

---

**Research Papers**

---

Zhong, Baozhu, Chaojun Lv, and Weiquan Qin—Effectiveness of the botanical insecticide azadirachtin against <i>Tirathaba rufivena</i> (Lepidoptera: Pyralidae) .....	215–218
Koi, Sandy and Jaret Daniels—Life history variations and seasonal polyphenism in <i>Eumaeus atala</i> (Lepidoptera: Lycaenidae) .....	219–229
Rana, Seema and Subbarayalu Mohankumar—Comparison of sensory structures present on larval antennae and mouthparts of lepidopteran crop pests .....	230–250
Owens, David, Ron Cherry, Michael Karounos, and Gregg S. Nuessly—Evaluation of lures for monitoring silk flies (Diptera: Ulidiidae) in sweet corn .....	251–256
Hulcr, Jiri, Adam Black, Kirsten Prior, Chi-Yu Chen, and Hou-Feng Li—Studies of ambrosia beetles (Coleoptera: Curculionidae) in their native ranges help predict invasion impact .....	257–261
Rugman-Jones, Paul F., Saida Kharrat, Mark S. Hoddle, and Richard Stouthamer—The invasion of Tunisia by <i>Rhynchophorus ferrugineus</i> (Coleoptera: Curculionidae): crossing an ocean or crossing a sea? .....	262–265
Stewart, Stephanie, Gary Fritz, Ann Fritz, and Anthony J. Deets—Reproductive partitioning in <i>Vespa squamosa</i> (Hymenoptera: Vespidae) .....	266–269
Shi, Yan, Lei Wang, Wei Dou, Hong-Bo Jiang, Dan-Dan Wei, Dong Wei, Jin-Zhi Niu, and Jin-Jun Wang—Determination of instars of <i>Bactrocera dorsalis</i> (Diptera: Tephritidae) .....	270–275
Prathapan, Kaniyarkkal D.—Identity of the citrus leaf mining flea beetle in northeast India and nomenclatural changes in <i>Amphimela</i> (Coleoptera: Chrysomelidae: Galerucinae: Alticini) .....	276–280
Wetterer, James K. and Mostafa R. Sharaf—Worldwide distribution of <i>Syllophopsis sechellensis</i> (Hymenoptera: Formicidae) .....	281–285
Kadej, Marcin, Joanna Guziak, and Dawid Marczak—A detailed updated description of the morphology of the larva of <i>Reesa vespulae</i> (Coleoptera: Dermestidae: Megatominae: Megatomini) .....	286–291
Klingeman, William E., Nadeer N. Youssef, Jason B. Oliver, and Joshua P. Basham—The longhorned beetles (Coleoptera: Cerambycidae) of Tennessee: distribution of species, seasonal adult activity, and new state records .....	292–302
Mattison, Elizabeth, Ted D. Center, Michael J. Grodowitz, and Phillip W. Tipping—Morphology of the female reproductive system and physiological age-grading of <i>Megamelus scutellaris</i> (Hemiptera: Delphacidae), a biological control agent of water hyacinth .....	303–309
Palacios-Vargas, José G., Blanca E. Mejia-Recamier, and M. Magdalena Vázquez—Two new species of <i>Americananura</i> (Collembola: Neanuridae) from Belize, Central America .....	310–315
Adaime, Ricardo, Maria do Socorro Miranda de Sousa, Cristiane Ramos de Jesus-Barros, Ezequiel da Glória de Deus, José Francisco Pereira, Pedro Carlos Strikis, and Miguel Francisco de Souza-Filho—Frugivorous flies (Diptera: Tephritidae, Lonchaeidae), their host plants, and associated parasitoids in the extreme north of Amapá State, Brazil .....	316–324
Childers, Carl C., Michael E. Rogers, Timothy A. Ebert, and Diann S. Achor— <i>Diptilomiopus floridanus</i> (Acari: Eriophyoidea: Diptilomiopidae): its distribution and relative abundance with other eriophyoid species on dooryard, varietal block, and commercial citrus in Florida .....	325–333
Almeida, André Cirilo de Sousa, Cinthia Luiza Teixeira Silva, Lígia Alves de Paiva, Márcio da Silva Araujo, and Flávio Gonçalves de Jesus—Antibiosis in soybean cultivars to <i>Heliothis virescens</i> (Lepidoptera: Noctuidae) .....	334–338

Martínez, Ana M., Aldo J. Aguado-Pedraza, Elisa Viñuela, Christian L. Rodríguez-Enríquez, Philippe Lobit, Benjamín Gómez, and Samuel Pineda—Effects of ethanolic extracts of <i>Argemone ochroleuca</i> (Papaveraceae) on the food consumption and development of <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) .....	339–345
Chen, Yue, Yucui Li, Ziren Su, and Jidong Xian—Insecticidal and repellent action of pogostone against <i>Myzus persicae</i> (Hemiptera: Aphididae) .....	346–349
Alim, Md. Abdul, Janghoon Song, Un Taek Lim, Jang Jeon Choi, and Md. Alamgir Hossain—Bioassay of plant extracts against <i>Aleurodicus dispersus</i> (Hemiptera: Aleyrodidae) .....	350–357
Flores, Salvador, Enoc Gómez, Sergio Campos, Fredy Gálvez, Jorge Toledo, Pablo Lledo, Rui Pereira, and Pablo Montoya—Evaluation of mass trapping and bait stations to control <i>Anastrepha</i> (Diptera: Tephritidae) fruit flies in mango orchards of Chiapas, Mexico .....	358–365
Adams, Benjamin J., Xuan Chen, and Linda M. Hooper-Bùi—A comparison of two insect collection techniques in oiled and non-oiled salt marshes in Louisiana .....	366–371
Barbosa, Leonardo Rodrigues, Ângelo Peruffo Rodrigues, Lorena da Silva Soler, Bianca Vique Fernandes, Bárbara Monteiro de Castro e Castro, Carlos Frederico Wilcken, and José Cola Zanuncio—Establishment in the field of <i>Cleruchoides noackae</i> (Hymenoptera: Mymaridae), an exotic egg parasitoid of <i>Thaumastocoris peregrinus</i> (Hemiptera: Thaumastocoridae) .....	372–374
Borges Filho, Raul da Cunha, Dori E. Nava, Dirceu Pratissoli, Ricardo A. Polanczyk, Ricardo B. Marangon, and Marta Loiácono—Biology of <i>Telenomus pachycoris</i> (Hymenoptera: Scelionidae), a parasitoid of eggs of <i>Pachycoris torridus</i> (Hemiptera: Scutelleridae): the effects of egg age, exposure time, and temperature .....	375–379
Masson, Marcus V., Wagner de S. Tavares, Deivide W. V. Pereira, William C. Matos, Fabricio de A. Lopes, Pedro J. Ferreira-Filho, Carlos F. Wilcken, and José C. Zanuncio—Management of <i>Hylesia nanus</i> (Lepidoptera: Saturniidae) on <i>Eucalyptus</i> (Myrtaceae) plantations .....	380–384
Gazit, Yoav and Ruti Akiva—Toxicity of malathion and spinosad to <i>Bactrocera zonata</i> and <i>Ceratitis capitata</i> (Diptera: Tephritidae) .....	385–389
Mertilus, Fractyl, Jorge Peña, Dennis Ring, and Timothy Schowalter—Inexpensive artisanal traps for mass trapping fruit flies (Diptera: Tephritidae) in Haiti .....	390–395
Santa Anna-Aguayo, Ariadna I., Colleen M. Schaffner, Jordan Golubov, Jorge López-Portillo, José García-Franco, Grecia Herrera-Meza, Armando J. Martínez—Behavioral repertoires and interactions between <i>Apis mellifera</i> (Hymenoptera: Apidae) and the native bee <i>Lithurgus littoralis</i> (Hymenoptera: Megachilidae) in flowers of <i>Opuntia huajuapensis</i> (Cactaceae) in the Tehuacán desert .....	396–402
Lemos, Lailson do Nascimento, Ezequiel da Glória de Deus, Danilo Baia do Nascimento, Cristiane Ramos de Jesus-Barros, Salustiano Vilar da Costa-Neto, and Ricardo Adaime—Species of <i>Anastrepha</i> (Diptera: Tephritidae), their host plants, and parasitoids in small fruit production areas in the state of Amapá, Brazil .....	403–410
Song, Beizhou, Yingping Liang, Sizhou Liu, Linfeng Zhang, Guangbo Tang, Teng Ma, and Yuncong Yao—Behavioral responses of <i>Aphis citricola</i> (Hemiptera: Aphididae) and its natural enemy <i>Harmonia axyridis</i> (Coleoptera: Coccinellidae) to non-host plant volatiles .....	411–421
Owens, David, Nicholas Larsen, and Gregg S. Nuessly—Post-harvest crop destruction effects on picture-winged fly (Diptera: Ulidiidae) emergence .....	422–425
Campagnani, Michelle Oliveira, Wellington Garcia Campos, Soraya Sander Amorim, Luiz Henrique Rosa, Alexander Machado Auad, Mauroni Alves Canguçu, and Rogério Martins Maurício—Prospection and fungal virulence associated with <i>Mahanarva spectabilis</i> (Hemiptera: Cercopidae) in an Amazon silvopastoral system .....	426–432
Shrubovych, Julia, Josef Starý, and Cyrille A. D'Haese—Molecular phylogeny of Acerentomidae (Protura), with description of <i>Acerentuloides bernardi</i> sp. nov. from North America .....	433–443
Johnson, Dana M., Emily K. Rizzo, Caitlin Taylor, and Christopher J. Geden—Effect of host decoys on the ability of the parasitoids <i>Muscidifurax raptor</i> and <i>Spalangia cameroni</i> (Hymenoptera: Pteromalidae) to parasitize house fly (Diptera: Muscidae) puparia .....	444–448
Rice, Kevin B., John P. Cullum, Nik G. Wiman, Richard Hilton, and Tracy C. Leskey— <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae) response to pyramid traps baited with attractive light and pheromonal stimuli .....	449–453
Cluever, Jeffrey D. and Hugh A. Smith—A photo-based key of thrips (Thysanoptera) associated with horticultural crops in Florida .....	454–467

- Dias, Naymã P., Sabrina Ongarotto, Mauro S. Garcia, and Dori E. Nava—Oviposition of *Anastrepha fraterculus* and *Ceratitis capitata* (Diptera: Tephritidae) in citrus fruits, and development in relation to maturity of orange fruits 468–473

---

## Scientific Notes

---

- Graves, Gary R.—First record of *Citheronia regalis* (Lepidoptera: Saturniidae) feeding on *Cotinus obovatus* (Sapindales: Anacardiaceae) ..... 474–475
- Pimpinato, Higor Augusto Seraphim, Gustavo Rodrigues Alves, and Pedro Takao Yamamoto—Feeding and oviposition of *Diaphorina citri* (Hemiptera: Liviidae) on *Helietta apiculata* (Sapindales: Rutaceae): a potential host? ..... 476–477
- Rhodes, Elena M. and Oscar E. Liburd—Flower thrips (Thysanoptera: Thripidae and Phlaeothripidae) species complex on Florida blackberries and the effect of blackberry cultivar ..... 478–480
- McKenzie, Cindy L. and Lance S. Osborne—*Bemisia tabaci* MED (Q biotype) (Hemiptera: Aleyrodidae) in Florida is on the move to residential landscapes and may impact open-field agriculture ..... 481–484
- Cicero, Joseph M., Matthew M. Adair, Robert C. Adair Jr., Wayne B. Hunter, Pasco B. Avery, and Russell F. Mizell III—Predatory behavior of long-legged flies (Diptera: Dolichopodidae) and their potential negative effects on the parasitoid biological control agent of the Asian citrus psyllid (Hemiptera: Liviidae) ..... 485–487
- Campbell, Joshua W., Cynthia C. Viguiera, Patrick Viguiera, John E. Hartgerink, and Cathryn H. Greenberg—The use of root plates for nesting sites by *Anthophora abrupta* (Hymenoptera: Apidae) may be common within forested habitats ..... 488–490
- Stocks, Ian C. and Gregory A. Evans—Armored scales (Hemiptera: Diaspididae) infesting Hass avocado intercepted in Florida and a new parasitoid–host association for *Davidsonaspis aguacatae* ..... 491–494
- Skarlinsky, Thomas, Joe Funderburk, and Felipe Soto-Adames—*Ceratothripoides brunneus* (Thysanoptera: Thripidae) recorded from Florida ..... 495–497

---

## Book Reviews

---

- Capinera, John L.—Book Review: Cloyd RA. 2016. Greenhouse Pest Management. CRC Press, Boca Raton, Florida .. 498
- Frank, J. Howard—Book Review: Deloya C, Ponce Saavedra J, Reyes Castillo P, Aguirre León G [eds.]. 2016. Escarabajos del Estado de Michoacán (Coleoptera: Scarabaeoidea). S y G Editores, México D.F. ..... 498–499
- Půža, Vladimír—Book Review: Hunt DJ & Nguyen KB [eds.]. 2016. Advances in Entomopathogenic Nematode Taxonomy and Phylogeny. Nematology Monographs and Perspectives, Volume 12. Brill, Leiden, Netherlands ..... 499–500

---

## Miscellaneous

---

- List of Corporate and Sustaining Members ..... 501

