

Michelle Biology

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PROFILE

Goal oriented professional with strong analytical skills as demonstrated by scientific background. Have strong ability to lead projects and perform exceptionally as a team leader and player. Extensive experience researching the effects of agricultural, forestry, and recreational practices on soil and water resources. Excellent written and communication skills as demonstrated by publications and presentations.

EDUCATION

Master of Science in Biology May 20xx
Appalachian State University, Boone, NC

Bachelor of Science in Chemistry May 20xx
University of North Carolina at Chapel Hill, Chapel Hill, NC

RESEARCH AND FIELD EXPERIENCE

Duke Water Conservation District, Springdale, AR Summer 20xx
Watershed Monitor

- Co-developed a comprehensive water quality and land use survey for the Roanoke River watershed
- Developed landowner database for Roanoke River drainage basin
- Conducted geographical land use assessment of properties within the affected areas and contacted public landowners
- Demonstrated an ability to work both independently and within the group to achieve project goals
- Utilized best practices in survey administration
- Became familiar with water quality parameters, agricultural/urban conservation practices and district remediation projects

Polymer Dynamics Lab, Polytechnic Institute, New Hampton, CT January 20xx-March 20xx
Research Assistant

- Performed and published an analysis of the molecular properties of complex copolymers
- Discovered different types of hydrogen bonds present in these systems and established their structure-property relationships
- Completed an extensive investigation of the influence of nano-sized reinforcements on the dielectric and rheological properties of nanocomposites that consist of block copolymers as a polymer matrix
- Synthesized nanocapsules composed of linear polymer branches and studied their dynamics with loaded small molecules, obtaining significant insights into applications on drug delivery

RELATED EXPERIENCE

Associated Laboratories of America, Stamford, CT

January 20xx-December 20xx

Lab Assistant

- Collaborated with a team of scientists on experiments
- Independently maintained and calibrated lab equipment, ordered supplies for laboratory and monitored inventory

PRESENTATIONS AND PUBLICATIONS

Einstein, Alberta T. and Morgan, Lawrence E.; Catalyst free synthesis of nanofibers using H₂O₂ (Journal of the American Chemical Society (2009 Manuscript accepted).

Einstein, Alberta T. and Franlyn, Melissa B.; NO₂ vapor detection using poly-o-morsines, Sensors and Actuators (2009 Manuscript accepted).

AWARDS/FELLOWSHIPS/GRANTS

Presenter, Consortium for Fossil Fuel Science Annual Meeting, Roanoke, VA

May 20xx

President, ASU Graduate Students Biology Association with responsibilities in the planning, organization, development, and leadership of the association

20xx-20xx

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

Member, American Biological Society (ACS)

20xx-present

Member, Cell Biology Round Table Group

20xx-present