

Research Projects (submitted)

1. "The Potential for Water Saving in the Kingdom of Saudi Arabia using Hydrobond Polymers", Abdullah Said Bugshan and Bros., **Co-Investigator**, submitted.
2. "Influence of Hydrophobe Architecture on Self Assembly, Rheology and Interfacial Properties of Amphiphilic ionic Polymers", KFUPM, **Co-Investigator**, submitted.
3. "Development of Highly Conductive Composite Membranes for Medium Temperature PEM Fuel Cell", KFUPM, **Co-Investigator**, submitted
4. "Influence of Tacticity and Mw on the Compatibility of PP/LDPE Blends: Rheological, Thermal, Mechanical, and Molecular Dynamics Simulation Study", **Principal Investigator**, submitted.

Research Projects (In Progress)

5. Synthesis, Thermal, and Rheological Characterization of Composite Membranes for Fuel Cell Applications, KFUPM, Fast Track, **Co-Investigator**, Budget SR75,000 (US\$20,000), April 1, 2002 – February 29, 2004.
6. Investigation of the Influence of Molecular Structure on Molecular Characteristics of metallocene LLDPE by NMR, Light Scattering, DSC, and MD Simulation Techniques, **Principal Investigator**, KACST, October 2003- March 2006, Budget SR 867,000 (US\$231,000).

Research Projects (completed)

1. Investigation of Structure-Conformation Relationships in molten m-Polyethylenes by Rheological and Molecular Simulation Techniques, **Project Manager**, KFUPM-ARI Grant, Budget SR 75,000 (US\$20,000), November 2002 – December 2003.
2. Influence of Molecular Parameters on the Rheology and Miscibility of molten linear low-density polyethylene (LLDPE) in low-density polyethylene (LDPE) and high-density polyethylene (HDPE). KFUPM CGS, **Principal Investigator**, Budget SR 1.3 million (US\$346,000), April 2001-April 2004.
3. A study to improve SABIC Polymers for the Performance Modification of Saudi-Asphalt binders", SABIC, **Co-Investigator**, April 2003- Nov. 2004, Budget SR 240,000 (US\$64,000).