

---

**Review Papers**

---

- Cuervo-Parra, Jaime Alioscha, Victor Hugo Pérez-España, Pablo Antonio López Pérez, Mario Alberto Morales-Ovando, Oscar Arce-Cervantes, José Esteban Aparicio-Burgos, and Teresa Romero-Cortes — *Scyphophorus acupunctatus* (Coleoptera: Dryophthoridae): a weevil threatening the production of agave in Mexico ..... 1-9

---

**Research Papers**

---

- Barbosa, Breno Gomes, Renato Almeida Sarmento, Poliana Silvestre Pereira, Cleovan Barbosa Pinto, Carlos Henrique de Oliveira Lima, Tarcísio Visintin da Silva Galdino, Abraão Almeida Santos, and Marcelo Coutinho Picanço — Factors affecting thrips (Thysanoptera: Thripidae) population densities in watermelon crops ..... 10-15
- Macêdo, Ruan Victor Borges Tavares de, Renato Almeida Sarmento, Poliana Silvestre Pereira, Carlos Henrique Oliveira Lima, Tânia Lígia Lopes Barbosa de Deus, Arthur Vieira Ribeiro, and Marcelo Coutinho Picanço — Sampling plan for *Bemisia tabaci* (Hemiptera: Aleyrodidae) in melon crops ..... 16-23
- Delgado-Ramírez, Carmen Sanjuana, Manuel Darío Salas-Araiza, Oscar Alejandro Martínez-Jaime, Rafael Guzmán-Mendoza, and Sandra Flores-Mejía — Predation capability of *Hippodamia convergens* (Coleoptera: Coccinellidae) and *Chrysoperla carnea* (Neuroptera: Chrysopidae) feeding of *Melanaphis sacchari* (Hemiptera: Aphididae) ..... 24-28
- Sousa, Kátia Kaelly A., Nadja Nara P. Silva, Ranyse B. Querino, Paulo Henrique S. Silva, and Jocelia Grazia — Diversity, seasonality, and egg parasitism of hemipteran (Coreidae and Pentatomidae) from a cowpea crop in northeastern Brazil ..... 29-35
- Tian, Jiaxin, Guofeng Mao, Baoting Yu, Hatem Fouad, Chengpan Wang, Hassan Ga'al, and Jianchu Mo — Effect of common ornamental plants on the survivorship and fecundity of the *Aedes albopictus* (Diptera: Culicidae) ..... 36-42
- Linfa Quan, Haiming Xu, and Bingxu Chen — Effects of temperature on the development and reproduction of *Oligonychus litchii* Lo and Ho (Acari: Tetranychidae) when reared on litchee ..... 43-48
- Vankosky, Meghan A., and Mark S. Hoddle — Two parasitoids of *Diaphorina citri* (Hemiptera: Liviidae) have shared, stage-specific preference for host nymphs that does not impact pest mortality rates ..... 49-58
- Costa, Victor Hugo Duarte da, Marcus Alvarenga Soares, Francisco Andrés Rodriguez Dimate, Veríssimo Gibran Mendes de Sá, José Cola Zanuncio, and Fernando Hercos Valicente — Genetic identification and biological characterization of Baculovirus isolated from *Helicoverpa armigera* (Lepidoptera: Noctuidae) in Brazil ..... 59-64
- Roh, Seung Jin, and Bong-Kyu Byun — The Meessiidae (Lepidoptera: Tineoidea) of Korea ..... 65-75
- Pires, Evaldo Martins, Roberta Martins Nogueira, Leda Rita D'Antonino Faroni, Marcus Alvarenga Soares, and Marco Antônio Oliveira — Biological and reproductive parameters of *Tribolium castaneum* in Brazil nut ..... 76-78
- Xia, Yulu, Jing-hao Huang, Fan Jiang, Jia-yao He, Xu-bin Pan, Xiong-jie Lin, Han-qing Hu, Guo-cheng Fan, Shui-fang Zhu, Bo-hua Hou, Ge-cheng Ouyang — The effectiveness of fruit bagging and culling for risk mitigation of fruit flies affecting citrus in China: a preliminary report ..... 79-84
- Holguín-Meléndez, Francisco, Rebeca González-Gómez, Javier Valle-Mora, Francisco Infante, and Graciela Huerta-Palacios — The biology of *Antiteuchus innocens* (Hemiptera: Pentatomidae) under field conditions ..... 85-89
- Pannuti, Luiz E. R., Edson L. L. Baldin, Silvana V. Paula-Moraes, Thomas E. Hunt, Vinícius F. Canassa, José P. F. Bentivenha, and Ivana F. da Silva — External marking and behavior of early instar *Helicoverpa armigera* (Lepidoptera: Noctuidae) on soybean ..... 90-95
- Hernández-Juárez, Agustín, Luis A. Aguirre, Ernesto Cerna, Mariano Flores, Gustavo A. Frías, Jerónimo Landeros, and Yisa M. Ochoa — Abundance of non-target predators in genetically modified corn ..... 96-100

|   |         |
|---|---------|
| Curkovic, Tomislav, Ítalo Chiffelle, Jonathan Villar, Jaime E. Araya, and Gonzalo Silva — An agricultural detergent as co-adjuvant for entomopathogenic fungi and chlorpyrifos to control <i>Pseudococcus viburni</i> (Hemiptera: Pseudococcidae) .....   | 101-106 |
| Kelley, Alicia J., and Kirsten S. Pelz-Stelinski — Effect of thermotherapy on the acquisition of <i>Candidatus Liberibacter asiaticus</i> by the Asian citrus psyllid (Hemiptera: Liviidae) .....   | 107-112 |
| Oliveira, Isaias de, Manoel A. Uchoa, Veruska L. Pereira, José Nicácio, and Odival Faccenda — <i>Anastrepha</i> species (Diptera: Tephritidae): patterns of spatial distribution, abundance, and relationship with weather in three environments of midwestern Brazil .....   | 113-120 |
| Hernández-Cruz, Julián, Héctor Miguel Guzmán-Vásquez, Teodulfo Aquino-Bolaños, Elia Jiron-Pablo, and Carlos Alejandro Granados-Echegoyen — <i>Phyllophaga (Chirodines) moroni</i> (Coleoptera: Scarabaeidae: Melolonthinae), a new species from Oaxaca, Mexico .....  | 121-124 |
| Wang, Xiaoxue, Zhihong Li, Rong Zhang, Jia He, Zihua Zhao, Shuhua Wei, and Lijun Liu — <i>Wolbachia</i> infection of <i>Neoceratitidis asiatica</i> (Diptera: Tephritidae) .....  | 125-129 |
| Barbosa, Fernando Mendes, Jonas Torres Lima, Márcio Adriano Santos, and Lucio Antonio de Oliveira Campos — Effects of irrigation method on pollination and pollinators (Hymenoptera: Apoidea) in an open-field tomato crop .....  | 130-133 |
| McCravy, Kenneth W., Ray K. Geroff, and Jason Gibbs — Bee (Hymenoptera: Apoidea: Anthophila) functional traits in relation to sampling methodology in a restored tallgrass prairie .....  | 134-140 |
| Pinzón Florian, O.P., Rudolf H. Scheffrahn, and Tiago F. Carrijo — <i>Aparatermes thornatus</i> (Isoptera: Termitidae: Apicotermiteinae), a new species of soldierless termite from northern Amazonia .....   | 141-146 |
| Nisip, Andrew J., Gavin J. Svenson, Brian Fridie, Jr., and Andrea Lucky — A newly established non-native praying mantis species, <i>Liturgusa maya</i> (Mantodea: Liturgusidae) in Florida, USA, and a key to Florida mantis genera .....   | 147-153 |
| Ray, Haleigh A., Charles J. Stuhl, Michael E. Kane, James D. Ellis, Jaret C. Daniels, and Jennifer L. Gillett-Kaufman — Aspects of the pollination biology of <i>Encyclia tampensis</i> , the commercially exploited butterfly orchid, and <i>Prosthechea cochleata</i> , the endangered clamshell orchid, in south Florida ..... | 154-160 |
| Inskeep, Jess R., Todd E. Shelly, Roger I. Vargas, and Helen Spafford — Zingerone feeding affects mate choice but not fecundity or fertility in the melon fly, <i>Zeugodacus cucurbitae</i> (Diptera: Tephritidae) .....  | 161-167 |
| Johnston, Nicholas, Lukasz L. Stelinski, and Philip Stansly — Dispersal patterns of <i>Diaphorina citri</i> (Kuwayama) (Hemiptera: Liviidae) as influenced by citrus grove management and abiotic factors .....   | 168-173 |
| Limaje, Ankur, J. Scott Armstrong, Sulochana Paudyal, and Wyatt Hoback — LED grow lights alter sorghum growth and sugarcane aphid (Hemiptera: Aphididae) plant interactions in a controlled environment .....   | 174-180 |
| Wang, Zinan, Yan Chen, and Rodrigo Diaz — Temperature-dependent development and host range of crapemyrtle bark scale, <i>Acanthococcus lagerstroemiae</i> (Kuwana) (Hemiptera: Eriococcidae) .....  | 181-186 |
| Dawadi, Sujan, Jason B. Oliver, Paul A. O'Neal, and Karla M. Addesso — Impact of cover cropping on non-target arthropod pests of red maple trees in nursery production .....  | 187-193 |
| Lama, Luna, Blake E. Wilson, Jeffrey A. Davis, and Thomas E. Reagan — Influence of sorghum cultivar, phenological stage, and fertilization on development and reproduction of <i>Melanaphis sacchari</i> (Hemiptera: Aphididae) .....   | 194-201 |
| Sharma, Shweta, Eileen A. Buss, Gregory S. Hodges, and David H. Oi — Effect of soil treatments for cottony cushion scale (Hemiptera: Monophlebidae) control on <i>Nylanderia fulva</i> (Hymenoptera: Formicidae) survival and trailing activity .....   | 202-206 |
| Luz, Fernando Albuquerque, and Milton de Souza Mendonça Júnior — Guilds in insect galls: who is who .....   | 207-210 |
| Chapin, Kenneth James, and Kaitlyn Hanna Smith — Vertically stratified arthropod diversity in a Florida upland hardwood forest .....  | 211-215 |
| Awad, Jessica, Amanda Hodges, Stephen Hight, Mrittunjai Srivastava, Amy Howe, and Eric Rohrig — Laboratory rearing and sex ratio of <i>Apanteles opuntiarum</i> (Hymenoptera: Braconidae), a potential biocontrol agent of <i>Cactoblastis cactorum</i> (Lepidoptera: Pyralidae) .....  | 216-221 |
| Tillman, P. Glynn, Ted E. Cottrell, and G. David Buntin — Potential of <i>Melia azedarach</i> L. (Meliaceae) as a host plant for <i>Halyomorpha halys</i> (Stål) (Hemiptera: Pentatomidae) .....  | 222-226 |
| Tillman, P. Glynn — Density and egg parasitism of stink bugs (Hemiptera: Pentatomidae) in mimosa .....  | 227-230 |

## Scientific Notes

---

|   |         |
|---|---------|
| Fernandes, Maria Elisa de Sena, José Cola Zanuncio, Angelica Plata-Rueda, Walyson Silva Soares, Rafael Ribeiro Coelho, and Flávio Lemes Fernandes — Quantification of prey consumption by the predators <i>Chauliognathus flavipes</i> (Coleoptera: Cantharidae), <i>Cycloneda sanguinea</i> (Coleoptera: Coccinellidae), and <i>Orius insidiosus</i> (Heteroptera: Anthocoridae) ..... | 231-233 |
| Soares, Walyson Silva, Rosa Angelica Plata-Rueda, Maria Elisa de Sena Fernandes, Flávio Lemes Fernandes, Flávia Maria Alves, and Ítalo Wíllian da Silva — First record of <i>Liriomyza huidobrensis</i> (Diptera: Agromyzidae) disseminating <i>Alternaria solani</i> (Pleosporaceae) in potato crops in Brazil .....   | 234-235 |
| Hernández-Cruz, Julián, Héctor Miguel Guzmán-Vásquez, Rafael Pérez-Pacheco, and Carlos Alejandro Granados-Echegoyen — A new host record for <i>Euphoria</i> spp. Burmeister (Coleoptera: Melolonthidae: Cetoniinae) in Oaxaca, Mexico: <i>Tagetes patula</i> (Asteraceae) .....   | 236-239 |
| Landi, Lucas, Celina Laura Braccini, Milos Knížek, Vanina Antonella Pereyra, and Adriana Elena Marvaldi — A newly detected exotic ambrosia beetle in Argentina: <i>Euwallacea interjectus</i> (Coleoptera: Curculionidae: Scolytinae) ...   | 240-242 |
| Francesc, Joseph A., Everett G. Booth, Vanessa M. Lopez, and Benjamin Sorensen — Alternative survey methods for the emerald ash borer .....   | 243-245 |
| Razmjou, Jabraeil, Christopher R. Kerr, and Norman C. Leppla — Reduced parasitism of <i>Diaphorina citri</i> (Hemiptera: Liviidae) by <i>Tamarixia radiata</i> (Hymenoptera: Encyrtidae) at increasing parasitoid:host ratios .....   | 246-248 |
| Souza, Gabriely Koerich, Tiago Georg Pikart, Pedro Carlos Strikis, Viviane Lunelli de Oliveira, Mariana Bender, Pedro Boff, and Mari Inês Carissimi Boff — Lance flies (Diptera: Lonchaeidae) associated with <i>Acca sellowiana</i> (Myrtaceae) in Lages, Santa Catarina, Brazil .....   | 249-250 |
| Lachaud, Jean-Paul, Jonathan Pérez-Flores, and Gabriela Pérez-Lachaud — Opportunistic predation by leaf-cutting ants (Hymenoptera: Formicidae) on a wounded Baird's tapir (Mammalia: Perissodactyla: Tapiridae) in Mexico .....   | 251-253 |
| Corrêa, Carlos A., Iara S. Sampaio, José C. Zanuncio, Letizia J. Migliore, Gianfranco Curletti, and Sérvio P. Ribeiro — <i>Agrilozodes suarezi</i> (Coleoptera: Buprestidae) as secondary colonizer of a <i>Sclerolobium</i> sp. branch girdled by <i>Oncideres saga</i> (Coleoptera: Cerambycidae). ....   | 254-256 |
| Kleiner Kylee N., Paul Hanson, and John Pickering — First record of Vanhorniidae (Hymenoptera: Proctotrupidae) from Florida .....   | 257-258 |
| Henson, Kevin A., Joshua W. Campbell, and David A. Kaplan — Range extension of <i>Megachile lanata</i> (Hymenoptera: Megachilidae), a non-native sunn hemp pollinator, in Florida.....  | 259-261 |
| Brügger, Bruno Pandelo, Antonio José Vinha Zanuncio, Carlos Frederico Wilcken, Marcus Alvarenga Soares, and José Cola Zanuncio — <i>Protopolybia exigua</i> (Hymenoptera: Vespidae) nesting on <i>Citrus grandis</i> (Rutaceae) .....   | 262-263 |
| Brügger, Bruno Pandelo, Ricardo Alcántara-de la Cruz, Amélia Guimarães de Carvalho, Marcus Alvarenga Soares, Fábio Prezoto, and José Cola Zanuncio — <i>Polybia fastiosuscula</i> (Hymenoptera: Vespidae) foraging activity patterns ..   | 264-265 |
| Lemes, Pedro Guilherme, Antonio José Vinha Zanuncio, Leandro Silva de Oliveira, Mateus Felipe de Matos, Germano Leão Demolin Leite, Marcus Alvarenga Soares, José Cola Zanuncio, and Sebastião Lourenço de Assis Júnior — <i>Hypsypila grandella</i> (Lepidoptera: Pyralidae) boring <i>Khaya ivorensis</i> (Meliaceae) fruits and seeds in Brazil: first report. ....                  | 266-269 |
| Souza, Edmilson Amaral, Alessandra Santana Batista Toni, Luciane Cristina de Oliveira Lisboa, and José Eduardo Serrão — The spermathecal duct of earwig <i>Doru luteipes</i> (Dermaptera: Forficulidae) contributes to spermatozoa survival .....   | 270-274 |
| Vieira, Estela Rosana Durães, Sebastião Lourenço de Assis Júnior, Marcus Alvarenga Soares, Gleica Cândido Santos, Gabriel Alves Barroso, Thiago de Assis Tavares, and Luciana Monteiro Aguiar — First record of <i>Membracis juncta</i> (Walker) (Hemiptera: Membracidae) in <i>Tibouchina candolleana</i> (Mart. ex DC.) (Melastomataceae) .....                                       | 275-277 |
| Shelly, Todd — Ability of sterile males to inhibit female remating in the melon fly <i>Zeugodacus cucurbitae</i> (Diptera: Tephritidae) .....   | 278-280 |

|   |         |
|---|---------|
| Cottrell, Ted, and P. Glynn Tillman — A physical barrier reduces capture of <i>Euschistus servus</i> (Hemiptera: Pentatomidae) in pheromone-baited traps near peach trees .....                       | 281-283 |
| Oi, David, Steven Valles, Sanford Porter, Christopher Cavanaugh, Gregory White, and Jennifer Henke — Introduction of fire ant biological control agents into the Coachella Valley of California ..... | 284-286 |
| Arslangündogdu, Zeynel, and Erdem Hızal — <i>Anoplophora glabripennis</i> (Coleoptera: Cerambycidae) mistakenly reported in Turkey .....  | 287-289 |

## Miscellaneous

---

|  |     |
|--|-----|
| List of Corporate and Sustaining Members ..... | 290 |
|--|-----|