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Author: Wang, Y.

Title: The effects of burying beetle social behaviours on interspecific interactions

Issue Date: 2018-11-20

Curriculum vitae

Yin Wang was born on 22nd June, 1986, in Anqing, Anhui province, China. In 2005 he graduated from Anqing No.1 Middle School in Anhui. In September of the same year he started his Life & Environmental Science study, a shared program of National Natural Science Foundation of China and Huangshan College focused on the Phylogeography and Conservation Genetics. He finished his Bachelor program in 2009 with a research internship on Phylogeny and Anatomy diversity on intestinal system of snake under the supervision of Prof. dr. Song Huang. After obtaining his bachelor's degree with a major in Life Science, he continued with the master program in Central China Normal University with the same major. He finished his master project of "the interactions and functions research on the flagellate and its symbionts in lower termite *Reticulitermes santonensis* gut", with supervision of Prof. dr. Hong Yang in June 2012. He obtained his master degree in the same year.

In June 2012 he was granted a scholarship by the China Scholarship Council of the Chinese Ministry of Education for PhD study at Leiden University. In October, 2012 he arrived at Leiden and started his PhD study at the department of Microbial Biotechnology & Health at the Institute of Biology (IBL). During his PhD study in Leiden he finished his research and obtained four publications, these are all included in this thesis.

Scientific contributions

PUBLICATION LIST

1. Jacobs, C. G. C.* , Wang, Y.* , Vogel, H., Vilcinskis, A., van der Zee, M., & Rozen, D. E. (2014). Egg survival is reduced by grave-soil microbes in the carrion beetle, *Nicrophorus vespilloides*. *BMC Evolutionary Biology*, 14(1), 208–215. <https://doi.org/10.1186/s12862-014-0208-x>. (Co-first author)
2. Wang, Y., & Rozen, D. E. (2017). Gut Microbiota Colonization and Transmission in the Burying Beetle *Nicrophorus vespilloides* throughout Development. *Applied and Environmental Microbiology*, 83(9), e03250-16. <https://doi.org/10.1128/AEM.03250-16>
3. Wang, Y., & Rozen, D. E. (2018). Gut microbiota in the burying beetle, *Nicrophorus vespilloides*, provide colonization resistance against larval bacterial pathogens. *Ecology and Evolution*, 8(3), 1646-1654. <https://doi.org/DOI: 10.1002/ece3.3589>.
4. Wang Y., & Rozen, D. E. (2018). Fitness effects and transmission of phoretic nematodes of the burying beetle, *Nicrophorus vespilloides*. *Ecology and Evolution* (In press). DOI: 10.1002/ece3.4570

CONFERENCE PRESENTATIONS/ ATTENDANCE

1. Attended National Environmental Biology Academic Symposium, 2009, Wuhan, China
2. Post presentation in BISMIS (conference of Bergey's International Society for Microbial Systematics), 2011, Beijing, China
3. Attended 26th Nederlandse Entomologendag, 2014, Wageningen, Netherlands
4. Attended 8th Congress of the International Symbiosis Society, July, 2015, Lisbon, Portugal
5. Poster presentation accepted for the 6th ASM Conference Beneficial Microbes, September, 2016, Seattle, USA

COURCES AND WORKSHOPS

1. KNAW NWO PhD Event : The Famelab workshop, Amsterdam, the Netherlands, 2012
2. Biostatistics and R programing, Leiden, the Netherlands, 2013
3. Time management, Leiden, the Netherlands, 2013
4. Scientific conduct (On being a scientist), Leiden, the Netherlands, 2014
5. Effective communication, Leiden, the Netherlands, 2015
6. Communication in Science, Leiden, the Netherlands,2015