

YANG LIN

Postdoctoral Researcher

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Professional Preparation

- Zhejiang University, China. Biological Sciences. B.Sc. 2007
- University of Alberta. Soil Science. M.Sc. 2010
- University of California, Santa Barbara. Geography. Ph.D. 2015

Recent Appointment

- Postdoctoral Researcher, University of California, Berkeley, 2016-present
- Postdoctoral Researcher, University of California, Santa Barbara, April 2015-December 2015
- Graduate Teaching Assistant and Researcher, University of California, Santa Barbara, 2010-2014

Publications

- Slessarev EW, **Lin Y**, Bingham NL, Johnson JE, Dai Y, Schimel JP, Chadwick OA. Water balance defines a threshold in soil pH at the global scale. In review.
- Adair CE, Parton WJ, King JY, Brandt LA, and **Lin Y**. Accounting for photodegradation dramatically improves prediction of carbon and nitrogen losses in arid systems. In revision.
- Lin Y**, Prentice SE, Tran T, Bingham NL, King JY, and Chadwick OA. (2016) Modeling deep soil properties on California grassland hillslopes using LiDAR digital elevation models. *Geoderma Regional* 7, 67–75.
- Xu X, Shi Z, Chen XC, **Lin Y**, Niu SL, Jiang LF, Luo RS, and Luo YQ. (2016) Unchanged carbon balance driven by equivalent responses of production and respiration to climate change in a mixed grass prairie. *Global Change Biology* 22, 1857-1866.
- Lin Y**, King JY, Karlen SD, and Ralph J. (2015) Using 2D NMR spectroscopy to assess effects of UV radiation on cell wall chemistry during litter decomposition. *Biogeochemistry* 125: 427-436.
- Lin Y**, Scarlett RD, and King JY. (2015) Effects of UV photodegradation on subsequent microbial decomposition of *Bromus diandrus* litter. *Plant and Soil* 395: 263-271.
- Lin Y** and King JY. (2014) Effects of UV exposure and position on litter decomposition in a California grassland. *Ecosystems* 17: 158-168.
- Lin Y**, Han G, Zhao M, and Chang SX. (2010) Spatial vegetation patterns as early signs of desertification: a case study of a desert steppe in Inner Mongolia, China. *Landscape Ecology* 25, 1519-1527.
- Wu J, Jiang P, Chang SX, Xu Q, and **Lin Y**. (2010) Dissolved soil organic carbon and nitrogen were affected by conversion of native forests to plantations in subtropical China. *Canadian Journal of Soil Science* 90, 27-36.
- Lin Y**, Hong M, Han G, Zhao M, Bai Y, and Chang SX. (2010) Grazing intensity affected spatial patterns of vegetation and soil fertility in a desert steppe. *Agriculture, Ecosystems and Environment* 138, 282-292.
- Yang X, Pattison S, **Lin Y**, Ikehata K, Lau BLT, Chang SX, and Liu Y. (2009) Agricultural wastes. *Water Environment Research* 81, 1490-1544.

Synergistic Activities

- Received external and internal funding, including NSF Directorate for Biological Sciences, Doctoral Dissertation Improvement Grant (2014, \$19,505); Graduate Division Dissertation Fellowship, University of California, Santa Barbara (2014, \$12,647); as a co-author of a Faculty Research Grant to Dr. Jennifer King, University of California, Santa Barbara (2015, \$6,800)

- Research mentor for undergraduate students: Omar Curiel, Scott Yehl, Rachel Scarlett, Tom Tran, Kana Yamamoto, Keri Opalk, and Sachi Kagaya, all at University of California, Santa Barbara.
- Outreach activities at Alberta Virtual Classroom Program, Geography Awareness Week, and Science Education Volunteer at Pleasanton Unified School District.
- Academic Referee (20+): *Biogeosciences Discussion, Canadian Journal of Soil Science, Ecology and Evolution, Ecosystems, Global Change Biology, Journal of Arid Environments, Journal of Ecology, Journal of Plant Ecology, Journal of Soils and Sediments, Landscape Ecology, PeerJ, Plant and Soil, Proceedings of the National Academy of Sciences, Remote Sensing, and Soil Biology & Biochemistry.*