POSTDOCTORAL ASSOCIATE

Posting ID: EM1981155F
Company: Stony Brook University
Position Type: Full-Time
College Major(s): Civil Engineering (CEE)

Company Website: https://www.stonybrook.edu/
Work Location: Stony Brook, NY
Salary: $47,500 - $55,000
College Level(s): PhD. Student, Alumni

OVERVIEW

The Center for Clean Water Technology (CCWT) at Stony Brook University seeks a highly motivated Postdoctoral Associate to perform research in the treatment of poly- and perfluoroalkyl substances (PFAS) and other emerging contaminants in drinking water. The qualified candidate should have an interest and previous research experience in water treatment (adsorption, advanced oxidation processes, etc.). The successful candidate will design and implement bench and/or pilot-scale experiments to evaluate existing (e.g. GAC, ion-exchange) and other novel (electron beam) treatment techniques for removal of PFAS and other emerging contaminants. This collaborative project will require the successful candidate to work closely with researchers from National Laboratories, U.S. Environmental Protection Agency, and New York State Department of Health & Department of Environmental Conservation. The candidate must have the ability to work in a multidisciplinary team environment.

Roles and Responsibilities
The Postdoctoral Associate will work under the supervision of the Center’s Associate Director. Specific tasks include:
Under the supervision of the Center’s Associate Director, design and implementation of bench and/or pilot-scale experiments;
Literature review and analysis of existing and emerging technologies for addressing targeted CECs;
Sample collection, preparation, and analysis;
Method development
Prepare manuscripts for publication in peer-reviewed scientific journals and/or presentation to report on the outcomes of the research.
Other duties as assigned

Education and Qualifications
Ph.D. (or foreign equivalent).

Preferred Skills
Ph.D. (or foreign equivalent) in Environmental Engineering, Chemistry, or a closely related
Research experience in the treatment of emerging contaminants such as poly- and perfluoroalkyl substances (PFAS). One (1) or more first-authored peer-reviewed publication. Experience in the assessment of byproduct formation pathways. Experience working with analytical instruments to detect emerging contaminants (LC-MS/MS, GC-MS, etc.).

How to Apply
https://stonybrooku.taleo.net/careersection/2/jobdetail.ftl?job=1903260&tz=GMT-04%3A00&tzname=America%2FNew_York