

Yuandan Ma

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EDUCATION

- Ph.D. Nanjing University, 2009: Biology (Ecology), “Evolution of the Carbon Sequestration of Terrestrial Ecosystems”.
- M.S. Beihua University, 2005: Silviculture (Ecology), “Researches on litter biomass and decomposition dynamics of main forest communities of Changbai Mountain”.
- B.S. Beihua University, 2001: Forestry, “Biodiversity of the near-nature forest”.

WORK EXPERIENCE

- Lecture, School of Forestry and Bio-technology, Zhejiang A & F University (2009-).
Teaching courses in ecology and meteorology.
Research field: Ecosystem functions (focuses on ecosystem carbon dynamics and response to global change), Microbial Ecology (focuses on the plant - mycorrhizal symbiosis).
- Visiting Scholar, College of Life Sciences, Zhejiang University (2014-2015)
Research field: Arbuscular mycorrhizal fungi (AMF)

RESEARCH PROJECTS

- The effects of phosphorus stress on bamboo arbuscular mycorrhiza fungi inoculant development, Cooperation projects of Zhejiang Provincial Forestry Department and Chinese Academy of Forestry, PI (2016-2018).
- Dynamics of the soil respiration during the litter decomposition of the main tree species in subtropical zones of China, Zhejiang Provincial Natural Science Foundation of China (Y5110210), PI (2011-2013).
- Effects of simulated acid rain on the litter decomposition in subtropical zones of China, Natural Science Foundation of Zhejiang A & F University (2009FR071), PI (2009-2012).
- Effect of acid rain on bamboo litter decomposition project (200608), Nurturing Station for the State Key Laboratory of Subtropical Silviculture, PI (2007-2009).

PUBLICATIONS

Hongqin Zhang, Xiaolin Zang, **Yuandan Ma**, Mengmeng Liu, Li Jia, Baoyintaogetao, Rumin Zhang, Yan Gao. Effects of grazing on soil nutrient elements in the rhizosphere of *Artemisia frigida* Willd. Journal of Soil and Water Conservation (in Chinese), 2015, 29(6), 1-6.

Qianqian Lin, Bin Wang, **Yuandan Ma**, Chengyu Wu, Mingshui Zhao. Effects of *Phyllostachys pubescens* Forest Expansion on Biodiversity in Tianmu Mountain National Nature Reserve. Journal of Northeast Forestry University (in Chinese), 2014, 42(9), 43-47+71.

Yuandan Ma, Hong Jiang, Bin Wang. Dynamics of the carbon storage of terrestrial ecosystems in geological spatial and temporal scales. In: 19th International Conference on Geoinformatics, Geoinformatics 2011, DOI: 10.1109/Geoinformatics.2011.5980817. Shanghai, China.

- Yuandan Ma**, Hong Jiang, Shuquan Yu, Guomo Zhou, Rongpeng Dou, Peipei Guo, Bin Wang, Xinzhang Song. Effects of simulated acid rain on the decomposition of *Phyllostachys pubescens*. *Acta Scientiarum Naturalium Universitatis Sunyatseni* (in Chinese), 2010, 49(2), 95-99.
- Yuandan Ma**, Hong Jiang, Bin Wang, Guomo Zhou, Shuquan Yu, Shaolin Peng, Yunqing Hao, Xiaohua Wei, Jun Liu, Zhixiang Yu. Carbon storage of cycad and other gymnosperm ecosystems in china: implications to evolutionary trends. *Polish Journal of Ecology*, 2009, 57(4), 635-646.
- Yuandan Ma**, Xiuying Zhang, Qian Zhu, Hong Jiang, Meiling Huang, Bin Wang, Xiaohui Xia, 2009. Spatial distribution of litter storage in China. In: 17th International Conference on Geoinformatics, Geoinformatics 2009, DOI: 10.1109/GEOINFORMATICS. 2009. 5293433. Fairfax, VA, United states.
- Yuandan Ma**, Hong Jiang, Shuquan Yu, Rongpeng Dou, Peipei Guo, Bin Wang. Leaf litter decomposition of plants with different origin time in the mid-subtropical China (in Chinese), 2009, 29(10), 5237-5245.
- Yuandan Ma**, Hong Jiang, Shuquan Yu, Guomo Zhou, Bin Wang, Shaoliin Peng, Changhui Peng, Jie Chang, Xiaohua Wei. Biomass and productivity of a tree fern ecosystem in China. *Journal of Plant Ecology* (in Chinese), 2008, 32(6) 1294-1300.
- Yuandan Ma**, Zhongling Guo, Jinmin Xu, Zhengguo Kang, Chunnan Fan. Discussion on the mechanism of project of returning farmland to forest. *Journal of Beihua University* (in Chinese), 2004, 5(2), 162-164.