

**Melissa S. Reeves, Ph.D., Associate Professor, Department of Chemistry  
Publications and Presentations (2008-2017)**

**BOOKS/ BOOK**

7. "Discovery Education Science in the Middle School Curricula via Nanoscience Modules: a component of the project "Minority-Teacher Led Program Partnership Model for Integration of NanoBiotechnology among Research Centers and the K-12 Classroom," Alicia Curry, Michael Curry, Tanjula Petty, Melissa Reeves, and Shaik Jeelani. MSP Annual Meeting, Washington DC Jan 23, 24, 25, 2011.
8. "Tuskegee University Research Experience for Undergraduates Site in Material Science and Engineering." Poster presented at National Engineering Education Conference, Washington, DC, February 2, 2009.
9. "Providing structure for the undergraduate research environment: Introduction to research at Tuskegee University," Kyle R. Willian and Melissa S. Reeves, Oral Presentation at the 20<sup>th</sup> Biennial Conference on Chemical Education, July 31, 2008, Bloomington, IN.
10. "Simulated tensile behavior of graphene-polypropylene nanocomposites," Rozlyn N. Chambliss and Melissa S. Reeves, poster presented at the 225<sup>th</sup> National American Chemical Society Meeting, April 8, 2008, New Orleans, LA.
11. "Computational Study of the phenol-formaldehyde reaction: Reactive intermediates and transition states with salvation," Julaunica A. Tigner and Melissa S. Reeves, poster presented at the 235<sup>th</sup> American Chemical Society National Meeting, April 2008, New Orleans, LA.
12. "Atomistic Simulation of Tensile Behavior of Graphene-Polypropylene Nanocomposites," Rozlyn N. Chambliss and Melissa S. Reeves, Oral Presentation at NOBCChe, March 18, 2008, Philadelphia, PA.

## **OTHER INVITED LECTURES AND WORKSHOP PRESENTATIONS**

1. "Lightastic," Middle School Science Module presented at MSP Workshop, Tuskegee University, February 2014.
2. "New computational physical chemistry experiments: Using POGIL techniques with ab initio and molecular dynamics calculations," Melissa S. Reeves and Robert M. Whitnell, oral presented at the 65<sup>th</sup> Southeast Regional Meeting of the American Chemical Society, Atlanta, GA, Nov. 13-16, 2013.
3. "How do we see DNA?" Middle School Science Module presented at MSP Workshop, Tuskegee University, November 2012.
4. "Twenty Years Later: What Have I Learned," Russell W. Brown Award Speech, Sigma Xi Banquet and Induction Ceremony, Tuskegee, AL, April 11, 2011.
5. "Sixth grade Space Science and Nanoscience," Teacher's Workshop at Kellogg Conference Center, Tuskegee University, Tuskegee, AL, Jan 3, 2011. Sponsored by MSP/START grant, co-presented with Michael Curry and Alicia Curry.
6. "Research Cornucopia: Experiments, molecular simulation, and ab initio calculations," invited sTJop