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Thesis Defense  
College of Science and Engineering Technology  
Department of Chemistry  
M.Sc. in Chemistry

New Epoxy Functionalized Polymers using Ring Opening Metathesis Polymerization (romp) Available through Post-Polymerization Modifications

Post-polymerization modification (PPM) reactions allow for the enhancement of polymer properties through the customization of primary molecular structure after the initial polymerization process. Our efforts geared toward the modification of new epoxy polymers (EPs) prepared using ring opening metathesis polymerization (ROMP) chemistry. This involved the co-polymerization of cyclooctene and 9-oxabicyclo[6.1.0]non-4-ene with Grubbs 2nd Gen. initiator. This material was subjected PPM reactions with different nucleophiles to provide modified polymers in high yields and conversions.

Event Information
Date - 5th July 2023  
Time - 3.00 pm  
Location – CFS 103

Committee Members
Christopher Hobbs, PhD  
Dustin Gross, PhD  
Meagan Hinze, PhD