

Stanford



Samuel N Araya

Postdoctoral Research Fellow, Earth System Science

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Merced (2019)
- Master of Science, University of California Merced (2014)
- Bachelor of Science, Asmara University (2007)

STANFORD ADVISORS

- Scott Fendorf, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Using Machine Learning for Prediction of Saturated Hydraulic Conductivity and Its Sensitivity to Soil Structural Perturbations** *Water Resources Research*
Araya, S. N., Ghezzehei, T. A.
2019; 55 (7): 5715-5737
- **Thermal alteration of soil organic matter properties: a systematic study to infer response of Sierra Nevada climosequence soils to forest fires** *SOIL*
Araya, S. N., Fogel, M. L., Berhe, A.
2017; 3 (1): 31-44
- **Thermal alteration of soil physico-chemical properties: a systematic study to infer response of Sierra Nevada climosequence soils to forest fires** *SOIL*
Araya, S. N., Meding, M., Berhe, A.
2016; 2 (3): 351-66
- **Soil Erosion Controls on Biogeochemical Cycling of Carbon and Nitrogen** *Nature Knowledge*
Berhe, A. A., Arnold, C., Stacy, E., Lever, R., McCroble, E., Araya, S.
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