

## **Wanqin Yang**

### **Professor, Institute of Ecology and Forestry, Sichuan Agricultural University**

211# Humin Road, Wenjiang District, Chengdu, 610031

Sichuan Province, PR. China.

**E-Mail:** [scyangwq@163.com](mailto:scyangwq@163.com)

### **Education**

Ph.D., Soil Science, Southwest China Agricultural University, 1998-2001

M.S.A., Ecology, Southwest China Normal University, 1994-1997

B.E.E., Biological Education, Sichuan Normal College, 1990-1994

### **Work experiences**

Visiting Scholar: University of Quebec at Montreal (UQAM), Canada. 2017

Professor, Institute of Ecology and Forestry, Sichuan Agricultural University, 2011-

Professor, College of Forestry, Sichuan Agricultural University, 2008-2011

Associate professor, College of Forestry, Sichuan Agricultural University, 2004-2008

Associate professor, Chengdu Institute of Biology, CAS, 2001-2004

Lecture, Biology Department, Leshan Normal College, 1997-2001

### **Research Interests**

The process of subalpine forest ecosystem under climate change scenarios

Ecological Restoration of degraded forest ecosystem

Phytoremediation of contaminate soil

### **New Publications**

He W, Wu F, Yang W\*, Zhang D, Xu Z, Tan B, Zhao Y, Justine MF. Gap locations influence the release of carbon, nitrogen and phosphorus in two shrub foliar litter in an alpine fir forest. *Scientific Reports*, 2016, DOI: 10.1038/srep22014.

Li H, Wu F, Yang W\*, Xu L, Ni X, He J, Tan B, Hu Y. Effects of Forest Gaps on Litter Lignin and Cellulose Dynamics Vary Seasonally in an Alpine Forest. *Forests*, 2016, 7, 27; doi:10.3390/f7020027.

Li H, Xu L, Wu F, Yang W\*, Ni X, He J, Tan B, Hu Y. Forest Gaps Alter the Total Phenol Dynamics in Decomposing Litter in an Alpine Fir Forest. *PloS ONE*, 2016, DOI:10.1371/journal.pone.0148426.

Zhou J, Wu F, Yang W\*, Tan B, Xu Z, Zhang J, Duan F, Liu H, Justine MF. The Mass Loss and Humification of Stumps and Roots in Masson Pine Plantations Based on Log File Records. *PloS ONE*, 2016, DOI:10.1371/journal.pone.0160913.

Liu Y, Chen Y, Zhang J, Yang W\*, Zhu P, He X, Deng C, He R. Changes in foliar litter decomposition of woody plants with elevation across an alpine forest-tundra ecotone in eastern Tibet Plateau. *Plant Ecology*, 2016, DOI 10.1007/s11258-016-0594-9.

Zhang L, Wang A, Yang W\*, Xu Z, Wu F, Tan B, Liu Y, Chen L. Soil microbial abundance and community structure vary with altitude and season in the coniferous forests, China. *Journal of Soils and Sediments*, 2016, DOI 10.1007/s11368-016-1593-0.

- Zhao Y, Wu F, Yang W\*, Tan B, He W. Variations in bacterial communities during foliar litter decomposition in the winter and growing seasons in an alpine forest of the eastern Tibetan Plateau. *Canadian Journal of Microbiology*, 2016, 62: 1-14.
- Zhao Y, Wu F, Yang W\*, He W, Tan B, Xu Z. Bacterial Community Changes During Fir Needle Litter Decomposition in an Alpine Forest in Eastern Tibetan Plateau. *Russian Journal of Ecology*, 2016, 47(2): 145-157.
- Xu Z, Zhu J, Wu F, Liu Y, Tan B, Yang W\*. Effects of litter quality and climate change along an elevational gradient on litter decomposition of subalpine forests, Eastern Tibetan Plateau, China. *Journal of Forest Research*, 2016, 27: 505-511.
- Zhang L, Wu F, Xu Z, Yang W\*. Effects of simulated warming on soil ammonia-oxidizing bacteria and archaea communities in an alpine forest of western Sichuan, China. *Acta Ecologica Sinica*, 2016, DOI: 10.1016/j.chnaes.2016.12.004.
- Ni X, Yang W, Qi Z, Liao S, Xu Z, Tan B, Wang B, Wu Q, Fu C, You C, Wu F\*. Simple additive simulation overestimates real influence: altered nitrogen and rainfall modulate the effect of warming on soil carbon fluxes. *Global Change Biology*, 2016. DOI: 10.1111/gcb.13588.
- Yue K, Fornara DA, Yang W, Peng Y, Li Z, Wu F\*, Peng C\*. Effects of three global change drivers on terrestrial C:N:P stoichiometry: a global synthesis. *Global Change Biology*, 2016. DOI: 10.1111/gcb.13569.
- Ni X, Yang W, Tan B, Wu F\*. Forest gaps slow the sequestration of soil organic matter: a humification experiment with six foliar litters in an alpine forest. *Scientific Reports*, 2016, 6, 19744.
- Yue K, Peng C, Yang W, Wu F\*. Stimulation of terrestrial ecosystem carbon storage by nitrogen addition: a meta-analysis. *Scientific Reports*, 2016, 6, 19895.
- Liao S, Ni X, Yang W, Li H, Wang B, Fu C, Xu Z, Tan B, Wu F\*. Water, Rather than Temperature, Dominantly Impacts How Soil Fauna Affect Dissolved Carbon and Nitrogen Release from Fresh Litter during Early Litter Decomposition. *Forests*, 2016, 7, 249.
- Yue K, Wu F, Yang W, Zhang C, Peng Y, Tan B, Huang C\*. Cellulose Dynamics during Foliar Litter Decomposition in an Alpine Forest Meta-Ecosystem. *Forests*, 2016, 7(8), 176.
- Liu Y, Liu K, Li Y, Yang W, Wu F, Zhu P, Zhang J\*, Chen L, Gao S, Zhang L. Cadmium contamination of soil and crops is affected by intercropping and rotation systems in the lower reaches of the Minjiang River in south-western China. *Environmental Health & Public Health*, 2016, 38:811-820.
- He J, Yang W, Xu L, Ni X, Li H, Wu F\*. Copper and zinc dynamics in foliar litter during decomposition from gap center to closed canopy in an alpine forest. *Scandinavian Journal of Forest Research*, 2016, 31(4): 355-367.
- Yue K, Yang W, Peng Y, Zhang C, Huang C, Wu F\*. Dynamics of multiple metallic elements during foliar litter decomposition in an alpine forest river. *Annals of Forest Science*, 2016, 73(2): 547-557.
- Yue K, Yang W, Peng Y, Zhang C, Huang C, Wu F\*. Foliar litter decomposition in an alpine forest meta-ecosystem on the eastern Tibetan Plateau. *Science of The Total Environment*, 566-567, 279-287.
- Yue K, Peng C, Yang W, Peng Y, Zhang C, Huang C, Wu F\*. Degradation of lignin and cellulose during foliar litter decomposition in an alpine forest river. *Ecosphere*, 2016, 7(10): e01523.

Yue K, Yang W, Peng Y, Zhang C, Huang C, Wu F\*. Chromium, Cadmium, and Lead Dynamics During Winter Foliar Litter Decomposition in an Alpine Forest River. *Arctic Antarctic & Alpine Research*, 2016, 8(1): 79-91.