

Faculty Member Contact Information

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Contact Info	
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Department	Environmental Sciences

1 Unfunded URCA Assistant(s)

Are you willing to work with students from outside of your discipline? If yes, which other disciplines?

- Yes

How many hours per week will your student(s) be required to work in this position?
(Minimum is 6 hours per week; typical is 9)

- 9

Will it be possible for your student(s) to earn course credit?

- No

Location of research/creative activities:

- Department of Environmental Sciences, Science West, Lab SW 2105

Brief description of the nature of the research/creative activity?

- My research is at the interface of environmental nanotechnology and chemistry. We focus on the synthesis, characterization and applications of organic matter-induced nanomaterials, including silver and gold nanoparticles. We also explore the potential of other model organic compounds as reducing and stabilizing agents.

Brief description of student responsibilities?

- The student will learn to clean glassware, prepare buffers, and other working solutions. Other responsibilities will include the synthesis and characterization of nanomaterials using a suite of analytical techniques.

URCA Assistant positions are designed to provide students with *research or creative activities* experience. As such, there should be measurable, appropriate outcome goals. What exactly should your student(s) have learned by the end of this experience?

- The student should be able to distinguish between engineered nanoparticles and naturally occurring nanoparticles. The student should be able to synthesize, characterize, and determine the stability of nanoparticles, and learn about some relevant applications of nanomaterials through hands-on training.

Requirements of Students

If the position(s) require students to be available at certain times each week (as opposed to them being able to set their own hours) please indicate all required days and times:

- n/a

If the location of the research/creative activities involves off campus work, must students provide their own transportation?

- n/a

Must students have taken any prerequisite classes? Please list classes and preferred grades:

- n/a

Other requirements or notes to applicants:

- n/a