

CURRICULUM VITAE

Xin Song

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Research interests

- Transformation of soil organic carbon fractions
- Dynamics of phosphorus in agroecosystem after legume introduction on abandoned farmland

Education

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|---------------------|---|
| 09, 2018 – present | Lanzhou University, Lanzhou, China PH.D. student majoring in ecology, focus on soil carbon cycling |
| 09, 2015 – 07, 2018 | Lanzhou University, Lanzhou, China Master student majoring in ecology, focus on soil carbon cycling |
| 09, 2011 – 06, 2015 | Northwest University, Xi'an, China Undergraduate student majoring in bioscience, focus on botany |

Publications

- **Song, X.**, Fang, C., Yuan, Z. Q., & Li, F. M. (2021). Long-term growth of alfalfa increased soil organic matter accumulation and nutrient mineralization in a semi-arid environment. *Frontiers in Environmental Science*, 9.
- Yuan, Z. Q., Wu, Q. B., **Song, X.**, Jiang, X. J., & Li, G. Y. (2020). Pasture degradation impact on soil carbon and nitrogen fractions of alpine meadow in a Tibetan permafrost region. *Journal of Soils and Sediments*, 20(2).
- Huang, F. Q., Wei, J. Z., **Song, X.**, Zhang, Y. H., Yang, Q. F., & Kuzyakov, Y., et al. (2021). $\delta^2\text{H}$ and $\delta^{18}\text{O}$ in precipitation and water vapor disentangle seasonal wind directions on the loess plateau. *Sustainability*, 13.
- Kong, M., Jia, Y., Gu, Y.-J., Han, C.-L., **Song, X.**, Shi, X.-Y., Siddique, K. H., Zdruli, P., Zhang, F., and Li, F.-M. (2020). How film mulch increases the corn yield by improving the soil moisture and temperature in the early growing period in a cool, semi-arid area. *Agronomy*, 10(1195).
- Fang, C., Ke, W., Campioli, M., Pei, J., Yuan, Z., **Song, X.**, Ye, J. S., Li, F.M., Janssens, I. A. J. (2020). Unaltered soil microbial community composition, but decreased metabolic activity in a semiarid grassland after two years of passive experimental warming. *Ecology and Evolution*, 10.
- Han, Y., Wei, M., Shi, X., Wang, D., Zhang, X., Zhao, Y., Kong, M., **Song, X.**, Xie, Z., and Li, F. M. (2020). Effects of tensile stress and soil burial on mechanical and chemical degradation potential of agricultural plastic films. *Sustainability*, 12, 7985.
- Zhang, X. L., Zhao, Y., Gao, W., **Song, X.**, and Li, F. M. (2021). Converting alfalfa pasture into annual cropland achieved high productivity and zero loss of soil organic carbon in a semiarid area. *Land Degradation & Development* 32, 1478-1486.

Skills

- Soil and plant nutrient measurement
- Genstat, SPSS (proficiency in statistic analysis)
- Adobe Photoshop
- OriginPro (plotting)