

## Top 10 AVRDC-publications 2014

Beran F, Pauchet Y, Kunert G, Reichelt M, Wielsch N, Vogel H, Reinecke A, Svatos A, Mewis I, Schmid D, **Srinivasan R**, Ulrichs C, Hansson BS, Gershenzon J, Heckel DG. 2014. *Phyllotreta striolata* flea beetles utilize host plant defense compounds to create their own glucosinolate-myrosinase system. Proceedings of the National Academy of Sciences 111(20): 7349-7354

**Chang JC, Srinivasan R**. 2014. Identification and expression analysis of diapause hormone and pheromone biosynthesis activating neuropeptide (DH-PBAN) in the legume pod borer, *Maruca vitrata* Fabricius. PLoS ONE. 9(1): e84916.  
<http://dx.doi.org/10.1371/journal.pone.0084916>.

**Hanson P, Schafleitner R, Huang SM, Tan CW, Ledesma D, Yang RY**. 2014. Characterization and mapping of a QTL derived from *Solanum habrochaites* associated with elevated rutin content (quercetin-3-rutinoside) in tomato. Euphytica 200(3): 441-454.

Kahane R, Hodgkin T, Jaenicke H, Hoogendoorn C, Hermann M, **Keatinge JDH, Hughes J d'A**, Padulosi S, Looney N. 2013. Agrobiodiversity for food security, health and income. Journal of Agronomy for Sustainable Development 33(4): 671-693. <http://dx.doi.org/10.1007/s13593-013-0147-8>

Kang YJ, Kim SK, Kim MY, Lestari P, Kim KH, Ha B-K, Jun TH, Hwang WJ, Lee T, Lee J, Shim S, Yoon MY, Jang YE, Han KS, Taeprayoon P, Yoon N, Somta P, Tanya P, Kim KS, Gwag J-G, Moon J-K, Lee J-H, Park B-S, Bombarely A, Doyle JJ, Jackson SA, **Schafleitner R**, Srinives P, Varshney RK, Lee S-H. 2014. Genome sequence of mungbean and insights into evolution within *Vigna* species. Nature Communications 5.

**Keatinge JDH, Ledesma D**, Keatinge FJD, **Hughes J d'A**. 2014. Projecting annual air temperature changes to 2025 and beyond: implications for vegetable production. Journal of Agricultural Science 152: 38-57.  
<http://dx.doi.org/10.1017/S0021859612000913>.

**Keatinge JDH, Lin L-J, Ebert AW, Chen WY, Hughes J d'A, Luther GC, Wang J-F, Ravishankar M**. 2014. Overcoming biotic and abiotic stresses in the Solanaceae through grafting: current status and future perspectives. Biological Agriculture and Horticulture. <http://dx.doi.org/10.1080/01448765.2014.964317>.

**Kenyon L, Tsai W-S, Shih S-L, Lee L-M**. 2014. Emergence and diversity of begomoviruses infecting solanaceous crops in East and Southeast Asia. Virus Research 186:104-113.  
<http://dx.doi.org/10.1016/j.virusres.2013.12.026>.

Kumar P, Huang LZ, **Srinivasan R**. 2014. Effect of two commercial bio pesticides of neem (*Azadirachta indica*) and *Bacillus thuringiensis* on legume pod borer (*Maruca vitrata*) (Lepidoptera: Crambidae) in Thailand. International Journal of Tropical Insect Science 34(2): 80-87.

**Yule S, Srinivasan R**. 2014. Combining bio-pesticides with chemical pesticides to manage legume pod borer (*Maruca vitrata*) on yard-long bean in Thailand. International Journal of Pest Management 60(1): 67-72.