



Post-doctoral Position in Mass Spectrometry for Environmental Engineering

Applications are invited for a postdoctoral researcher position in the Department of Civil and Environmental Engineering at The University of Vermont (<https://www.uvm.edu/cems/cee>). The successful candidate will conduct mass spectrometry analyses to support research on the environmental fate and health effects of emerging organic contaminants in air and water systems under the supervision of professors Raju Badireddy and Britt Holmén. The post-doc will contribute to a team that is undertaking investigations at the air/water-health nexus. On-going projects include the characterization and quantification of organic substances in biodiesel emissions, and characterization and remediation of per- and poly-fluoroalkyl substances (PFASs) in air and water systems. The successful candidate may also pursue related topics of specific interest to advance understanding of organic contaminant environmental behavior and their human health effects.

Required qualifications for this position are a Ph.D. in environmental engineering, analytical chemistry, or a closely related field, prior research experience in chromatography and mass spectrometry, specifically LC-MS/MS or GC-MS/MS, atmospheric or aquatic chemistry, and strong written and oral communication skills. Preference will be given to candidates with hands-on experience in mass spectrometry and an established record of high research productivity.

Successful candidate will conduct independent interdisciplinary research on fate and toxicity of emerging organic contaminants in air/water systems. Additional responsibilities of the successful candidate include: operational support of mass spectrometry instrumentation using established protocols, sample preparation and analysis, mass spectral data interpretation, and trouble-shooting the instruments as necessary. **The position is anticipated to begin on May 01, 2018**, for duration of one year, with possibility of extension to a second year, depending on satisfactory performance and

funding availability. Review of applications will continue until the position is filled. Interested candidates should provide an application package containing: (i) a cover letter addressing the candidate's expertise in chromatography and mass spectrometry and organic contaminant analysis, (2) a CV with a list of at least two references; and (3) up to two relevant research papers, published or under review in peer-reviewed journals. Application package and inquiries should be submitted to Dr. Raju Badireddy (raju.badireddy@uvm.edu) or Dr. Britt Holmén (bholmen@uvm.edu). Review of applications will begin immediately and continue until the position is filled.

