

DAQIAN JIANG, PhD, PE

Assistant Professor
Department of Environmental Engineering
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EDUCATION

2010	Ph.D. Environmental Engineering, University of Connecticut
2015	M.S. Statistics, University of Minnesota
2015	M.S. Science, Technology & Environmental Policy, University of Minnesota
2006	B.S. Environmental Science, Renmin University, Beijing

APPOINTMENTS

2017-present	Assistant Professor, Montana Tech
2015-2017	Associate Research Scientist, Yale University
2017-2017	Research Associate, Colorado School of Mines
2013-2015	Postdoctoral Associate / Graduate Student, University of Minnesota
2011-2013	Postdoctoral Associate, Columbia University

SELECTED PEER-REVIEWED JOURNAL PUBLICATIONS

1. **D. Jiang***, D. Hou, C. Bechtel, K. Zodrow, T. Zhang, R. Myers. (2020). Permeability is the critical factor governing the life cycle environmental performance of drinking water treatment using living filtration membranes. *Environmental Science & Technology*. (ISI-IF: 7.149)
2. J. Chen, L. Tang, WQ. Chen, G. Peaslee, **D. Jiang***. (2020). The flows, stock, and emissions of poly- and perfluoroalkyl substances (PFAS) in California carpet in 2000-2030 under different scenarios. *Environmental Science & Technology*. (ISI-IF: 7.149)
3. T. Brandon, B. Stamps, A. Cummings, T. Zhang, X. Wang, **D. Jiang***. (2020). Poised potential is not an effective strategy to enhance bio-electrochemical denitrification under cyclic substrate limitations. *Science of the Total Environment*. (ISI-IF: 5.589)
4. **D. Jiang***, WQ. Chen*, X. Zeng, L. Tang. (2018). Dynamic stock and flows analysis of Bisphenol A (BPA) in China: 2000-2014. *Environmental Science & Technology*. (ISI-IF: 7.149)
5. **D. Jiang***, WQ. Chen, W. Liu, M. Chertow*. (2017). Inter-sectoral Bisphenol A (BPA) flows in the 2012 Chinese economy. *Environmental Science & Technology*. (ISI-IF: 7.149)
6. A. Ramaswami*, K. Tong, A. Fang, R. Lal, A. Nagpure, Y. Li, Y. Yu, **D. Jiang**, A. Russell, L. Shi, M. Chertow, Y. Wang, S. Wang. (2017). Urban cross-sector actions for deep de-carbonization with local health co-benefits: Insights from China. *Nature Climate Change*. (ISI-IF: 19.304)
7. Zhou*, **D. Jiang**, Z. Zhao. (2017). Quantification of the greenhouse gas emissions from the pre-disposal stage of municipal solid waste management. *Environmental Science & Technology*. (ISI-IF: 7.149)

8. **D. Jiang***, M. Fisher, Z. Huang, N. Kunz. (2017). Identify drivers of China's provincial wastewater reuse outcome using Qualitative Comparative Analysis (QCA). *Journal of Industrial Ecology*. (ISI-IF: 4.826)
9. Z. Huang, L. Lu, **D. Jiang**, D. Xing*, Z. Ren*. (2017). Electrochemical hythane production for renewable energy storage and biogas upgrading. *Applied Energy*. (ISI-IF: 8.426)
10. **D. Jiang**, W. Khunjar (equal contribution)*, S. Murthy, B. Wett, K. Chandran*. (2015). Characterizing the metabolic tradeoff that occurs in *Nitrosomonas europaea* in response to changes in inorganic carbon supply. *Environmental Science and Technology*. (ISI-IF: 7.149)

*Corresponding author. ___ Advisee.

ADVISING

Postdoctoral scholars:

2020- Dr. Jun-Gyu Park

M.S. Students with Thesis:

2019 Taymee Brandon (currently a PhD student at Purdue University)

2020 Jinjin Chen (currently a PhD student at Princeton University)

2021 Regie Hill (Expected)

2021 Kile Denny (Expected)

2021 Justin Ortgies (Expected)

TEACHING

Montana Tech (2017-Present)

Spring	EENV403	Water and Wastewater Treatment
	EENV507	Advanced Biological Wastewater Treatment
Fall	EENV445	Hazardous Waste Engineering
	EENV425 (491)	Systems Approach to Industrial Ecology

SELECTED CONFERENCE AND WORKSHOP PARTICIPATIONS

2020	2020 International Conference on Resource Sustainability, Dublin, Ireland (postponed for COVID-19).
	National Conferences on Undergraduate Research, Bozeman, USA (cancelled for COVID-19).
2019	AGU Annual Meeting, San Francisco, USA.
	ISMET Biennial Conference, Okinawa, Japan.
	ACS National Meeting, San Diego, USA.
	Biennial Conference, International Society of Industrial Ecology, Beijing, China.
	Advancing A Circular Water Economy Workshop, University of Minnesota, USA.
2018	WEFTEC, New Orleans, USA.
	SETAC North America, Sacramento, USA.

PROFESSIONAL REGISTRATION

Professional Engineer (Montana, License # PEL-PE-LIC-62811)