

A newsletter dedicated to Advanced Biofuels Educational programs, projects, competitions, scholarships, fellowships, green jobs and more. [Click here to SUBSCRIBE](#)

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*Advanced Biofuels USA, a nonprofit educational organization, advocates for the adoption of advanced biofuels as an energy security, economic development, military flexibility and climate change solution.*



## Featured Story

### Minnesota Bio-Fuels Association--A Model Hands-On Education Resource

If you have been following education posts on the Advanced Biofuels USA website, you have seen many articles about [student visits to biorefineries in Minnesota](#).



The power behind those visits has been the Minnesota Bio-Fuels Association which runs an ethanol plant tour grant program to provide students (and their teachers) with a better understanding of biofuel production. This program should serve as a model for biofuels associations in other states and nationally.

In addition to the tour grants, Minnesota Bio-Fuels Association also provides classroom resources such as renewable fuels lesson plans and module courses from the National Future Farmers of America (FFA), educational videos that were developed with the Minnesota Department of Agriculture, and corn-to-ethanol demonstration kits.

Their goal is to raise teacher and student awareness biofuels through real life and in-person experiences.

Visit the website for more information. [READ MORE](#)

## Educational News and Resources

Scroll down for:

- Teacher Resources
- News about and for Students and Schools (K-12)
- Scholarships, Fellowships, Internships in the US and around the world
- Competitions and Contests
- Executive or Professional Training
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- Green Jobs in the News

Use these links for more information about:

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- [Requests for Speakers, Posters, Presentations](#)
- [Latest News about College/University Research](#)
- Webinars: [Upcoming](#) and [Archived](#)

## Teacher Resources

*Activities, Texts, Books, Services, Conferences, Summer Programs ...*

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### [UniFiji, FSC Discuss Bioethanol Production](#)

September 1, 2017 –by Repeka Nasiko (Fiji Times Online) University of Fiji is in discussion with the Fiji Sugar Corporation on possible research collaboration of bioethanol production.

The research work by the university could become a part of a Master's ...

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### [Renewable Fuels Foundation Publishes Coloring Activity Book, “Fuel Your Future”](#)

August 8, 2017 –(Renewable Fuels Foundation) Get your crayons out! Teach your children or students about the benefits of Ethanol through the RFA’s first ever coloring and activity book! “Fuel Your Future” was designed for the next generation of ...

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### [18th National Conference and Global Forum on Science, Policy, and the Environment — January 23-25, 2018 — Arlington, VA](#)

June 29, 2017 – The Science, Business, and Education of Sustainable Infrastructure: Building Resilience in a Changing World — The 2018 NCSE National Conference and Global Forum on Science, Policy, and the Environment: The Science, Business, and Education of Sustainable ...

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### [3rd National Energy Education Summit — January 22, 2018 — Washington, DC](#)

June 29, 2017 – The purpose of the Summit is to engage energy educators in all sectors, including K-12, higher education and public education in sharing best practices and developing partnerships, in order to expand the impact and effectiveness ...

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Find more [Teacher Resources here](#).

## News about and for Students and Schools (K-12)

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### [ACE Staff, Member Plant Help Educate Youth on Biofuel](#)

August 30, 2017 – (American Coalition for Ethanol/Ethanol Producer Magazine) The American Coalition for Ethanol staff and member plant, Siouxland Ethanol LLC, are partnering with the Northeast Nebraska Corn Growers in their effort to create and increase opportunities for ...

#### [Local Biodiesel Fuels Elon Buses; ABSS' May Be Next](#)

August 11, 2017 – by Jessica Williams (The Times News) ‘The biodiesel that they’re using now is hyperlocal. That’s a very important word. Aramark, Biscuitville, Lowes Foods — you can see it in their marketing. They want to bring ...

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#### [Farm Camp Minnesota Tours Guardian Energy](#)

August 8, 2017 –(Minnesota Bio-Fuels Association) Thirty-one children from Farm Camp Minnesota visited Guardian Energy in Janesville yesterday to get a closer look at homegrown renewable energy production.

Farm Camp Minnesota is an annual program that hosts one-day events in ...

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*For more information about [K-12 activities](#) and [teacher resources](#), click on these topics in the Categories list along the right margin of the [Advanced Biofuels USA website](#). You can also find information on these topics on the [Teacher Resources](#), [For Kids](#) and [Education Resources](#) pages on the site.*

## Scholarships, Fellowships, Internships in the US and around the world

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#### [Argonne Opens Call for Second Cohort of Chain Reaction Innovations](#)

(U.S. Department of Energy/Newswise) Those who are selected for the Chain Reaction Innovations program will gain, among other things, access to Argonne National Laboratory’s world-class R&D infrastructure and technical expertise.

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#### [ACE Scholarship Program Awards Three Deserving Students](#)

(American Coalition for Ethanol) The American Coalition for Ethanol (ACE) announces and congratulates the 2017 scholarship winners: Carrie Kemmet, Hailea DeJong and Keithen Drury. Each student receives a \$1,000 scholarship through ACE’s Scholarship Program to help ...

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#### [Bioenergy Internship & Fellowship Opportunities](#)

(U.S. Department of Energy) The U.S. Department of Energy’s (DOE’s) Bioenergy Technologies Office (BETO) regularly engages interns and fellows in the sciences, engineering, and liberal arts through a variety of internship and fellowship programs, including ...

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#### [Travel Grants for Students to Attend October 29-November 1, 2017 Algae Biomass Summit](#)

(Algae Biomass Organization) The Algae Foundation has announced that it is offering \$500 travel grants for students to attend the 11th Annual Algae Biomass Summit in Salt Lake City, Utah, USA, from October 29 through ...

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#### [Education Internships at Idaho National Laboratory](#)

(Idaho National Laboratory) As a Department of Energy facility, INL offers a diverse number of paid internship positions to high school, undergraduate and graduate level students. These internship opportunities enable students to collaborate with experienced ...

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#### [Association of Commonwealth Universities’ Early Career Academic Grants](#)

Early Career Academic Grants are open to early career academics employed by ACU member universities, enabling them to participate in a conference held in a Commonwealth country other than their own.  
A minimum of 30 grants are on ...

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#### [Research Experience for Undergraduates Summer Program](#)

(Center for Bioplastics and Biocomposites ) Starting with the summer of 2017, the Center for Bioplastics and Biocomposites (CB2), will be establishing a new Research Experience for Undergraduates (REU) site designed to provide undergraduate students ...

The REU program will continue for 3 years, i.e. Summer '17, Summer '18, and Summer '19.

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#### [NIFA Announces \\$3.1 Million in Available Funding to Train the Next Generation of Agricultural Leaders](#)

(U.S. Department of Agriculture) The U.S. Department of Agriculture's (USDA) National Institute of Food and Agriculture (NIFA) today announced the availability of \$3.1 million to train the next generation of agricultural leaders. This funding is ... [NIFA grant website](#)

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#### [Ciba Travel Awards in Green Chemistry](#)

This annual green chemistry award sponsors the participation of students—from high school through graduate school—to attend an American Chemical Society (ACS) technical meeting, conference, or training program, having a significant green chemistry or sustainability component. ...

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[CBMNet Funding Announcements: Includes Undergraduate Vacation Scholarships](#) Various deadlines (Crossing Biological Membranes Network) At CBMNet we foster collaborations between academia and industry to tackle research challenges in Industrial Biotechnology and Bioenergy (IBBE). We are working to understand the mechanisms by which substances are transported into, ...

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[The Young African Leaders Initiative \(YALI\)](#) is a signature effort to invest in the next generation of African leaders. President Obama launched YALI in 2010 to support young African leaders as they spur growth and prosperity, strengthen democratic governance, and enhance peace and security across Africa.

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The [Mandela Washington Fellowship for Young African Leaders](#) brings 500 dynamic young African leaders, ages 25-35, from across the continent to the United States for 6 weeks of leadership training and mentoring at twenty U.S. universities and colleges in three areas: business and entrepreneurship, civic engagement and public administration. In 2014, the Fellows were also hosted in Washington, D.C. for a three-day Presidential Summit featuring a Town Hall with President Obama. Following their in-depth academic coursework and leadership training, some Fellows remained in the United States to participate in eight-week professional internships with American NGOs, private companies, and governmental offices. Selected from nearly 50,000 applications, participants in the 2014 Mandela Washington Fellowship for Young African Leaders represent the extraordinary promise of an emerging generation of entrepreneurs,

activists, and public officials. Upon returning to their home countries, the Fellows have access to professional development opportunities, mentoring, networking and training, and seed funding to support their ideas, businesses, and organizations.

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For more information about [Scholarships and Fellowships](#), click on those topics along the right margin of the [Advanced Biofuels USA website](#).

## Competitions, Contests

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[Consider Corn Challenge: New Uses for Field Corn as Feedstock for Making Sustainable Chemicals — DEADLINE: September 28, 2017](#)

June 12, 2017 – (NineSigma/National Corn Growers Association) Field corn production makes incredible contributions to human nutrition as a primary source of feed for cattle, hogs and poultry; to cleaner air and reduced greenhouse gases as the source of ethanol ...

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[Global Biobased Business Competition \(G-BiB\)](#)

(BE-Basic Foundation) The Global Biobased Business competition (G-BiB) is a competition for Master and PhD students from universities and universities of applied sciences in Germany, the Netherlands and Brazil. The objective of G-BiB is to stimulate entrepreneurship and innovation producing a biorenewable ...

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For information about other competitions and contests, [click here](#).

## Executive and Professional Training

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[Upcoming Ethanol Safety Seminars](#)

The Renewable Fuel Association, in partnership with several industry entities, will be hosting a series of Ethanol Safety Seminars in 2017 at various locations throughout the United States. This course was developed to give first responders, hazmat teams, fuel transporters, and safety personnel an in-depth look at proper training techniques needed when responding to an ethanol-related emergency. The seminars are FREE to attend. The upcoming cities for 2017 Ethanol Safety Seminars are detailed below. To register, go to [www.rfa.traincaster.com](http://www.rfa.traincaster.com).

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[Online Ethanol Emergency Response Course](#)

The Renewable Fuels Association is now offering an online version of its Ethanol Emergency Response course for first responders.

The two-hour training course, offered in partnership with the International Association of Fire Chiefs (IAFC) and TRANSCAER®, covers content from the “Training Guide to Ethanol Emergency Response,” which has recently been updated.

This new online training is targeted towards emergency responders, but is open to anyone with interest in ethanol emergency response. Upon completion of the course, participants will have knowledge related to ethanol and ethanol-blended fuels, including the use, chemical and physical characteristics, transportation modes, transfer operations,

basics of foam, suggested responder tactics and strategies and environmental issues.

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#### [TerraTech on VoiceAmerica Wednesdays at 6AM Pacific Time](#)

TerraTech highlights new and sustainable products, companies and cutting-edge advances in the lab that are changing the way people dress, eat, drink, drive, build, package, protect, monitor, maintain and get well. Each week, TerraTech features ...

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## Online Courses

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#### [Climate Generation Offers a Suite of Grades 3-12 Curriculum Resources in the form of Curriculum Guides, as Well as Online Modules that Can Be Downloaded for Free.](#)

(Climate Generation) Aligned with Minnesota state science, social studies and language arts standards, the Next Generation Science Standards and the climate and energy literacy principles, the curricula has been reviewed by scientists, professional educators, and ...

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#### [@EthanolRFA Offers Online #Ethanol Emergency Course](#)

by Joanna Schroeder (Energy.AgWired.com) For first responders unable to attend in-person training courses, the Renewable Fuels Association (RFA) is now offering an online version of its Ethanol Emergency Response course. Offered in partnership with the ...

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## Featured Study Programs

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Do you have a special program related to biofuels? Let us know.

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## Green Jobs

**This month's articles that feature information about jobs in advanced biofuels and the bioeconomy**

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#### [The Expert Witness in Biofuels and Biochemicals Litigation](#)

August 31, 2017 – by Wayne Lee (Lee Enterprises Consulting/Biofuels Digest) ... When projects fail to meet expectations, the participant discontent inevitably leads to increased litigation. As with any specialized area, bioeconomy litigation requires the assistance of experienced experts to assist ...

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#### [Planes Fuelled by Waste Could Take off from British Airports](#)

August 30, 2017 – (UK Department of Transport) Planes could take off from British airports using fuels made from rubbish that gets sent to landfill, under a new government scheme. — As part of plans to promote clean alternative ...

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#### [Hot Spots: 10 Advanced Bioeconomy Places to Watch in Iowa](#)

August 30, 2017 – by Jim Lane (Biofuels Digest) Eddyville, Fort Dodge, Clinton, Newton, Cedar Rapids. Communities like these have been mainstays of the Iowa bioeconomy for years, even decades — home to corn and soy processing on the ...

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#### [Biofuel from Forests Lightens Jetliner Carbon Footprint](#)

August 24, 2017 – (Washington Forest Protection Association/Seattle Times) Aviation biofuel is made from forest residuals, the limbs and branches that are left after the harvesting of managed forests. — Alaska Airlines made history recently, flying the first commercial ...

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#### [Transformation Time for Brazilian Energy, Agriculture](#)

August 18, 2017 – by Jim Lane (Biofuels Digest) ... Specifically, the \$155M FS Bioenergia corn ethanol production facility opened this week in Lucas do Rio Verde, Mato Grosso. It's the first large-scale corn ethanol production plant in Brazil and ...

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#### [Study Shows North Dakota Ethanol Industry Added \\$623.4 Million to State's Economy in 2015](#)

August 16, 2017 –by Meghan Sapp (Biofuels Digest) In North Dakota, a study by North Dakota State University's the Department of Agribusiness and Applied Economics, The Center for Social Research, says the state's ethanol industry added \$623.4 million to the economy during ...

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#### [Ethanol Fueling Rural Revival](#)

August 10, 2017 –by Erica Quinlan (AgriNews) ... Kip Tom, a corn and soybean farmer in Kosciusko County, thinks the benefits of ethanol need to be talked about more. ... “The consumer is saving money in their transportation fuel ...

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#### [Biofuel Plant Construction Set to Begin](#)

August 10, 2017 – by Vanessa Dietz (The Daily Mining Gazette) ... SynSel Energy Inc., of Elmhurst, Illinois, chose Ontonagon as one of two U.S. sites to build advanced biofuels plants that will produce synthetic gasoline, diesel and aviation fuels ...

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#### [NDSU: Ethanol Contributes \\$623.4 Million to ND Economy Annually](#)

August 9, 2017 – by Haley Olson (Ethanol Producer Magazine) North Dakota's ethanol industry contributes \$623.4 million to the economy annually, according to a report from the North Dakota State University Department of Agribusiness and Applied Economics.

“The industry generated ...

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#### [EU's Biofuels U-Turn Is Final Nail in Coffin of Irish Sugar](#)

August 7, 2017 – by Dick Roche (Irish Examiner) When it was enacted in 2009, the EU's Renewable Energy Directive was seen as a progressive step towards meeting Europe's climate change targets .... — The directive — which provided ...

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#### [A Better Fuel Mix Can Be 'Made in America'](#)

August 4, 2017 – by Rick Santorum (Des Moines Register/Americans for Energy Security and Innovation) ... American ethanol now replaces more than 500 million barrels of imported oil annually and shields drivers from price manipulation by hostile forces within the ...

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#### [Inside the Cellulosic Industry](#)

August 4, 2017 –by Susanne Retka Schill and Ann Bailey (Ethanol Producer Magazine) Ethanol Producer Magazine provides an update on 10 cellulosic ethanol projects around the world striving for continuous, large-scale production. —

Some things have changed in the ...

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[Anatomy of a Renewable Fuels Project: The Digest's 2017 Multi-Slide Guide to Ryze Renewables' Proposed Nevada Plants](#)

August 4, 2017 –by Jim Lane (Biofuels Digest) Ryze Renewables is developing two renewable fuels projects in the state of Nevada. These documents published are available online via the state of Nevada as public records. While researching a related ...

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## Webinars

For information about [upcoming webinars, click here.](#)

For [archived webinars, click here.](#) Often they are available for viewing online.

[WEBINAR: Key US and European Biofuel Policies — September 12, 2017](#)

STATUS OF EVOLVING CARBON & BIOFUEL REGULATIONS: A GLOBAL BIOENERGY POLICY ROUNDTABLE

The biofuels industry is heavily impacted by regulatory policy, which are increasingly focused on carbon reduction and climate change objectives. Biofuel producers, traders, ...

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[WEBINAR Series on Oil Release Planning, Prevention, Mitigation — Monthly Wednesdays August 16 – December 6, 2017](#)

by Cindy Zimmerman (Energy.AgWired.com) The Renewable Fuels Foundation and Pinnacle Engineering are teaming up once again to sponsor a five-part webinar series for renewable fuel stakeholders about oil release planning, prevention and impact mitigation. The Renewable Fuels Foundation is the education ...

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## Requests for Speakers, Posters, Presenters

For information about conferences seeking speakers, posters and presenters, [click here.](#)

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## Grants

For information about [grants, click here.](#)

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## Latest News about University/College Research

For articles about recent developments in university/college research, [click here.](#)

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Did We MISS Something??? Let us know.

Also, what you would like to see in this Advanced Biofuels Education Newsletter?



If you have contributions, lesson plans, experiments or news you would like to share, please contact  
Joanne Ivancic at [info @ AdvancedBiofuelsUSA.org](mailto:info@AdvancedBiofuelsUSA.org)  
or call 301-644-1395

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