

Searching for a Project in NIMSS Using Keywords

Go to the [NIMSS](http://nimss.org) website: nimss.org

Type any keyword in the box under **Search NIMSS** and then click **Search**



National Information Management & Support System

Welcome! The National Information Management and Support System (NIMSS) is a web-based application that will allow participants of Multistate Research Projects and Activities to submit proposals and reports online. Interested parties, stakeholders and cooperators can also query the System for relevant and timely information. NIMSS manages Multistate Research and Activities supported by the State Agricultural Experiment Station (SAES) from the Hatch Multistate Research Fund (MRF) provided by the National Institute for Food and Agriculture (NIFA).

Search NIMSS

Sort by Region

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- NRSP (National Research Support Program) ▼

Featured Projects



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Agricultural Safety and Health
Research and Extension



NCRA

NC1100
Land Grant University
Innovation Diffusion
Enhancement

I searched using the keyword **"Biofuel"** and the system came back with 51 results

Click on **View** next to any project that you would like to learn more about.

View Projects

Projects

Your search for "biofuel" returned 51 results

Project #	Project Name	Dates	Options
WDC36	Adaptation, Quality and Management of Sustainable Cellulosic Biofuel Crops in the West	10/01/2015 - 09/30/2016	<input type="button" value="View"/>
WERA_TEMP1016	Adaptation, Quality and Management of Sustainable Cellulosic Biofuel Crops in the West	10/01/2016 - 09/30/2021	<input type="button" value="View"/>
WDC26	Western States Algae Bioproducts and Biotechnology Initiative (WeSABBI)	10/01/2012 - 09/30/2013	<input type="button" value="View"/>
WERA1016	Adaptation, Quality and Management of Sustainable Cellulosic Biofuel Crops in the West	10/01/2010 - 09/30/2015	<input type="button" value="View"/>
NC_TEMP1204	Advancement of Brassica carinata	10/01/2016 - 09/30/2021	<input type="button" value="View"/>
S1054	Biobased Fibrous Materials and Cleaner Technologies for a Sustainable and Environmentally Responsible Textile Industry	01/01/2013 - 09/30/2018	<input type="button" value="View"/>
NCDC215	Cover crops to improve environmental quality in grain and biofuel crop production systems in the Great Lakes and Upper	10/01/2008 - 09/30/2018	<input type="button" value="View"/>

Clicking view on a project will take you to the project outline. There is also a **Project Menu** on the left with sections to learn more about the project.

If you find a project you are interested in joining, please email your department head and CC Julie Estrada (estrada@purdue.edu) a request to join.

Once your request is approved, Julie Estrada will send you instructions on how to complete the Appendix E in NIMSS to officially join the project.

The screenshot shows the NIMSS website interface. The browser address bar displays "nimss.org/projects/view/mrp/outline/14296". The page title is "S1054: Biobased Fibrous Materials and Cleaner Technologies for a Sustainable and Environmentally Responsible Textile Industry". The status is "Active".

Project Menu (highlighted in red):

- Homepage
- Outline
- Appendix E: Participation
- History
- SAES-422 (report and minutes)
- Participants Directory
- Publications
- Photo Album
- Links
- Attachments

Project Information:

- Duration:** 01/01/2013 to 09/30/2018
- Administrative Advisor(s):** Robert Shubstad
- NIFA Reps:** Daniel Cassidy
- Statement of Issues and Justification:**
 - 1.1. Addressing national/regional priorities
 - Developing biobased products is a national priority. The USDA is devoting considerable efforts to promote the use of biobased products. In fact, USDA has a special Biopreferred program that aims to increase the purchase and use of renewable, environmentally friendly biobased products while providing "green" jobs and new markets for farmers, manufacturers, and vendors. Under this program, the USDA lists 11 different categories of products with several different product types in each category. Fibrous materials have been listed to a limited extent and are only included in the carpets and composites sections of the biobased programs. However, fibrous materials can be used to develop a wide range of biobased products that offer substantial benefits to farmers, the economy, biobased product industries and the environment. On a national level, the fibrous biobased products can replace synthetic polymer based materials and help to establish a biobased agricultural industry. Such an industry will rely on indigenously available renewable, abundant and inexpensive agricultural byproducts and coproducts. Such an effort will help to promote the Biopreferred program established by USDA.
 - In addition to adding high value to agricultural byproducts and coproducts, textile materials can help to protect the citizen, agricultural commodities and infrastructure from internal and external biological threats. As part of this research, high performance textiles will be developed that defend public and healthcare personnel from biological hazards, as well as protect fire fighters and first responders from fire hazards. This part of the project will address three key focus areas as identified by The National Strategy for Homeland Security: 1) defending against catastrophic threats (bio-defense); 2) protecting critical public health and safety infrastructures; and 3) domestic counter-terrorism. In addition, this research will study the ability of textile materials to provide protection against healthcare associated infections (HAI) which have recently emerged as a major concern among health care professionals (Vigo, 2001; Liu, 2001).
 - Harvesting farms and enhancing productivity are vital to the economic competitiveness and sustainability of our agricultural crops that is related to the Science Roadmap for Agriculture prepared by the National Association of State Universities and Land-Grant Colleges (NASULGC) and Experiment Station Committee on Organization and Policy (ESCOD). The biodegradable mulches that will be developed in this project will help to protect crops, reduce costs and decrease environmental pollution and achieve the goals set by NASULGC. The work on development and evaluation of eco-friendly meshes for insect control will reduce the use of chemical pesticides and shed light on alternative methods of pest management in our farms.
 - As Earth's population increases, there has been tremendous increase in the demand of fresh water for farming, food preparation and processing, textile production, and daily use, etc. The cost of managing, treating, and delivering fresh water is rising very rapidly. The green seed coatings will provide not only protection from fungal diseases but also reduce the amount of water used. Ecostyle News reported in the 2009 April issue that, globally, the textile industry is a major consumer of fresh water. Ecostyle News reported in the 2009 April issue that, globally, the textile industry is a major consumer of fresh water. Ecostyle News reported in the 2009 April issue that, globally, the textile industry is a major consumer of fresh water. Ecostyle News reported in the 2009 April issue that, globally, the textile industry is a major consumer of fresh water.