Curriculum Vitae

Personal Information

Name: **Yao Zhang**
Gender: Male
Date of Birth: 12/01/1986
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Address: Department of Soil and Crop Sciences, Colorado State University, Fort Collins, CO 80523
Current position: Postdoc fellow in Department of Soil and Crop Sciences at Colorado State University

Educational Background

Bachelor of Science in Grass Science,
Shandong Agricultural University, Shandong, China, July 2009

Master of Science in Horticulture,
Colorado State University, CO, USA, Fall 2012

PhD of Science in soil and crop sciences
Colorado State University, CO, USA, summer 2016

Academic Honors

American Society for Horticultural Science:
2012 Annual Conference traveling grant for graduate student 2012

American Society of Agronomy * Crop Science Society of America * Soil Science Society of America:
2012 Annual Conference traveling grant for graduate student 2012

American Society of Agronomy:
2014 Annual Conference Graduate Student Poster Competition 1st place of the Evapotranspiration Measurement & Modeling Community 2014

Association of Chinese Soil & Plant Scientists in North America (ACSPSNA): Excellent Graduate Award 2014

Publications

Robertson, A.D., Y. Zhang, L.A. Sherrod, S.T. Rosenzweig, L. Ma, L. Ahuja, et al. 2017. Climate Change Impacts on Yields and Soil Carbon in Row Crop Dryland Agriculture. Journal of Environmental Quality.

Zhang, Y., A. Suyker and K. Paustian. 2018. Improved crop canopy and water balance dynamics for agroecosystem modeling using DayCent. Agronomy Journal 110: 1–14.

Dozier A., Arabi, M., Wostoupal B., Goemans, C., Zhang Y. and Keith P. 2017. Declining agricultural production in rapidly urbanizing semi-arid regions: Policy tradeoffs and sustainability indicators. Environmental Research Letters

Dozier, A.Q., David, O., Arabi, M., Lloyd, W. and Zhang, Y., 2016. A minimally invasive model data passing interface for integrating legacy environmental system models. Environmental Modelling & Software, 80, pp.265-280.

Zhang, Y., Y. Qian, B. Mecham, and W. Parton. 2013. Development of Best Turfgrass Management Practices Using the DAYCENT Model. Agron. J. 105, 1151-1159.

Zhang, Y., Y. Qian, D.J. Bremer, and J.P. Kaye. 2013. Simulation of Nitrous Oxide Emissions and Estimation of Global Warming Potential in Turfgrass Systems Using the DAYCENT Model. J. Environ. Qual. 42, 1100-1108.

Conference Presentations

Zhang Y., E. Marx, S. Williams, R. Gurung, S. Ogle, R. Horton, D. Bader, and K. Paustian. Management Adaptation and Practice Changes Using Current Available Technology Mitigate CO2 Emissions from Agricultural Soil in US Corn Belt Under Climate Change. ASA-CSSA-SSSA Annual Meetings 2017. Tampa, FL. Oct. 22-25, 2017.

Abstract: Zhang, Y., A. Dozier, M. Arabi, and K. Paustian. Enhanced DayCent Modeling Tool for Characterizing Deficit Irrigation in the SPRB. UCOWR/NIWR Conference 2017. June 13-15, 2017.

Abstract: Fujisaki, K., M. Martin, Y. Zhang, M. Bernoux, and L. Chapuis-Lardy. Evaluaton of the DayCent model to predict carbon fluxes in French crop sites. European Geosciences Union General Assembly 2017. Vienna, Austria. April, 23–28, 2017.

Abstract: Ogle, S., K. Paustian, Y. Zhang, J. Kent, R. Gurung, and R. Klotz Current and Projected Carbon Dynamics in US Agricultural Systems. AGU Fall Meeting 2016. San Francisco, Dec. 12-16, 2016

Abstract: Zhang, Y., A. Dozier, M. Arabi, and K. Paustian. Decision Support Tools to Adapt Semi-Arid Irrigated Cropping Systems to Drought. ASA-CSSA-SSSA Annual Meetings 2016. Phoenix, AZ. Nov. 6-9, 2016.

Abstract: Zhang, Y., N. Hansen, T. Trout, D. Nielson and K. Paustian. Modeling Deficit Irrigation of Maize Using the Daycent Model. ASA-CSSA-SSSA Annual Meetings 2015. Minneapolis, MN. Nov. 15-18, 2015.

Abstract: Qian et al., Carbon Sequestration and N_2O Emissions in Urban Turfgrass Systems. ASA-CSSA-SSSA Annual Meetings 2014. Long beach, CA

Abstract: Zhang et al., Testing and Improvement of Water Balance of the DAYCENT Ecosystem Model. ASA-CSSA-SSSA Annual Meetings 2014. Long beach, CA

Abstract: Zhang et al., How Will Kentucky Bluegrass Turf Respond to Global Climate Change? -Results from Ecosystem Modeling. International Horticultural Congress 2014. South Brisbane QLD, AUSTRALIA

Abstract: Zhang et al., Simulation of N2O Emissions From Two Cool Season Turfgrass Lawns Using the Daycent Model. ASA-CSSA-SSSA Annual Meetings 2012. Cincinnati, OH

Abstract: Zhang et al., Development of Best Turfgrass Management Practices Using Daycent Model. ASA-CSSA-SSSA Annual Meetings 2012.

Cincinnati, OH

Abstract: Zhang et al., Development of Best Turfgrass Management Practices Using Daycent Model, ASHS Annual Meetings 2012. Miami， FA

Certificates

Certificate of Completion of Responsible Conduct of Research Training
At-Risk for University & College Faculty
Sexual Harassment Prevention for Student Employees
In the process of getting: Graduate Teaching Certificate of Completion

Teaching Experience

Teaching assistant for Turfgrass Science (HORT 441 at Colorado State University). Fall, 2011

Teaching assistant for Bioenergy Policy, Economics, and Assessment (AGRI 602 at Colorado State University). Spring, 2014