

National Institute of Justice

Award Title: Examining the Effects of Environmental Degradation	
Award Description: This project will examine the effects of environmental degradation on the optical properties of manufactured fibers. This study investigates the effects of such degradation on the optical properties of selected fibers (polylactic acid, azlon, and rayon). Environmental conditions such as exposure to water (saltwater and freshwater), UV light, and hot and cold temperatures will be explored while documenting any change in optical properties. Polarized light microscopy observations including morphology, pleochroism, refractive index, dispersion, birefringence, extinction characteristics, sign of elongation, solubility, and thermal behavior would be monitored throughout two years of exposure to these conditions. ca/ncf	
Awardee Name: McCrone Research Institute	Award Number: 2011-DN-BX-K548
Solicitation Title: NIJ FY 11 Applied Research and Development in Forensic Science for Criminal Justice Purposes	Fiscal Year: 2011
Amount: \$370,539.00	Earmark: No
Recovery Act: No	State/Territory: IL
County: Cook	Congressional District: 07
Award Status: Open	