

# Stanford

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## Cherie DeVore

Postdoctoral Scholar, Earth System Science

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### Bio

#### HONORS AND AWARDS

- Earth Science Postdoctoral Fellowship, National Science Foundation (08/01/2020)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of New Mexico (2020)
- Master of Science, University of New Mexico (2015)
- Bachelor of Science, University of New Mexico (2012)
- Ph.D., University of New Mexico , Civil and Environmental Engineering (2020)

#### STANFORD ADVISORS

- Scott Fendorf, Postdoctoral Faculty Sponsor

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### Research & Scholarship

#### LAB AFFILIATIONS

- Scott Fendorf (12/18/2020)

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### Publications

#### PUBLICATIONS

- **Arsenic Accumulation in Hydroponically Grown *Schizachyrium scoparium* (Little Bluestem) Amended with Root-Colonizing Endophytes.** *ACS earth & space chemistry*  
DeVore, C. L., Hayek, E. E., Busch, T., Long, B., Mann, M., Rudgers, J. A., Ali, A. S., Howard, T., Spilde, M. N., Brearley, A., Ducheneaux, C., Cerrato, J. M. 2021; 5 (6): 1278-1287
- **Arsenic Accumulation in Hydroponically Grown *Schizachyrium scoparium* (Little Bluestem) Amended with Root-Colonizing Endophytes** *ACS EARTH AND SPACE CHEMISTRY*  
DeVore, C. L., El Hayek, E., Busch, T., Long, B., Mann, M., Rudgers, J. A., Ali, A. S., Howard, T., Spilde, M. N., Brearley, A., Ducheneaux, C., Cerrato, J. M. 2021; 5 (6): 1278-1287
- **Emerging investigator series: entrapment of uranium-phosphorus nanocrystals inside root cells of *Tamarix* plants from a mine waste site.** *Environmental science. Processes & impacts*  
Rodriguez-Freire, L. n., DeVore, C. L., El Hayek, E. n., Berti, D. n., Ali, A. S., Lezama Pacheco, J. S., Blake, J. M., Spilde, M. N., Brearley, A. J., Artyushkova, K. n., Cerrato, J. M. 2020
- **Effect of bicarbonate and phosphate on arsenic release from mining-impacted sediments in the Cheyenne River watershed, South Dakota, USA** *ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS*

DeVore, C. L., Rodriguez-Freire, L., Mehdi-Ali, A., Ducheneaux, C., Artyushkova, K., Zhou, Z., Latta, D. E., Lueth, V. W., Gonzales, M., Lewis, J., Cerrato, J. M. 2019; 21 (3): 456–68

● **Effect of Calcium on the Bioavailability of Dissolved Uranium(VI) in Plant Roots under Circumneutral pH** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*

El Hayek, E., Torres, C., Rodriguez-Freire, L., Blake, J. M., De Vore, C. L., Brearley, A. J., Spilde, M. N., Cabaniss, S., Ali, A. S., Cerrato, J. M. 2018; 52 (22): 13089–98

● **Uranium mobility and accumulation along the Rio Paguete, Jackpile Mine in Laguna Pueblo, NM** *ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS*

Blake, J. M., De Vore, C. L., Avasarala, S., Ali, A., Roldan, C., Bowers, F., Spilde, M. N., Artyushkova, K., Kirk, M. F., Peterson, E., Rodriguez-Freire, L., Cerrato, J. M.

2017; 19 (4): 605–21