

PUI Sustainable Polymer Education & Research Consortium Workshop

July 18 & 19, 2019 | Augsburg University



Through the support of a University of Minnesota Institute on the Environment Mini-grant and the Minnesota Local ACS Section Innovative Project Grant, a FREE two-day workshop will be offered for higher education chemistry instructors on sustainable polymer curriculum materials. The workshop will be held on the Augsburg University campus. Applicants are welcome from primary undergraduate institutions and associate degree programs.

Applications are due June 17, 2019: <http://bit.ly/PUISustainablePolymersWorkshop>

Participating professors will be introduced to the topic of green and sustainable chemistry in the context of polymers. They will gain hands-on experience with laboratory experiments which model their syntheses, properties, analysis, and mechanical testing. Instructors will be able to choose from a variety of experiments to explore that are suitable for a range of course levels; from introductory to upper-division. Examples of the use of renewable monomers, green reaction conditions, and design for degradation will be shared. Accompanying lesson plans provide a forum for the discussion of the role polymers and plastics play in society, their environmental and human health impact, and strategies for designing more sustainable materials.

Time will be allotted for group discussion, reflection, and assessment of the experiments as well as opportunities for recasting into guided-inquiry experiments or tailoring to individual programs. Participants will be asked to share their own current efforts in incorporating macromolecular topics at their institutions in meeting ACS CPT guidelines. The workshop will serve as a starting point for building a consortium of academics that continue sharing and collaborating on the

creation and implementation of green polymeric curriculum materials. Monthly google hangouts will be opportunities to continue discussion of implementation and research. The meetings will also highlight research of the NSF Center for Sustainable Polymers in the area of sustainable polymers and local industrial efforts. Institutional teams are encouraged to apply. Space is limited so apply today.

Lunch and parking at Augsburg University will be provided. Lunch will be offered each day of the workshop.

For questions please contact Professors Michael Wentzel (wentzelm@augsborg.edu) or Jane Wissinger (jwiss@umn.edu)

