

Mark Jones

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Education

Bachelor of Science in Biology

December 2011

Saginaw Valley State University

- Completed Bachelor of Science in Biology with a minor in chemistry. Coursework in mathematics, genetics, cellular biology, molecular biology, ecology, biochemistry, analytical chemistry, and physics

Technical Experience

Laboratory Technician

March 2012-Present

Dow Corning, Midland, MI

- Perform front end research utilizing various techniques such as high temperature differential scanning calorimetry/thermogravimetric analysis and X-ray diffraction in an ISO 9001 environment following SOPs and SIOPs. Perform other analytical tests needed to get an answer for the issues being investigated. Write technical reports, develop novel methods to perform non-routine analysis, and communicate results of experiments with clients. Perform calibrations as listed in SIOPs, and general instrument maintenance as required. Perform stoichiometric calculations and construct phase diagrams from the data obtained from the HT-DSC. Weigh and prepare samples for other laboratory members as needed. Perform flash point testing using both closed and open cup methods.

Technical Skills

- Physical Properties: HT-DSC, HT-TGA, TGA-FTIR, DSC-GC/MS, TMA, Flash Point, Rheology
- Elemental Analysis: X-ray Diffraction
- Wet Chemistry
- DNA Purification
- DNA Extraction
- Gel Electrophoresis
- Software: LIMS, SAP, Linux OS, Microsoft Office (Word, Outlook, Access, PowerPoint, Excel)

Honors and Activities

- Michigan Merit Competitive Scholarship, 2005
- United States Air Force ROTC Cadet of the Month Nominee, 2007
- Saginaw Township Community Schools Scholarship, 2005
- Michigan Educational Assessment Program Scholarship, 2005
- Survey of Parasites of the Great Lakes Bay Region, 2011
- Zebra Mussel Single Nucleotide Polymorphism Project, 2011
- Great Lakes Bay Region Scientific Symposium Poster Board Presenter, 2011
- Great Lakes Bay Region Ecological Survey, 2011

References

Matthew Gave, PhD
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