



Sudeep Popat, Ph.D.
Assistant Professor, Department of Environmental Engineering and Earth Sciences

- Has been at Clemson since 2016.
- Primary research interests lie in the field of environmental biotechnology, with a specific recent focus on anaerobic technologies for sustainable wastewater treatment.

Prior to his appointment at Clemson, Dr. Popat spent six years in the Swette Center for Environmental Biotechnology at the Biodesign Institute of Arizona State University. Dr. Popat has a Ph.D. in Chemical and Environmental Engineering from the University of California, Riverside, in 2010.

Dr. Popat's primary research interests lie in the field of environmental biotechnology, with a specific recent focus on anaerobic technologies for sustainable wastewater treatment. One of these technologies is the microbial electrochemical cell platform, within which Dr. Popat has focused on several fundamental and applied aspects in the past few years. Most notably, Dr. Popat uses a combination of Chemical and Process Engineering principles, knowledge of electrochemistry concepts and use of electroanalytical techniques, and the application of molecular microbial tools, to study and improve microbial electrochemical cells for energy and resource recovery from domestic and industrial wastewaters. Another area of active interest is anaerobic co-digestion of sludge with other organic waste. Dr. Popat's prior work also includes research in the areas of reductive dehalogenation of chlorinated ethenes, anaerobic digestion of municipal sludge, and gas-phase bioreactors for waste gas treatment and air pollution control. Dr. Popat's research has resulted in >20 peer-reviewed publications.

Visit Dr. Popat's [faculty page](#).



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