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Learning from nature: using plant-soil feedback principles to improve growth and health of a horticultural crop

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Curriculum vitae

Haikun Ma was born on 17th March 1991 in Xinyang, Henan Province, China. She received her bachelor degree at Hunan Agricultural University, China in 2011. During her bachelor study, she focused on the construction of phylogenetic tree of ruminants based on the milk protein gene sequences. In 2011, she started her master study at Nankai University, China. She worked on the profile of soil microbial community in different ecosystems in China. She finished her thesis and received her master degree in 2014. In 2014, she received a grant from 'China Scholarship Council' for supporting her PhD study abroad. In the same year, she started her PhD project at Terrestrial Ecology department of Netherlands Institute of Ecology (NIOO-KNAW), under the supervision of Prof.T. Martijn Bezemer, Dr. Andre van der Wurff and Dr. Ana Pineda. She focused on using plant-soil feedback principles to improve the growth and health of a horticultural crop. The findings of her PhD researches are described in this thesis.

Publications

Ma, H., Pineda, A., van der Wurff, A.W., Bezemer, T.M. (2018). Carry-over effects of soil inoculation on plant growth and health under sequential exposure to soil-borne diseases. *Plant and Soil*, 433, 257-270.

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