Stanford

Lorelay Mendoza Grijalva

- Ph.D. Student in Civil and Environmental Engineering, admitted Autumn 2019
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Bio

BIO

Lorelay is an environmental engineering PhD candidate working in the Tarpeh lab at Stanford University. Her research is centered around recovering valuable resources from wastewater and other pollution streams. She earned her undergraduate degree at San Diego State University, where her research focused on detecting river water contamination during storm events.

EDUCATION AND CERTIFICATIONS

- M.S., Stanford University , Civil and Environmental Engineering
- B.S., San Diego State University , Civil, Construction, and Environmental Engineering

Publications

PUBLICATIONS

- **Diurnal Variability of SARS-CoV-2 RNA Concentrations in Hourly Grab Samples of Wastewater Influent during Low COVID-19 Incidence.** *ACS ES&T water*
  Mendoza Grijalva, L., Brown, B., Cauble, A., Tarpeh, W. A.
  2022; 2 (11): 2125-33
- **Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
  McClary-Gutierrez, J. S., Aanderud, Z. T., Al-faliti, M., Duvallet, C., Gonzalez, R., Guzman, J., Holm, R. H., Jahne, M. A., Kantor, R. S., Katsivelis, P., Kuhn, K., Langan, L. M., Mansfeldt, et al
  2021
- **SARS-CoV-2 RNA in Wastewater Settled Solids Is Associated with COVID-19 Cases in a Large Urban Sewershed.** *Environmental science & technology*
  Graham, K. E., Loeb, S. K., Wolfe, M. K., Catoe, D., Sinnott-Armstrong, N., Kim, S., Yamahara, K. M., Sassoubre, L. M., Mendoza Grijalva, L. M., Roldan-Hernandez, L., Langenfeld, K., Wigginton, K. R., Boehm, et al
  2020
- **Fluorescence-based monitoring of anthropogenic pollutant inputs to an urban stream in Southern California, USA.** *The Science of the total environment*
  Mendoza, L. M., Mladenov, N., Kinoshita, A. M., Pinongcos, F., Verbyla, M. E., Gersberg, R.
  2020; 718: 137206