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## 研究队伍

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周丽霞

## 简介:

主要从事森林生态系统土壤微生物群落结构与多样性, 以及土壤C、N动态等方面的研究工作。在国内外学术刊物上发表学术论文80余篇, 荣获广东省科学技术奖一等奖1项, 授权发明专利1项。

## 研究领域:

土壤微生物生态学

## 承担科研项目情况:

## 社会任职:

## 获奖及荣誉:

南亚热带典型林分提质增效关键技术与应用, 广东省科学技术一等奖, 2015(4/15)

## 代表论著:

- 1) Wang XL, Yu SQ, Zhou LX\*, Fu SL. Soil microbial characteristics and the influencing factors in subtropical forests. *Acta Ecologica Sinica*, 2016, 36(1), 8-15
- 2) Wang XL, Wang XL, Zhang WX, Shao YH, Zou XM, Liu T, Zhou LX, Wan SZ, Rao XQ, Li ZA, Fu SL. Invariant community structure of soil bacteria in subtropical coniferous and broadleaved forests. *Scientific reports*, 2016, 6, 19071
- 3) Chen YQ, Liu ZP, Rao XQ, Wang XL, Liang CF, Lin YB, Zhou LX, Cai XA, Fu SL. Carbon Storage and Allocation Pattern in Plant Biomass among Different Forest Plantation Stands in Guangdong, China. *Forests*, 2015, 5, 794-808.
- 4) Wan SZ, Zhang CL, Chen YQ, Zhao J, Xiaolin Zhu, Wu JP, Zhou LX, Lin YB, Liu ZF, Fu SL. Interactive effects of understory removal and fertilization on soil respiration in subtropical Eucalyptus plantations. *Journal of Plant Ecology*, 2015, 8(3), 284-290.
- 5) Zhao J, Wan SZ, Zhang CL, Liu ZF, Zhou LX, Fu SL. Contributions of understory and/or overstory vegetations to soil microbial PLFA and nematode diversities in eucalyptus monocultures. *PLOS ONE*, 2014, 9, e85513.
- 6) Wan SZ, Zhang CL, Chen YQ, Zhao J, Wang XL, Wu JP, Zhou LX, Lin YB, Liu ZF, Fu SL. The understory fern *Dicranopteris dichotoma* facilitates the overstory Eucalyptus trees in subtropical plantations. *Ecosphere*, 2014, 5 (5), 51.
- 7) Wu JP, Liu ZF, Sun YX, Zhou LX, Lin YB, Fu SL. Introduced Eucalyptus urophylla plantations change the composition of the soil microbial community in subtropical China. *Land Degradation & Development*, 2013, 24, 400-406.
- 8) Zhou LX, Fu SL, Ding MI, Yi ZG, Yi WM. Soil CO<sub>2</sub> concentration and efflux from three forests in subtropical China. *Soil Research*, 2012, 50(4), 328-336.
- 9) Chen DM, Zhou LX, Wu JP, Hsu J, Lin YB, Fu SL. Tree girdling affects the soil microbial community by modifying resource availability in two subtropical plantations. *Applied Soil Ecology*, 2012, 53, 108-115.
- 10) Liu ZF, Wu JP, Zhou LX, Lin YB, Fu SL. Tree girdling effect on bacterial substrate utilization pattern depending on stand age and soil microclimate in Eucalyptus plantations. *Applied Soil Ecology*, 2012, 54, 7-13.
- 11) Liu ZF, Wu JP, Zhou LX, Lin YB, Fu SL. Effect of understory fern (*Dicranopteris dichotoma*) removal on substrate utilization pattern of culturable soil bacterial community in subtropical Eucalyptus plantations. *Pedobiologia*, 2012, 55, 7-13.
- 12) Chen DM, Zhang CL, Wu JP, Zhou LX, Lin YB, Fu SL. Subtropical plantations are large carbon sinks: Evidence from two monoculture plantations in South China. *Agricultural and Forest Meteorology*, 2011, 151, 1214-1225.



- 13) Sun YX, Wu JP, Shao YH, Zhou LX, Mai BX, Lin YB, Fu SL. Responses of soil microbial communities to prescribed burning in two paired vegetation sites in southern China. *Ecology Research*, 2011, 26, 669-677.
- 14) Wu JP, Liu ZF, Wang XL, Sun YX, Zhou LX, Lin YB, Fu SL. Effects of understory removal and tree girdling on soil microbial community composition and litter decomposition in two Eucalyptus plantations in South China. *Functional Ecology*, 2011, 25, 921-931.
- 15) Wu JP, Liu ZF, Chen DM, Huang GM, Zhou LX, Fu SL. Understory plants can make substantial contributions to soil respiration: Evidence from two subtropical plantations. *Soil Biology & Biochemistry*, 2011, 43, 2355-2357.
- 16) Wang XL, Zhao J, Wu JP, Chen H, Lin YB, Zhou LX, Fu SL. Impacts of understory species removal and/or addition on soil respiration in a mixed forest plantation with native species in southern China. *Forest Ecology and Management*, 2011, 261, 1053-1060.
- 17) Cao YS, Fu SL, Zou XM, Cao HL, Shao YH, Zhou LX\*. Soil microbial community composition under Eucalyptus plantations of different age in subtropical China. *European Journal of Soil Biology*, 2010, 46, 128-135.
- 18) Fu SL<sup>#</sup>, Zhou LX<sup>#</sup>, Shen JC, Ding MM, Zhang FQ, Huang HY, Rao XQ, Lin YB, Shao YH, Zhang WX. A simplified system for measuring rhizosphere respiration of fine roots in situ. *Forest Ecology and Management*, 2008, 255, 8-9, 3360-3364.
- 19) Yi ZG, Fu SL, Yi WM, Zhou GY, Mo JM, Zhang DQ, Ding MM, Wang XM, Zhou LX\*. Partitioning soil respiration of subtropical forests with different successional stages in south China. *Forest Ecology & Management*, 2007, 243:178-186.
- 20) 周倩, 夏汉平, 周丽霞\*. 磷脂脂肪酸法分析鹤山针叶林和荷木林的土壤微生物多样性. *热带亚热带植物学报*, 2011, 19 (2): 52-59.



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