Sustainability Seminar Series

Sustainability Seminar Series, 2019

Sep 24th, 4:00 PM - Sep 23rd, 5:00 PM

Ferrate: a novel water treatment input

Joseph Goodwill
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MONTCLAIR STATE UNIVERSITY

The Doctoral Program in Environmental Science & Management and MSU Sustainability Seminar Series Present:

Ferrate: a novel water treatment input

WHEN: September 24, 4:00 pm WHERE: CELS 120 lecture hall

Joseph Goodwill, PhD, PE, LEED-AP
University of Rhode Island

Dr. Goodwill is an Assistant Professor of Environmental Engineering at the University of Rhode Island, in the Department of Civil & Environmental Engineering. In that position he executes research, teaching, and service focused on strengthening water systems. He has also worked as a consulting engineer, and volunteer on international water development projects.

Advanced oxidation processes (AOPs) are effective at transforming recalcitrant organic water pollutants. However, most AOPs require relatively complex and capital intensive auxiliary systems to generate radicals. Ferrate ($Fe(VI)$) is a strong oxidant that affords an operational simplicity that some utilities require. This presentation will provide an overview of $Fe(VI)$ technology, and recent results of an ongoing study focused on $Fe(VI)$ and water reuse.

For more information contact Dr. Deng at dengy@montclair.edu