

Ph.D. Research Assistantship in Mineral-Water Interface Geochemistry.
M.S. Research Assistant in Chemistry/Geochemistry
Georgia State University
Atlanta, Georgia

Two research assistantship positions (1 Ph.D., 1 M.S) are available in the Kabengi research group in the Department of Geosciences at Georgia State University in the area of mineral-water interface geochemistry. The work funded by the Department of Energy – Basic Energy Sciences will focus on studying the energetics of fundamental chemical reactions at solid-solution interfaces. The Kabengi lab has focused particularly on experimental thermodynamics through the utilization and development of flow adsorption microcalorimetry techniques and instrumentation although other relevant techniques (spectroscopy, computational modeling, etc.) will be equally utilized. The work will involve collaborative efforts, and opportunities to travel and work with scientists at the Department of Energy (DOE) National Laboratories

Ph.D. applicants – The work will lead to the degree of Ph.D. in Chemistry with a Geochemistry Specialization, although all coursework and research activities will be in Geosciences. Students interested in a Ph.D. in Chemistry (no Geochemistry Specialization) can elect to go through the Chemistry department (chemistry.gsu.edu) although some coursework requirements may change. Requirements include an M.S. degree in Geosciences, Chemistry (inorganic or analytical chemistry, soil physical chemistry, chemical engineering, etc.), Physics, or any related discipline, as well as strong quantitative, communication and organizational skills, and acceptance into the Ph.D. program. Stipends for Ph.D. candidates are \$22,500 – 25,000 (12 months) plus a full tuition waiver. The preferred start date is August 2017.

M.S. applicants – The work will lead to the degree of M.S in either Geochemistry or Chemistry in either the Geosciences department or Chemistry department at Georgia State University. A dual M.S. option is also available. Requirements include a B.S. in either Chemistry or Geosciences (focus on Geochemistry), competitive GPA and GRE scores, and a strong desire to work at the intersection of environmental chemistry, geochemistry, and analytical chemistry as well as acceptance into the graduate program. The research assistantship included a full tuition waiver and an annual stipend of \$12,500 - 15,000 per year. The preferred start date is August 2017.

Georgia State University is a research intensive university in the dynamic heart of downtown Atlanta. Interested candidates should send a cover letter, CV, GRE and TOEFL (international students) scores, and transcripts (unofficial copy OK) via email to: Nadine Kabengi at Kabengi@gsu.edu. Any inquiries and/or to learn more about the work, the opportunity or GSU should also be sent to the email above.