



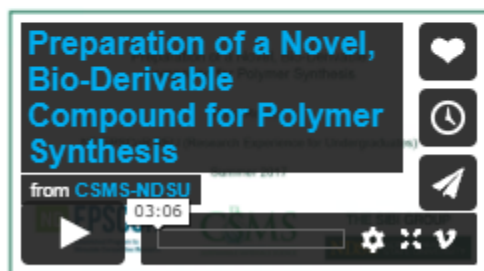
JUNE 18, 2021

CSMS researchers Dr. Mukund Sibi and Dr. Andriy Voronov have CSMS research featured on ACS Sustainable Chemistry and Engineering cover

## Preparation of a Novel, Bio-Derivable Compound for Polymer Synthesis

This video was produced and narrated by Anna Renner, undergraduate student in Dr. Mukund Sibi's Chemistry lab at North Dakota State University.

Posted October 24, 2017



## Use of Bio-based Materials for Medical Applications

This video was produced and narrated by Ruvu Chitemere, graduate student in Dr. Mohiuddin Qadir's Coatings and Polymeric Materials lab at North Dakota State University.

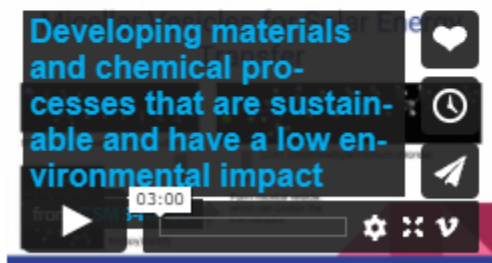
Posted July 28, 2017



## Developing materials and chemical processes that are sustainable and have a low environmental impact

This video was produced and narrated by Andrew Kalbach, graduate student in Dr. Alex Parent's chemistry lab at North Dakota State University.

Posted March 01, 2017



### Study of medicinal plant chemical components via GC-MS and a study of lignin depolymerization

This video was produced and narrated by Audrey LaVallie, Chemistry instructor at Turtle Mountain Community College until September 2016. Audrey is now pursuing a graduate degree at the University of North Dakota.

Posted January 04, 2017



### Synthesizing a 100% biobased polymer

Video produced by Quintin Elliott, participant of CSMS under Dr. Qianli 'Rick' Chu at the University of North Dakota.

Please note, the photo of Dr. Gerhard Schmidt at the 1:35 mark is from Ginsburg, D. (1972), Gerhard M.J. Schmidt 1919-1971.

Isr. J. Chem., 10: 59-65.  
doi:10.1002/ijch.197200012

Posted November 29, 2016



## Sustainable Polymer Biodegradation Using a Microbial Pathway

Video produced by Saul Bobtail Bear and Joshua Silk, students of CSMS researcher Dr. Mafany Mongoh at Sitting Bull College. Other narration provided by Maurianna Silk

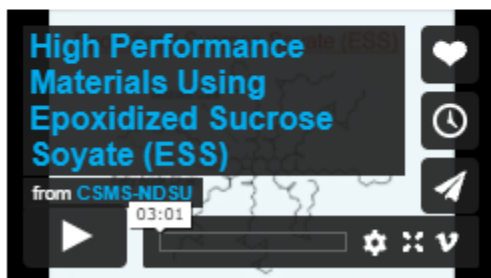
Posted October 25th, 2016



## High Performance Materials Using Epoxidized Sucrose Soyate (ESS)

This video, produced by Dean Webster's CSMS research group at North Dakota State University, is narrated by Graduate students Adlina Paramarta and Arvin Yu and Postdoctoral researcher Ivan Hevus.

Posted September 3, 2016



### Listen to learn about the involvement of CSMS and EPSCoR's NATURE camp

Produced by NDSU Graduate student Catherine Sutton from Dr. Mukund Sibi's CSMS research group.

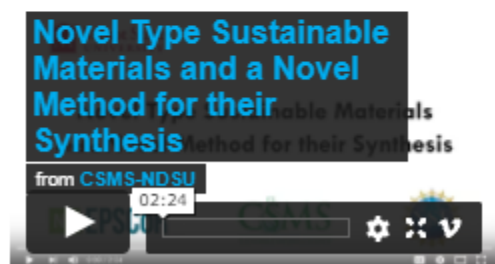
Posted August 18, 2016



### Novel Type Sustainable Materials and a Novel Method for their Synthesis

This video, produced by the Dr. Mikhail Bobylev group at Minot State University, is narrated by Minot State senior Jordan Torgunrud.

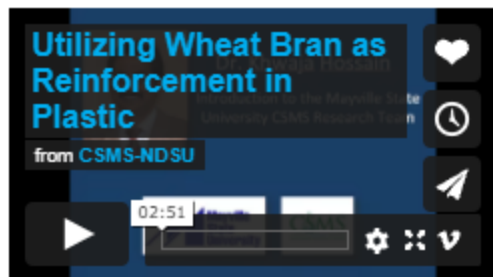
Posted June 27, 2016



### Utilizing Wheat Bran as Reinforcement in Plastic

This video was produced by Mayville State University undergraduate student Alex Johnson and others in Khwaja Hossain's CSMS research group.

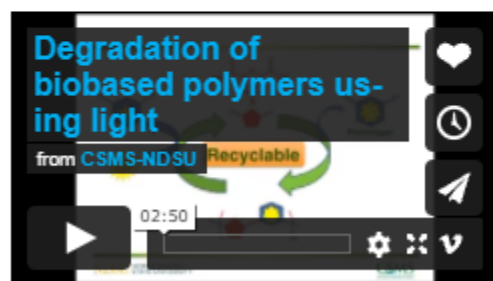
Posted June 9, 2016



### Degradation of biobased polymers using light

This video was produced by North Dakota State University graduate student Ramya Raghunathan

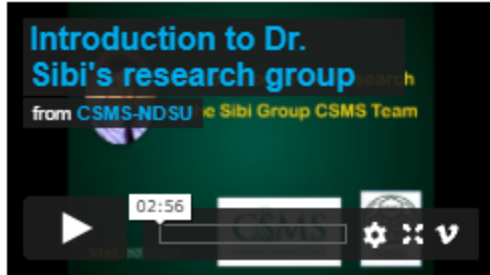
Posted May 2, 2016



### Introduction to Dr. Sibi's research group

This video was produced by North Dakota State University graduate student Krystal Kalliokoski with the help of her CSMS team members.

Posted April 29, 2016



### Flax Fibers for Composites

Produced by Augusto Moreira, undergraduate student from Dr. Chad Ulven's Mechanical Engineering group at North Dakota State University.

Posted April 4, 2016



## Polymers and BioMass Podcast

Produced by Krystal Kalliokoski, graduate student from Dr. Mukund Sibi's Chemistry group at North Dakota State University.

Posted February 19, 2016



## Development of Novel Chiral Catalysts for the Syntheses of Degradable Polymers

Produced by Vamshi Chidara, Graduate student from Dr. Guodong Du's Chemistry research group at the University of North Dakota located in Grand Forks, ND.

Posted February 3, 2016





## Strong and Lightweight Materials (SLIM) from Biomass-Derived Monomers

Produced by Benjamin Miller, undergraduate student from Dr. Qianli Chu's Chemistry group at the University of North Dakota.

Posted December 22, 2015



## Novel Bio-Based Unsaturated Polyesters as Potential Replacements for Currently Used Petroleum-Based Products

Produced by Kyle Kingsley, graduate student from Dr. Bret Chisholm's Coatings and Polymeric Materials group at North Dakota State University.

Posted December 9, 2015

