

Minghui Fei



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Research interest : Insect ecology, Plant-insect interactions, Insect parasitoid, Multi-trophic interactions, chemical ecology, Phenology

Biography

- 1. Dec.2017 – present:** Assistant Professor, Department of Entomology, College of Plant Protection, Nanjing Agriculture University, China
- 2. Dec.2016 – Oct.2017:** Post-doctoral researcher in Department of Biology, Virginia Commonwealth University, USA
- 3. Dec.2011 – Jun.2016:** Ph.D. in Department of Terrestrial Ecology, Netherland Institute of Ecology (NIOO-KNAW), The Netherlands. Advisor: Prof. dr. Louise Vet, Prof. dr. Jeffrey A. Harvey, Dr. Rieta
- 4. Sep.2008 – Jul.2011:** MSc, Cell biology, Northeast Forestry University, P.R.China Advisor: Prof. dr. Xiufeng Yan
- 5. Sep.2004 – Jul.2008:** B.S., Biotechnology, Northwest A&F University, P.R. China

Research Projects

- 1.** National Natural Science Foundation for young scientist of China, *Mechanism study of niche partitioning between two sibling Oomyzus parasitoids (Hymenoptera: Eulophidae) of ladybirds*, Director, 2019-2021
- 2.** Natural Science Foundation for young scientist of Jinagsu Province, *The importance of phenology in studies of plant-herbivore-parasitoid interactions*, Director, 2018-2020

Selected publications

- 1. Fei M, Harvey, JA. Yin Y, Gols R.** Oviposition preference for young plants by the large cabbage butterfly (*Pieris brassicae*) does not strongly correlate with caterpillar performance. *Journal of Chemical Ecology*. 2017, 43: 617–629

2. **Fei M**, Harvey JA, Weldegergis B, Tzeyi H, Reijngoudt K, Vet LEM, Gols R. Integrating insect life history and food plant phenology: flexible maternal choice is adaptive. *International Journal Molecular Science*. 2016, 17(8),[1263].doi:10.3390/ijms17081263
3. **Fei M**, Gols R, Zhu F, Harvey JA. Plant quantity affects development and survival of a gregarious insect herbivore and its endoparasitoid wasp, *PloS One*. 2016, 11(3). [e0149539] doi:10.1371/journal.pone. 0149539.
4. **Fei M**. The importance of phenology in studies of plant-herbivore-parasitoid interactions. Wageningen University, The Netherland, 2016. ISBN 978-94-6257-6551.
5. **Fei M**, Gols R, Harvey JA. Seasonal phenology of interactions involving short-lived annual plants, a multivoltine herbivore and its endoparasitoid wasp, *Journal of Animal Ecology*. 2014, 83: 234-244.
6. Harvey JA, **Fei M**, Gols R, Heinen R *et al*. Development of a solitary koinobiont hyperparasitoid in different instars of its primary and secondary hosts. *Journal of Insect Physiology*. 2016, doi: 10.1016/j.jinsphys.2016.05.006.
7. Chen Y, **Fei M**, Wang Y, Chen S, Yan X. Proteomic investigation of glucosinolate systematically changes in *Arabidopsis* Rosette leaves to exogenous methyl jasmonate. *Plant Biosystems*. 2013, 149: 346-353.
8. Pang Q, Guo J, Chen S, Chen Y, Zhang L, **Fei M**, Jing S, Li M, Wang Y, Yan X. Effect of salt treatment on the glucosinolate-myrosinase system in *Thellungiella salsuginea*. *Plant and Soil*. 2012, 355: 363-374.