**Richard W. Mankin**

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**(a) Professional Preparation**

New Mexico State University Physics B. S. 1970

New Mexico State University Mathematics B. S. 1970

University of Florida Physics M. S. 1976

University of Florida Entomology Ph.D. 1979

University of Florida Research Associate 1979-1980

**(b) Appointments**

1980-present Research Entomologist, USDA ARS CMAVE, Gainesville, FL

**(c) Publications (10 of 163 at** [**https://www.ars.usda.gov/rmankin**](https://www.ars.usda.gov/rmankin) **)**

Mankin, R. W., Patel, R., Grugnale, M., and Jetter, E., Effects of *Diaphorina citri* population density on daily timing of vibrational communication calls: Potential benefits in finding forage. Insects 11: 182 2020.

Rohde, B. B., Staunton, K. M., Zeak, N. C., Beebe, N., Snoad, N., Bondarenco, A., Liddington, C., Anderson, J. A., Xiang, W., Mankin, R. W., and Ritchie, S. A. Waterproof, low-cost, long-battery-life, sound trap for surveillance of male *Aedes aegypti*, for rear-and-release mosquito-control programmes. Parasites & Vectors 12: 417. 2019.

Njoroge, A. W., Affognon, H., Richter U., Hensel, O., Rohde, B., Chen, D., and Mankin R. 2019. Acoustic, pitfall trap, and visual surveys of stored product insect pests in Kenyan warehouses. Insects MDPI 10: 105; doi:10.3390/insects10040104.

Mankin, R. W., Stanaland, D., Haseeb, M., Rohde B. Menocal, O., and Carrillo, D. 2018. Assessment of plant health structural characteristics, health, and ecology using bioacoustic tools. Proceedings of Meetings on Acoustics. 33: 010003.

Mankin, R. W., Burman, H., Menocal, O., and Carrillo, D. 2018. Acoustic detection of *Mallodon dasystomus* (Coleoptera: Cerambycidae) in *Persea americana* (Laurales: Lauraceae) branch stumps. Florida Entomologist 101: 321-323. 2018.

Jalinas, J., Güerri-Agulló, B., Dosunmu, O. G., Lopez Llorca, L. V., and Mankin, R. W. 2017. Acoustic activity cycles of *Rhynchophorus ferrugineus* (Coleoptera: Dryophthoridae) early instars after *Beauveria bassiana* (Hypocreales: Clavicipitaceae) treatments. Annals of the Entomological Society of America 110: 551-557.

Jakhete, S. S., Allan, S. A., and Mankin, R. W. 2017. Wingbeat frequency sweep and visual stimuli for trapping male Aedes aegypti (Diptera: Culicidae). J. Med. Entomol. 54: 1415-1419.

Mankin, R. W., Al-Ayedh, H. Y., Aldryhim. Y. and Rohde, B. 2016. Acoustic detection of *Rhynchophorus ferrugineus* (Coleoptera: Dryophthoridae) and *Oryctes elegans* (Coleoptera: Scarabaeidae) in *Phoenix dactylifera* (Arecales: Arecacae) trees and offshoots in Saudi Arabian orchards. J. Econ. Entomol. 109: 622-628.

Mankin, R. W. Applications of acoustics in insect pest management. CAB reviews 7: 001. 2012.

Mankin, R. W., Hagstrum, D. W., Smith, M. T., Roda, A. L., and Kairo, M. T. K. 2011. Perspective and promise: a century of insect acoustic detection and monitoring. American Entomologist 57:30-44. 2011.

**(d) Synergistic Activities**

Treasurer, Physiology, Biochemistry, Toxicology Section, Entomological Society of America

Subject editor: PLoS One, Florida Entomologist

Webmaster: Florida Entomologist

**(e) Collaborators and other Affiliations**

Haseeb, M., Hix, R, FAMU

Allan, S., Krugner, R., and Meagher, R., ARS, USDA

Njoroge, A., and Baributsa, D., Purdue University

Dale, A.; Kawahara, A., Cinel, S., Hahn, D., University of Florida

Entomological Society of America

Acoustical Society of America

American Mosquito Control Association

Florida Entomological Society

Florida State Horticultural Society

American Association for the Advancement of Science