



**Name:** Dr. Tahir Rashid  
**Title:** Associate Professor of Entomology  
**Email:** trashid@alcorn.edu  
**Phone:** 662-741-3375  
**Fax:** 662-741-3370  
**Office:** Ext/Research Demo Farm and Tech Transfer Center, 294 Grainger Dorsey Rd., Mound Bayou, MS 38762

**Area of Research:** Integrated pest management with emphasis on biopesticides and chemical ecology of insect pests.

**Course/s Taught:** PS 603-IPM  
PS 346-General Entomology  
PS 482-Weed Control  
PS 484 Greenhouse Crops

**Appointment:** Teaching and Research

**Selected Publications:** Rashid, T. and McLeod, P. 2019. Toxicity of pyrethroid insecticides to squash bug. Adv. in Entomology. Accepted for publication.

Chen, J., T. Rashid, F. Guolei, Y. Zhang and M. Grodowitz. 2019. Insecticidal activity and structure-activity relationship of Benzoate analogs against red imported fire Ants, *Solenopsis invicta* Buren (Hymenoptera: Formicidae). J. Economic Entomology. 112(2):691–698. DOI: 10.1093/jee/toy360.

Chen, J. T. Rashid, G. Feng, and X. Jin. 2017. Response of *Solenopsis invicta* workers to polyoxyethylene tridecyl ether surfactants in relation to hydrophilic-lipophilic balance. Open Biological Sciences Journal. 3:1-8. DOI: 10.2174/2352633501703010001

Chen J, T. Rashid and G. Feng. 2014. Esterase in imported fire ants, *Solenopsis invicta* and *S. richteri* (Hymenoptera: Formicidae): Activity, kinetics and variation. Scientific Reports: 4:7112. DOI: 10.1038/srep07112.

McLeod, P. and T. Rashid. 2014. Toxicity of pyrifluquinazon against greenhouse whitefly on tomato produced in greenhouses. Advances in Entomology. 2:115-119. DOI.org/10.4236/ae.2014.23018.

Chen J, T. Rashid and G. Feng. 2014. A comparative study between *Solenopsis invicta* and *Solenopsis richteri* on tolerance to heat and desiccation stresses. PLoS ONE 9(6): e96842. DOI:10.1371/journal.pone.0096842

Rashid, T., J. Chen, J. T. Vogt and P. J. McLeod. 2013. Arthropod prey of imported fire ants (Hymenoptera: Formicidae) in Mississippi sweetpotato fields. *Insect Science*. 20: 467–471. DOI: 10.1111/1744-7917.12003.

Rashid, T., J. Chen and P. McLeod. 2013. Toxicity of newly isolated piperidine alkaloids from the red imported fire ant, *Solenopsis invicta* Buren, against the green peach aphid, *Myzus persicae* (Sulzer). *Advances in Entomology*. 1(2): 20-23. DOI: 10.4236/ae.2013.12005.

Chen J, T. Rashid, G. Feng, L. Zhao, D. Oi and B. Drees. 2013. Defensive Chemicals of tawny crazy ants, *Nylanderia fulva* (Hymenoptera: Formicidae) and their toxicity to red imported fire ants, *Solenopsis invicta* (Hymenoptera: Formicidae). *Toxicon*. 76(15):160-166. DOI: 10.1016/j.toxicon.2013.09.018