

Two PhD Research Assistantship (2014 Fall):

The Biogeochemistry and Environmental Quality Research Group (<http://people.clemson.edu/~ACHOW/>) at Baruch Institute of Coastal Ecology & Forest Sciences, Clemson University is seeking two highly motivated PhD students to participate in projects to examine the impacts of forest fire on source water quality.

The project will combine intensive field and laboratory studies to understand the contribution of forest fires on polycyclic aromatic hydrocarbon (PAH) and dissolved black carbon (DBC), and the way in which the interacting photochemical and biogeochemical processes occurring near the water surface impact the disinfection byproduct (DBP) formation during drinking water treatments. In addition to field sampling and chemical analyses, the PhD students will conduct watershed studies focusing on the loads and yields of PAH, DBC, and DBP precursors from managed and unmanaged forests in South Carolina's Francis Marion National Forest.

We are particularly interested in applicants with experience in field sampling and quantitative chemical analysis. The successful candidate will work at the Baruch Institute of Coastal Ecology & Forest Sciences, Georgetown, South Carolina (<http://www.clemson.edu/public/rec/baruch/>). It is a research experimental station of Clemson University near Myrtle Beach SC and includes a diverse team of hydrologists, wildlife biologists, ecologists, and environmental engineers.

Applicants with degrees in any field of chemistry, environmental science, or engineering are welcome to apply. For further information regarding this position please contact Dr. Alex Chow through email at *achow@clemson.edu* <achow@clemson.edu>