

While I remain interested in environmental engineering problems and sustainability issues, especially those related to water and waste, I am not actively seeking either research funding or graduate students. If you are an undergraduate student, please send me an e-mail. If you are a potential graduate student, visit <https://www.uwyo.edu/uwgrad/prospective/applying/index.html> and follow the steps provided there.

My current doctoral student, Zeinab Akbarishahabi, is completing her dissertation on microbial fuel cells. I am looking forward to her final defense soon (Summer 2024).

If you have difficulty tracking down a paper in the list below that is of interest to you, please send me an e-mail.

**Journal Papers Published and In Press** (62 total, students in bold)

**Larson, J.A.**, and D. M. Bagley. 2022. Sessile and planktonic microbial taxonomy of a methanogenic cellulolytic enrichment reactor sourced from the organic fraction of municipal solid waste. *Journal of Environmental Engineering*, ASCE, 148(4), Apr 2022, [https://doi.org/10.1061/\(ASCE\)EE.1943-7870.0001978](https://doi.org/10.1061/(ASCE)EE.1943-7870.0001978).

Huang, Z., F. Liu, M. Tang, Y. Gao, D.M. Bagley, X. Hin, A. Goroncy and M. Fan. 2022. Removal of ions from produced water using Powder River Basin coal. *International Journal of Coal Science & Technology*, 9(1), 17 Feb 2022, <https://doi.org/10.1007/s40789-022-00477-1>.

Huang, Z., X. He, C. Nye, D.M. Bagley, M. Urynowicz, and M. Fan. 2021. Anaerobic treatment of produced water from petroleum production using an anaerobic digestion inoculum from a brewery wastewater treatment facility. *Journal of Hazardous Materials*, 407, 5 Apr 2021, <https://doi.org/10.1016/j.jhazmat.2020.124348>.

Zhang, J., Z. Wang, L. Chu, R. Chen, C. Zhang, S. Toan, D.M. Bagley, J. Sun, S. Dong, and M. Fan. 2021. Unified photoelectrocatalytic microbial fuel cell harnessing 3D binder-free photocathode for simultaneous power generation and dual pollutant removal. *Journal of Power Sources*, 481, 1 Jan 2021, <https://doi.org/10.1016/j.jpowsour.2020.229133>

Song, X., Y. Wu, X. He, D.M. Bagley, H. Adidharma, W. Wang, and M. Fan. 2021. Performance and characteristics of continuous, fluidized bed pyrolysis of reed black liquor. *Separation and Purification Technology*, 254, 1 Jan 2021, <https://doi.org/10.1016/j.seppur.2020.117573>

Dong, S., L. Cui, Y. Tian, L. Xia, Y. Wu, J. Yu, D.M. Bagley, J. Sun, and M. Fan. 2020. A novel and high-performance double Z-scheme photocatalyst ZnO-SnO<sub>2</sub>-Zn<sub>2</sub>SnO<sub>4</sub> for effective removal of biological toxicity of antibiotics. *Journal of Hazardous Materials*, 399, 15 Nov 2020. <https://doi.org/10.1016/j.jhazmat.2020.123017>

Jacobson, A., D.M. Bagley, J. Dewey, and M. Fan. 2020. Titanium Oxyhydroxide – A new effective candidate for resolving the challenging water quality issue of high alkalinity. *J. Environ. Chem. Eng.*, 8(5) Oct. 2020. <https://doi.org/10.1016/j.jece.2020.104447>

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- Sadmani, A.H.M.A.**, R. C. Andrews, D. M. Bagley. 2014. Influence of Naturally Occurring Dissolved Organic Matter, Colloids, and Cations on Nanofiltration of Pharmaceutically Active and Endocrine Disrupting Compounds. *Chemosphere*, 117:170-177.
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