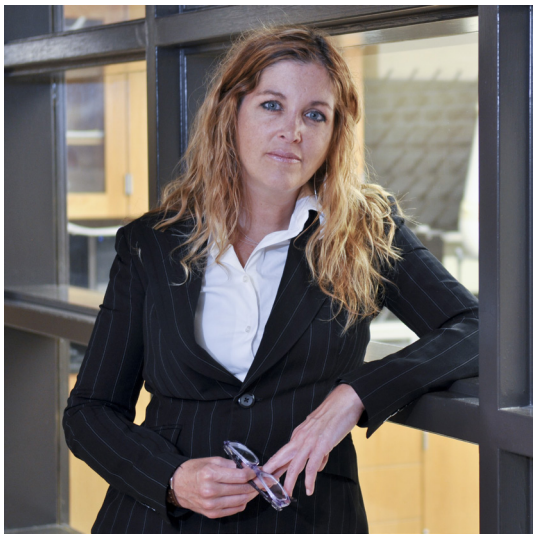
MICHIGAN STATE UNIVERSITY | Department of Chemistry

Cordially invites you to the

Greg L. Baker Memorial Lectureship

Thursday March 18, 2021 (via Zoom)

7:30 PM Eastern Time (US and Canada)
Meeting ID: 928 1167 1295
Passcode: 121410



Professor Karen Wooley

W. T. Doherty-Welch Chair in Chemistry
and
University Distinguished Professor
Texas A&M University
College Station, TX

"Synthetic Strategies by which to Afford Natural Product-Based Polymer Materials: Impacts on Sustainability, Life, Health and the Environment"

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This presentation will highlight synthetic strategies for the development of polymers, block polymers and crosslinked network materials, which can be produced by relatively simple approaches from glucose and can be made to exhibit a range of properties. Target materials are designed for potential applications in diverse areas, from medicine, e.g., as nanotherapeutics or bioresorbable hemostatic agents, to the environment, e.g., as pollutant capture agents, climate resilient hydrogel materials or naturally-degradable plastics. Examples will highlight contributions that polymer chemistry can make toward bulk technological materials that are capable of impacting global needs, such as water-food-energy-health, and the grand challenges that must be solved in the coming decade.

Accommodations for persons with disabilities may be requested by calling the Chemistry Department at (517) 355-9715 Ext. 339, two days prior to the event to ensure sufficient time to make the arrangements. Requests received after this date will be met when possible.