627,015 (total grant \$9,164,908)	10/1/16-9/30/21
Zalom, F. (Burrack, H. lead, PD)	USDA-NIFA-SCRI 2016-0228-07	Sustainable Spotted Wing Drosophila Management for United States Fruit Crops	\$307,593 (total grant \$6,745,400)	9/1/15-8/31/21
Zalom, F., Sudarshana, M	CDFA Pierce's Disease/GWSS Program 18-0398-000-SA	Biology and Role of Treehoppers in Grapevine Red Blotch Disease	\$244,800	7/1/18-6/30/21

Chiu, J., Zalom, F.	CDFA- Specialty Crops Block Grant Program 18-0001-053- SC-0	Investigating and Improving Detection Methods for Spotted Wing Drosophila Insecticide Resistance in California	\$115,571 (total grant \$298,418)	11/1/18- 8/30/21
Zalom, F.	CDFA Office of Pesticide Policy and Analysis 18-0366-000- SA	Effects of Proposed Regulations by California Department of Pesticide Regulation on Insect Pest management Programs	\$197,812	7/1/18- 6/30/21
Zalom, F. (Co- PD) Olberholster, A. lead PD)	USDA-NIFA- SCRI	Ecobiology, Impact and Management of Grapevine Red Blotch Virus and Its Vector(s) in California and Oregon	\$376,650 (total grant \$3,637,424)	9/1/19- 8/30/23
Zalom, F.	CDFA- Specialty Crops Block Grant Program 19- 0001-0029-SF	Control of overwintering olive fruit fly through soil applied insect pathogenic fungi	\$142,645	11/1/19- 4/30/22
Chiu, J. Zalom, F. Godfrey, K.	USDA-NIFA- AFRI	Improving detection and surveillance methods for <i>Tuta absoluta</i> , a serious new threat for tomato industry	\$499,999	4/1/20- 3/31/24
Zalom, F., Fisher, J.	California Olive Committee	Control of overwintering olive fruit fly using entomopathogenic fungi (year 2)	\$17,196	1/1/20- 6/30/21
Zalom, F. Chiu, J.	California Strawberry Commission	Vinegar Flies (<i>Drosophila</i>) in California Strawberries; Species Identification and Insecticide Resistance Monitoring and Management in Spotted Wing <i>Drosophila</i> (year 3)	\$20,994 (total grant \$36,247)	2/1/21- 1/31/22
Grettenberger, I., Godfrey, K. Zalom, F. Chiu, J. Arno, J.	CDFA – Proactive Pest Management Program	A proactive approach to prepare for the invasion of <i>Tuta absoluta</i> into California	\$495,386	3/1/20- 2/28/23

Publications:

363 Journal publications and book chapters; Publication H-factor – 48; i10-index – 194;
>400 Technical proceedings, extension, trade journal and commodity group publications
2 US Patents

Journal articles and book chapters:

Vitanovic, E., J.M. Lopez, J. R. Aldrich, M. J. Spika, K. Boundy-Mills, and F.G. Zalom. 2020.
Yeasts associated with the olive fly (Diptera: Tephritidae: *Bactrocera oleae* (Rossi) lead to
new attractants. *Agronomy*. 10(10): 1501; [doi:10.3390/agronomy10101501](https://doi.org/10.3390/agronomy10101501)

Perini, C.R., C.A. Tabuloc, J.C. Chiu, F.G. Zalom, R.F. Stacke, O. Bernardi, D.R. Nelson, and
J.V. Guedes. 2020. Transcriptome analysis of *Chrysodeixis includens* larvae (Lepidoptera:

- Noctuidae) identifies putative molecular mechanisms for pyrethroid resistance. J. Econ. Entomol. oaa233, <https://doi.org/10.1093/jee/toaa233>
- Fisher, J., J.P. Rijal, and F.G. Zalom. 2020. Temperature and humidity interact to influence brown marmorated stink bug, *Halyomorpha halys* (Hemiptera: Pentatomidae), survival. Environ. Entomol. nvaal46, <https://doi.org/10.1093/ee/nvaa146>
- Bick, E.N., C.R. Preto, and F.G. Zalom. 2020. Timing the implementation of cultural practices for *Spissistilus festinus* (Hemiptera: Membracidae) in California vineyards using a stage-structured degree-day model. J. Econ. Entomol. 113(5): 2558-2562. <https://doi.org/10.1093/jee/toaa165>
- Disi, J.O., S. Van Timmeren, B. Gress, F. Zalom, R. Isaacs, and A. Sial. 2020. Insecticide residue longevity for on-site screening of *Drosophila suzukii* (Matsumura) resistance. Pest Manage. Sci. 76: 2918-2924. <https://doi.org/10.1002/ps.5880>
- Schöneberg, T., A. Arsenault-Benoit, C.M. Taylor, B.R. Butler, D.T. Dalton, V.M. Walton, P. Petran, M.A. Rogers, L.M. Diepenbrock, H.J. Burrack, H. Leach, S. Van Timmeren, P. Fanning, R. Isaacs, B.E. Gress, M.P. Bolda, F.G. Zalom, C.R. Roubos, R.K. Evans, A.A. Sial, and K.A. Hamby. 2020. Small fruit canopy density can affect suitability for *Drosophila suzukii*. Agric. Ecosyst. Environ. 294: 106860. <https://doi.org/10.1016/j.agee.2020.106860>
- Vitanović, E., J.R. Aldrich, K. Boundy-Mills, M. Čagalj, S.E. Ebeler, H. Burrack, and F.G. Zalom. 2020. Olive fruit fly, *Bactrocera oleae* (Diptera: Tephritidae), attraction to volatile compounds produced by host and insect-associated yeast strains. J. Econ. Entomol. 113(2): 752-759. <https://doi.org/10.1093/jee/toz341>
- Arno, J., R. Gabarra, P. Molina, K.E. Godfrey, and F.G. Zalom. 2019. *Tuta absoluta* (Lepidoptera: Gelechiidae) success on common solanaceous species from California, tomato production areas. Environ. Entomol. 48(6): 1394-1400. <https://doi.org/10.1093/ee/nvz109>
- Kaur, P. and F.G. Zalom. 2019. Consumption rate and predatory preference of the predaceous mite, *Neoseiulus californicus* to *Tetranychus urticae* and *Eotetranychus lewisi* on strawberry in California. Current Sci. 116(12): 2097-2101. <https://www.currentscience.ac.in/Volumes/116/12/2097.pdf>
- Tabuloc, C.A., K.M. Lewald, W.R. Conner, Y. Lee, E.K. Lee, A.B. Cain, K.E. Godfrey, J. Arnó, N. Agustí, C.R. Perini, J.V.C. Guedes, F.G. Zalom, and J.C. Chiu. 2019. Sequencing of *Tuta absoluta* genome to develop SNP genotyping assays for species identification. J. Pest Sci. 92: 1397-1407. <https://doi.org/10.1007/s10340-019-01116-6>
- Wiedenmann, R.N. F.G. Zalom, E.L. Cadwalader, M. Alleyne, and C.J. Stelzig. 2019. The Entomological Society of America and science policy engagement. Ann. Entomol. Soc. Amer. 112(2): 62-70. <https://doi.org/10.1093/aesa/say060>
- Vitanović, E., J.L. Aldrich, S.L. Winterton, K. Boundy-Mills, J.M. Lopez, and F.G. Zalom. 2019. Attraction of the green lacewing *Chrysoperla comanche* (Neuroptera: Chrysopidae) to yeast. J. Chem. Ecol. 45: 388-391. <https://doi.org/10.1007/s10886-019-01060-w>
- Preto, C.R., B.W. Bahder, E.N. Bick, M.R. Sudarshana, and F.G. Zalom. 2019. Seasonal dynamics of *Spissistilus festinus* (Say) (Hemiptera: Membracidae) in a Californian vineyard. J. Econ. Entomol. 112(3): 1138-1144. <https://doi.org/10.1093/jee/toz022>
- Gress, B.E. and F.G. Zalom. 2019. Identification and risk assessment of spinosad resistance in a California population of *Drosophila suzukii*. Pest Manag. Sci. 75: 1270-1276. <https://doi.org/10.1002/ps.5240>
- Tognon, R., J.R. Aldrich, J. Sant'Ana and F.G. Zalom. 2019. Conditioning native *Telenomus* and *Trissolcus* (Hymenoptera: Scelionidae) egg parasitoids to recognize the exotic brown

- marmorated stink bug (Heteroptera: Pentatomidae: *Halyomorpha halys*). Environ. Entomol. 48(1): 211-218. <https://doi.org/10.1093/ee/nvy186>
- Preto, C.R., D.E. Bellamy, S.S.Walse, F.G. Zalom. 2018. Predicting larval stage distribution of *Lobesia botrana* (Lepidoptera: Tortricidae) at three constant temperatures. J. Econ. Entomol. 112(2): 585-590. <https://doi.org/10.1093/jee/toy374>
- Preto, C.R., M.R. Sudarshana, M.L. Bollinger and F.G. Zalom. 2018. *Vitis vinifera* as a reproductive host of *Spissistilus festinus* (Say) (Hemiptera: Membracidae). J. Insect Sci. 18(6): 20, <https://doi.org/10.1093/jisesa/iey129>
- Preto, C.R., M.R. Sudarshana, and F.G. Zalom. 2018. Feeding and reproductive hosts of *Spissistilus festinus* (Hemiptera: Membracidae) found in Californian vineyards. J. Econ. Entomol. 111(6): 2531-2535. <https://doi.org/10.1093/jee/toy236>
- Dalton, D.T., R.J. Hilton, C. Kaiser, K.M. Daane, M.R. Sudarshana, J. Vo, F.G. Zalom, J.Z. Buser, and V.M. Walton. 2018. Spatial associations of vines infected with grapevine red blotch virus in Oregon vineyards. Plant Dis. 103: 1507-1514. <https://doi.org/10.1094/PDIS-08-18-1306-RE>
- Leppla, N.C., M.W. Johnson, J.L. Merritt, and F.G. Zalom. 2018. Applications and trends in commercial biological control for arthropod pests of tomato. Chapter 13, pp. 283-303, *In Sustainable Management of Arthropod Pests of Tomato*, W. Wakil, T.M. Perring, and G. Brust, eds. Elsevier Inc.
- Wunderlich, L., M.L. Bollinger, M. Shaffer, C.R. Preto, B. Bahder, F.G. Zalom, and M. Sudarshana. 2017. Investigating the spread and effect of Grapevine red blotch virus in California-grown Zinfandel. Proc. 20th Intl. Mtg. Viticul. GiESCO. 20: 215-219.
- Kaur, P. and F.G. Zalom. 2017. Counteraction effect between *Tetranychus urticae* Koch and *Eotetranychus lewisi* (McGregor) on strawberry. J. Entomol. Zool. Stud. 5(5): 653-656.
- Farnsworth, D., M. Bolda, R. Goodhue, J. Williams, and F. Zalom. 2017. Economic analysis of revenue losses and control costs associated with the spotted wing drosophila (*Drosophila suzukii*) in the California raspberry industry. Pest Manage. Sci. 73(6): 1083-1090. <http://onlinelibrary.wiley.com/doi/10.1002/ps.4497/epdf>
- Tognon, R., J.R. Aldrich, M.L. Buffington, E.J. Talmas, J. Sant'Ana, and F.G. Zalom. 2017. *Halyomorpha halys* (Heteroptera: Pentatomidae) egg surface chemicals inhibit North American *Telenomus* and *Trissolcus* (Hymenoptera: Scelionidae) parasitism. Biol. Contr. 114: 39-44.
- Zalom, F.G., E. Nunez, and R.A. Baldwin. 2017. Almond pests, Chapter 16, pp. 375-406. *In Almonds: Botany, Production and Uses*, R. Socias and T. Gradziel, eds. CABI Press.
- Tognon, R., J. Sant'Ana, Q.H. Zhang, J.G. Millar, J.R. Aldrich, and F.G. Zalom. 2016. Volatiles mediating parasitism of *Euschistus conspersus* and *Halyomorpha halys* eggs by *Telenomus podisi* and *Trissolcus erugatus*. J. Chem. Ecol. 42:1016 <http://link.springer.com/article/10.1007/s10886-016-0754-3>
- Bahder, B.W., F.G. Zalom, and M.R. Sudarshana. 2016. Phylogeny of geminivirus coat protein sequences and digital PCR aid in identifying *Spissistilus festinus* (Say) as a vector of Grapevine red blotch-associated virus. Phytopathology 100(10): 1223-1230.
- Bahder, B.W., F.G. Zalom, and M.R. Sudarshana. 2016. An evaluation of flora adjacent to wine grape vineyards for the presence of alternative host plants of Grapevine red blotch-associated virus. Plant Dis. 100: 1571-1574.
- Markle, J., F. Niederholzer, and F. Zalom. 2016. Evaluation of spray application methods for navel orangeworm control in almonds. Pest Manage. Sci. 72(12): 2339-2346.

- Maredia, K., G. Bird, D. Landis, F. Zalom, J. Landis, M. Kennelly, M. El-Bouhssini, N. Saidov, and M. Aitmatov. 2016. Ecologically-based Integrated Pest Management Programs for Food Security Crops in Central Asia. Chapter 13, pp. 154-172, *In: Environmental Crises in Central Asia: From Steppes to Seas, from Deserts to Glaciers*, E. Freeman and M. Neuzil, eds. Routledge Books, London. 196 pp.
- Scheidler, N.H., Liu, C., Hamby, K.A., Zalom, F.G., and Syed, Z. 2015. Volatile codes: Correlation of olfactory signals and reception in *Drosophila*-yeast chemical communication. *Nature Sci. Repts.* 5: 14059. <http://doi.org/10.1038/srep14059>
- Hamby, K.A., J.D. Henderson, H.B. Scher, and F.G. Zalom. 2015. Organophosphate insecticide activity reduced when mixed with copper(II) hydroxide in peach dormant sprays. *J. Entomol.Sci.* 50(4): 284-294.
- Bahder, B.W., Barrantes, L.D., Hamby, K.A., Zalom, F.G. and Walsh, D.B. 2015. Microsatellite variation of two Pacific coast *Drosophila suzukii* (Diptera: Drosophilidae) populations. *Environ. Entomol.* 44(5): XX; DOI: <http://dx.doi.org/10.1093/ee/nvv117>
- Bahder, B.W. M.L. Bollinger, M.R. Sudarshana, and F.G. Zalom, 2015. Preparation of mealybugs (Hemiptera: Pseudococcidae) for genetic characterization and morphological examination. *J. Insect Sci.* 15(1); 104: DOI: <http://dx.doi.org/10.1093/jisesa/iev086>
- Loeb, G., V. Walton, and F. Zalom. 2015. Mites, pp. 149-156, *In Compendium of grape diseases, disorders and pests*, 2nd edition. Wilcox, W., Gubler, W.D., and Uyemoto, J.K. APS Press, St. Paul, MN.
- Murphy, K.A., T.R. Unruh, L.M. Zhou, F.G. Zalom, P.W. Shearer, E.H. Beers, V.M. Walton, B. Miller, and J.C. Chiu. 2015. Using comparative genomics to develop a molecular diagnostic for the identification of an emerging pest *Drosophila suzukii*. *Bull. Entomol. Res.* 105(3):364-72. doi: 10.1017/S0007485315000218
- Hamby, K.A., N.L. Nicola, F.J.A. Niederholzer, and F. G. Zalom. 2015. Timing spring insecticide applications to target both *Amyelois transitella* and *Anarsia lineatella* in almond orchards. *J. Econ. Entomol.* 108: 683-693. doi: 10.1093/jee/tov021
- Zhan, Y., S. Fan, M. Zhang, and F. Zalom. 2015. Modeling the effect of pyrethroid use intensity on mite population density for walnuts. *Pest Manage. Sci.* 71: 159-164. DOI: 10.1002/ps.3799
- Goodell, P.B., F.G. Zalom, J.F. Strand, C.A. Wilen, and K. Windbiel-Rojas. 2014. Over 35 years, integrated pest management has reduced pest risks and pesticide use. *Calif. Agric.* 68(4): 153-157.
- Lin, Q.-C., Y.-F. Zhai, C.-G. Zhou, L.-L. Li, Q.-Y. Zhuang, X.-Y. Zhang, F.G. Zalom, and Y. Yu. 2014. Behavioral rhythms of *Drosophila suzukii* and *Drosophila melanogaster*. *Florida Entomol.* 97:1424-1433. <https://doi.org/10.1653/024.097.0417>
- Philips, C.R., Kuhar, T.P., Hoffmann, M.P., Zalom, F.G., Hallberg, R., Herbert, D.A., Gonzales, C., Elliott, S. 2014. Integrated Pest Management. I *In: Encyclopedia of Life Sciences*. John Wiley & Sons, Ltd: Chichester. DOI: 10.1002/9780470015902.a0003248.pub2
- Harris, D.W., K.A. Hamby, H.E. Wilson, and F.G. Zalom. 2014. Seasonal monitoring of *Drosophila suzukii* (Diptera: Drosophilidae) in a mixed production system. *J. Asia-Pacific Entomol.* 17: 857-864.
- Sagri, E., M. Reczko, M.E. Gregoriou, K.T. Tsoumani, N.E. Zygouridis, K.D. Salpea, F.G. Zalom, J. Ragoussis and K.D. Mathiopoulos, 2014. Olive fly transcriptomics analysis implicates energy metabolism genes in spinosad resistance. *BMC Genomics.* 15: 714. doi: 10.1186/1471-2164-15-714.

- Hamby, K.A., M.P. Bolda, M.E. Sheehan, and F.G. Zalom. 2014. Seasonal monitoring for *Drosophila suzukii* (Diptera: Drosophilidae) in California commercial raspberries. *Environ. Entomol.* 43: 1008-1018.
- Zalom, F.G., and N.L. Nicola. 2014. Controlling the first generation of navel orangeworm in almonds. *Acta Hort.* 1028:185-200.
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