

- 院士
- 国家杰出青年
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- 科研队伍
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● 研究员

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张甘霖

邮 箱: gl.zhang@issas.ac.cn

- 科研项目
- 著作论文
- 获奖情况
- 课题组成员

个人经历

教育经历:

- 华中农业大学, 获农学学士学位 (1983-1987)
- 中国科学院南京土壤研究所, 获理学硕士学位 (1987-1990)
- 中国科学院南京土壤研究所, 获理学博士学位 (1990-1993)

工作经历:

- 中国科学院南京土壤研究所, 研究实习员 (1990-1992)
- 中国科学院南京土壤研究所, 助理研究员 (1992-1995)
- 中国科学院南京土壤研究所, 副研究员 (1995-2001)
- 中国科学院南京土壤研究所, 研究员 (2001-)、博士生导师 (2002-)
- 荷兰国际土壤参与与信息中心合作研究 (1994)
- 德国基尔大学土壤与植物营养研究所, 访问学者 (1994-1995)
- 德国埃森大学, 客座研究员 (1998, 2000)
- 德国柏林工业大学合作研究 (2003)

科研项目

TOP

课题名称	负责人	课题来源	起止时间
基于时间序列的典型土壤发生过程速率研究	张甘霖	国家自然科学基金杰出青年科学基金	2007-2010
全国土壤环境背景值对比调查	张甘霖	环境保护部	2008-2010
江苏省数字土壤制图研究	张甘霖	江苏省科技厅	2008-2010
e-SOTER	张甘霖	EC (FP7)	2009-2011
我国土系调查与中国土系志编制	张甘霖	科技部基础性工作专项	2009-2013
全球数字土壤制图东亚区合作研究	张甘霖	科技部国际合作交流项目	2011-2013
海南岛玄武岩发育土壤的矿物和痕量元素特征与大气物源贡献	张甘霖	国家自然科学基金面上项目	2011-2013
生态系统固碳现状、速率、机制和潜力项目—华东农田土壤固碳潜力与速率研究	张甘霖	中国科学院战略性先导科技专项	2011-2015
Global Soil Partnership Asia Soil Science Network	张甘霖	FAO	2012-2014
我国土壤环境功能区划方法与关键技术研究	张甘霖	环保公益性行业科研专项	2012-2014
黑河流域关键土壤属性数字制图研究	张甘霖	国家自然科学基金重点项目	2012-2016

著作论文

TOP

专著:

1. 龚子同, 黄金荣, 张甘霖, 等. 中国土壤地理. 2011. 科学出版社
2. 龚子同, 张甘霖, 陈志诚, 等. 土壤发生与系统分类. 2007. 科学出版社
3. 张甘霖, 等. 土系研究与制图表达. 2001. 中国科学技术大学出版社
4. 徐建明, 张甘霖, 谢正苗, 吕晓南, 等. 土壤质量指标与评价. 2010. 科学出版社

代表性论文:

1. Huang LM, Zhang GL, Thompson A, Rossiter D G. Pedogenic Transformation of Phosphorus during Paddy Soil Development on Calcareous and Acid Parent Materials. *SSSAJ*, 2013, doi: 10.2136/sssaj2013.01.0033
2. Liu F, Zhang GL, Sun YJ, et al. Mapping three-dimensional distribution of soil organic matter over a subtropical hilly landscape. *Soil Science Society of America Journal*, 2013, DOI 10.2136/sssaj2012.0317
3. Han GZ, Zhang GL. Changes in magnetic properties and their pedogenetic implications for paddy soil chronosequences from different parent materials in south China. *European Journal of Soil Science*, 2013, 64, 435–444
4. Sun XL, Wu SC, Wang HL, Zhao YG, Zhang GL, Man YB, Wong MH. Dealing with spatial outliers and mapping uncertainty for evaluating the effects of urbanization on soil: A case study of soil pH and particle fractions in Hong Kong. *Geoderma*, 2013, 195-196: 220-233.
5. Yang JL, Zhang GL, Huang LM, et al. Estimating soil acidification rate at watershed scale based on the stoichiometric relations between silicon and base cations. *Chemical Geology*, 2013, 337-338: 30-37.
6. Huang LM, Zhang GL, Yang JL. Weathering and soil formation rates based on geochemical mass balances in a small forested watershed under acid precipitation in subtropical China. *Catena*, 2013, 105: 11-20.
7. Li JW, Zhang GL, Gong ZT. Nd isotope evidence for dust accretion to a soil chronosequence in Hainan Island. *Catena*, 2013, 101: 24-30.
8. Sun XL, Wu SC, Wang HL, Zhao YG, Zhao YC, Zhang GL\*, Man YB, Ming Hung Wong, Uncertainty Analysis for the Evaluation of Agricultural Soil Quality Based on Digital Soil Maps, *Soil Sci. Soc. Am. J.*, 2012, doi:10.2136/sssaj2011.0426
9. Sun XL, Zhao YG, Wu YJ, Zhao MS, Wang H, Zhang GL\*. Spatio-temporal change of soil organic matter content of Jiangsu Province, China, based on digital soil maps. *Soil Use and Management*, 2012, 28: 318-328
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12. Wang DC, Zhang GL\*, Pan XZ, Zhao YG, Zhao MS and Wang GF. Mapping Soil Texture of a Plain Area with Fuzzy-C-Means Clustering Method Based on the Land Surface Diurnal Temperature Difference. *Pedosphere*, 2012, 22(3): 394-403
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14. Xiaolin Sun, Yuguo Zhao, Mingsong Zhao, Ganlin Zhang\*. 2012. Spatial agricultural soil quality evaluation based on digital soil maps and uncertainty analysis. In Budiman Minasny et al. (eds.) Digital Soil Assessments and Beyond: Proceedings of the 5th Global Workshop on Digital Soil Mapping 2012, Sydney, Australia. 399-402, CRC Press.
15. HUANG Laiming, YANG Jinling, and ZHANG Ganlin\*, 2012, Chemistry and source identification of wet precipitation in a rural watershed of subtropical China *Chin. J. Geochem.* 31:347–354
16. Chen L M, Zhang GL\*, Effland W R. Soil characteristic response times and pedogenic thresholds during the 1000-year evolution of a paddy soil chronosequence. *Soil*

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## 获奖项目

TOP

国家杰出青年基金获得者

中国科学院“百人计划”入选者

享受国务院政府特殊津贴

江苏省“333”工程首批“中青年科技领军人才”

获得国家自然科学二等奖1项

江苏省科技一等奖1项

海南省科技二等奖1项

国家环保总局“环保科学技术奖”三等奖1项

神农中华农业科技奖三等奖1项

