

## Ajay Singh Arya

Office:  
Driftmier Engineering Center, Room 220  
University of Georgia  
Athens, GA 30602  
706-542-7801  
asarya@uga.edu

Home:  
175 Oak Drive  
Athens, GA 30605  
706-614-2727

### EDUCATION:

Doctoral Candidate 2011-present  
Department of Microbiology  
University of Georgia, Athens, GA  
3.50/4.00 GPA  
GRE scores: Verbal: 580; Quantitative: 760; Analytical: 4.0

B.S., Chemistry, Microbiology 2007-2011  
University of Florida, Gainesville, FL

B.A., Economics 2007-2011  
University of Florida, Gainesville, FL

### RESEARCH EXPERIENCE

**Graduate Research Assistant** 2011-present  
Dr. Mark Eiteman's Laboratory, Department of Microbiology  
University of Georgia, Athens, GA  
Characterization and identification of levoglucosan metabolizing organisms

**Undergraduate Research Assistant** 2008-2011  
Dr. Peng Jiang's Laboratory, Department of Chemical Engineering  
University of Florida, Gainesville, FL  
Development of non-reflective nano-pyramid coatings  
Generation of novel gold-silica nanoparticles and arrays

### PUBLICATIONS

Arya, A. S., Lee, S. A., Eiteman, M. A. Differential sensitivities of the growth of *Escherichia coli* to acrylate under aerobic and anaerobic conditions and its effect on product formation. *Biotechnol Lett* **35**, 1839-43 (2013).

Linn, N. C., Sun, C. H., Arya, A., Jiang, B. & Jiang, P. Surface-Enhanced Raman Scattering on Periodic Metal Nanotips with Tunable Sharpness. *Nanotechnology* **20**, 225303 (2009).

### MENTORING EXPERIENCE

Mentoring the Scientific Process Fall 2010  
University of Florida, Gainesville, FL  
Science fair mentor for sixth grade student at Westwood Middle School



Outstanding Graduate Teaching Assistant Award April 2014  
Graduate School, University of Georgia, Athens, GA  
Award given in recognition of outstanding instruction and dedication to fulfilling responsibilities as a teaching assistant.

Innovative and Interdisciplinary Research Grant for Doctoral Students May 2012  
Graduate School, University of Georgia, Athens, GA  
A \$1000 research grant to fund interdisciplinary doctoral research at the University of Georgia.

Particle Engineering and Research Center Fellowship Fall 2008 – Spring 2010  
Particle Engineering and Research Center, University of Florida, Gainesville, FL  
A \$1000 fellowship awarded on a per semester basis for the continuation of research in the department.