

中国科学院水利部水土保持研究所

Institute of Soil and Water Conservation, CAS & MWR

西北农林科技大学水土保持研究所

Institute of Soil and Water Conservation, Northwest A&F University

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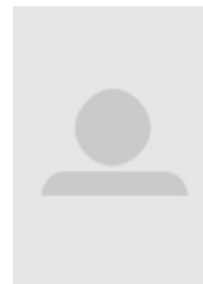
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简 历:

受教育经历: 2014/09-2017/07, 西北农林科技大学, 资源环境学院, 博士

2011/09-2014/07, 西北农林科技大学, 资源环境学院, 硕士

2007/09-2011/07, 云南农业大学, 水利水电与建筑学院, 学士

研究工作经历: 2019/12-至今, 西北农林科技大学水土保持研究所, 副教授

2017/07-2019/11, 中国科学院地理科学与资源研究所, 博士后, 助理研究员

研究方向:

- 黄土高原土壤动物地理分布;
- 土壤动物对气候变化和人类活动的响应和反馈;
- 土壤食物网与物质循环。

承担科研项目情况:

- 国家自然科学基金青年基金项目“中华鼯鼠洞道对黄土高原土壤水分入渗和坡面径流的影响”, 2019.01-2021.12, 主持;
- 中国博士后科学基金第 63 批面上资助项目“蚂蚁筑巢行为对土壤水文过程影响的试验研究”, 2018.01-2019.12, 主持;
- 西北农林科技大学人才引进科研专项“黄土高原土壤动物生态作用研究”, 2020.01-2024.12, 主持;
- 中科院先导专项课题, 侵蚀驱动的水碳氮耦合机理和模型模拟, 2020.01-2024.12, 参与。

代表论著:

- [1] Xi Yang, Ming'an Shao, Tongchuan Li*, Yuhua Jia, Xiaoxu Jia, Laiming Huang, 2020. A preliminary investigation of the effect of mole cricket (*Grylotalpa unispina* Saussure; Orthoptera: Grylotalpidae) activity on soil evaporation in semiarid Loess Plateau of northwest China. *Geoderma*, 363: 114-144.
- [2] Li Tongchuan, Jia Yuhua, Shao Ming'an*, Shennan*, 2019. *Camponotus japonicus* ant mounds indirectly accelerate leaf litter decomposition by altering soil temperature and moisture. *Soil & Tillage Research*, 194:104-312.
- [3] Li Tongchuan, Jia Yuhua, Shao Ming'an*, Shen Nan, 2019. *Camponotus japonicus* burrowing activities exacerbate soil erosion on bare slopes. *Geoderma*, 348:158-167.
- [4] Li Tongchuan, Shao Ming'an*, Jia Yuhua, Jia Xiaoxu, Huang Laiming, 2019. Small-scale observation on the effects of burrowing activities ants on soil hydraulic processes. *European Journal of Soil Science*, 70: 236-244.
- [5] Li Tongchuan, Shao Ming'an*, Jia Yuhua, 2016. Application of X-ray tomography to quantify macropore characteristics of loess soil under two perennial plants. *European Journal of Soil Science*, 67:266-275.
- [6] Jia Yuhua¹*, Li Tongchuan¹, Shao Ming'an*, Hao Jianhui, Wang Yunqiang, Jia Xiaoxu, Zeng Ceng, Fu Xiaoli, Liu Bingxia, Gan Miao, Zhao Mingyang, Ju Xinni, 2019. Disentangling the formation and evolution mechanism of plants-induced dried soil layers on China's Loess Plateau. *Agricultural and Forest Meteorology*, 269-270: 57-70.

[7] Li Tongchuan, Shao Ming'an*, Jia Yuhua, 2017. Effects of activities of ants (*Camponotus japonicus*) on soil moisture can not be neglected in the northern Loess Plateau. *Agriculture, Ecosystems and Environment*. 239:182-187.

[8] Li Tongchuan, Shao Ming'an*, Jia Yuhua, Jia Xiaoxu, Huang Laiming, 2018. Small-scale observation on the effects of the burrowing activities of mole crickets on soil erosion and hydrologic processes. *Agriculture, Ecosystems and Environment*. 261: 136-143.

[9] Li Tongchuan, Shao Ming'an*, Jia Yuhua, 2017. Characteristics of soil evaporation and temperature under aggregate mounds created by burrowing ants (*Camponotus japonicus*). *Soil Science Society of America Journal*, 81:259-267.

[10] Li Tongchuan, Shao Ming'an*, Jia Yuhua, Jia Xiaoxu, Huang Laiming, 2018. Using the X-ray computed tomography method to predict the saturated hydraulic conductivity of the upper root zone in the Loess Plateau in China. *Soil Science Society of America Journal*, 82:1085-1092.

[11] Li Tongchuan, Shao Ming'an*, Jia Yuhua, Jia Xiaoxu, Huang Laiming, 2018. Profile distribution of soil moisture in the gully on the northern Loess Plateau, China. *Catena*. 171: 460-468.

[12] 杨析, 邵明安, 李同川, 等. 2018. 黄土高原北部日本弓背蚁巢穴结构特征及其影响因素[J]. *土壤学报*, 055(004):868-878.

获奖及荣誉:

博士学位论文获评“2019 年陕西省优秀博士学位论文”

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政府机构及组织 ▼

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