

A monthly newsletter dedicated to Teacher Resources, Student Activities, Contests, Competitions, Online Courses, Webinars and MORE about Advanced Biofuels. Scholarships, fellowships, green jobs ... [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.



Educational News and Resources

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Featured Stories

Innovation - This Month's Theme



Students Study Possible Use of Lake Algae for Biofuel

Could the algae on Lake Menomin make biofuel? That is the question some University of Wisconsin-Stout students looked at as part of their research for capstone projects.

The group looked into creating a prototype of an algae collection system. Using a pump, the system would take in water from Lake Menomin. The water would go through an electro-coagulator that would create bubbles to push the algae to the top of a collection box. The algae then would be brushed off the top and placed into a collection area, and the clean water would return to the lake.

“We were trying to find an efficient way to separate the algae from the water,” Jerica Hall said, noting the brush system appeared like it would work the best and be the most cost-effective. [READ MORE](#)

Advanced Biofuels USA Presentations



Looking for PowerPoint slides to use in YOUR presentations? [Click here.](#)

INTERESTED IN A SINGLE-SESSION PRESENTATION for your class, civic organization, club or group of friends by an Advanced Biofuels USA expert?

Contact Joanne Ivancic at 301-644-1395 or info@AdvancedBiofuelsUSA.org
Multi-session seminars also available.

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

[Dawson Boyd High School Tours Granite Falls Energy](#)

(Minnesota Bio-Fuels Association) Thirty students from Dawson Boyd High School visited Granite Falls Energy yesterday in Granite Falls to learn about homegrown renewable energy production. During the tour, the students learned about the various processes of ethanol production at Granite Falls Energy,

which produces 64 million gallons of ethanol a year...

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[Heron Lake Bioenergy Hosts Worthington High School](#)

(Minnesota Bio-Fuels Association) Thirteen students from Worthington High School visited the Heron Lake Bioenergy ethanol plant today to get a better understanding of clean Minnesota-produced renewable energy. During the tour, the students learned about incoming grain grading, grain handling, fermentation, grain storage, dried distiller grain production and storage, liquefaction and ethanol...

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[Austin High School Tours Al-Corn Clean Fuel](#)

(Minnesota Bio-Fuels Association) Twenty-seven high school students toured the Al-Corn Clean Fuel ethanol plant in Claremont on Wednesday, May 22 to gain a better understanding of renewable fuel production. The students, from Austin High School, toured the various processes of ethanol production at the 125 million gallon-a-year facility. “By getting a...

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[Thune Discusses Climate Change and Other Questions with Sioux Falls High Schoolers](#)

by Jackie Hendry (SDPB Radio) U.S. Senator John Thune made a classroom visit to New Tech High School in Sioux Falls. In January, students wrote letters to South Dakota’s congressional delegation, and Thune took them up on the invitation. He also answered a variety of student questions—most centering on

climate change...

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[iGEM Competition Registration to Open in February; iGEM Jamboree — October 31-November 4, 2019 — Boston, MA](#)

iGEM's main program is the iGEM Competition. The iGEM competition gives students the opportunity to push the boundaries of synthetic biology by tackling everyday issues facing the world. Made up of primarily university students, multidisciplinary teams work together to design, build, test, and measure a system of their own design ...

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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

[Research Experiences for Undergraduates \(REU\) DEADLINES: May 24, 2019 \(4th Friday in May\) and August 28, 2019 \(4th Wednesday in August\)](#)

(National Science Foundation) The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate

students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program...

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[Become an ABO Intern!](#)

(Algae Biomass Organization) Students – Are you interested in doing more for your industry while completing your degree? Help define the algae sector of today and shape the industry of tomorrow as an Algae Biomass Organization volunteer virtual intern. Internships of 8-12 weeks are available and are completely online. Interns serve...

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[\\$500 Student Travel Grants to the 2019 Algae Biomass Summit](#)

(Algae Biomass Organization) Get your abstracts for the 2019 Algae Biomass Summit ready! The Algae Foundation has announced that it is offering \$500 travel grants to attend the 13th Annual Algae Biomass Summit in Orlando, Florida, from September 16-19, 2019. More information on the Mary Rosenthal Student Travel Grant can be...

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[Environmental and Energy Study Institute Offers Washington, DC-Based Internships](#)

(Environmental and Energy Study Institute) Interns have the opportunity to learn the inner workings of an environmental nonprofit while contributing to our work advancing sustainable energy. EESI is an independent 501(c)(3) non-

profit organization established in 1984 by a bipartisan Congressional caucus to provide timely information and develop innovative policy solutions...

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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

[Carbon Footprint Challenge DEADLINE: July 7, 2019](#)

The Carbon Footprint Challenge is a UNITECH International initiative, enabled by its corporate partners Covestro, Bühler and Evonik as well as nine top European universities connected to the Unitech network. We invite you, passionate students and young professionals to join the Carbon Footprint Challenge and together with us fight climate...

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[Apply for the Science & SciLifeLab Prize for Young Scientists DEADLINE July 15, 2019](#)

In order to promote young scientists early in their career, SciLifeLab has engaged in a collaboration with AAAS and Science magazine to award an annual prize in the area of life science for the best PhD thesis work. An essay based on the thesis is submitted to the editorial board of Science and four

winners are...

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[Minnesota — Call for Submissions: EYEWITNESS](#) [DEADLINE: October 20, 2019](#)

(Climate Generation) There has never been a more important time in our history to share our climate stories. Add your personal narrative to the chorus of voices to build understanding and inspire action on climate change. EYEWITNESS is a collection of short stories, poems and sketches that speak to the diverse range of...

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[EnergyPath 2019 Science Fair Application Open](#) [DEADLINE: June 28, 2019](#)

Energypath is the region's largest sustainable energy event, attracting industry professionals, policymakers and academia throughout the region and across the United States. The goal of Energypath is to increase the knowledge of and passion for sustainable energy in the leaders of today and tomorrow.

Energypath 2019 will be held July...

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[Application Open for Better Together Award](#)

The Better Together Award is an international competition seeking collaborative innovations solving local climate challenges. We highlight the value of impactful collaboration between start-ups, SMEs or NGOs and local governments that jointly implement innovative solutions for effective climate mitigation and

adaptation. The Better Together Award makes successful examples of such collaborative innovations visible to the world. It...

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[Covestro and UN Call for Young Champions of the Earth Competition Participants DEADLINE unclear](#)

by Helena Tavares Kennedy (Biofuels Digest) In Germany, Covestro and the United Nations are calling for nominations for Young Champions of the Earth, a prize for environmental entrepreneurs aged between 18 and 30 with a big idea for the world's future. Each of seven winners in the 2019 program, the third year of the...

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[PROPOSALS WANTED: Electrical Storage Start-ups](#)

(EIT InnoEnergy) Got a brilliant innovation idea in the electrical storage area, and want to take it to market or scale-up? You could win €100,000 as well as investment and business support to grow your business from the world's biggest sustainable player backed by a trusted ecosystem. Your idea should...

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[Calling All Innovators: The 2019 Create the Future Contest Is Now Open! DEADLINE: July 1, 2019](#)

(Create the Future) The world's premier engineering design competition is now accepting entries. Submit your best new product ideas for a chance to win \$20,000 and global recognition. Individual and team entries are invited from engineers, students, and entrepreneurs. There's no cost to enter. Here's how

to Get Started. Do you have...

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[BC Green Games Are Back!](#)

(BC Green Games) BC Green Games is a digital eco-storytelling contest designed to closely link with BC's new curriculum while supporting teachers and promoting place-based environmental education. Our project-style contest offers teachers and students a 21st century learning opportunity in scientific exploration, storytelling, campaigning and policy development. Teams document and share their...

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

Webinars

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

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

Executive, Professional, Technical Training

[XBX Exploring Biodiesel Seminar Series — May 20, May 30, August 1, 2019 — East Greenwich, RI; Long Beach, CA](#)

The second annual XBX series will examine biodiesel's growing prominence in the liquid fuels supply chain. In the wider context of today's advanced, high-efficiency OEM technologies, and the increasingly ultra-low-sulfur diesel supply pool, the seminars will call attention to biodiesel's downstream operability and marketability as a carbon-neutral, renewable fuel that's...

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[Applications Open for Statewide Bootcamp for Tennessee Agricultural Innovation Startups — July 8-12, 2019 — Knoxville, TN](#)

(AgLaunch) AgLaunch and the Knoxville Entrepreneur Center are again partnering for a week-long agri-tech bootcamp to support Tennessee agriculture startup teams. The bootcamp will be held on the University of Tennessee Institute of Agriculture campus in Knoxville from July 8-12, 2019. Teams accepted into the program will experience best-in-class agricultural entrepreneurship programming and...

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[B&C Launches TSCA Tutor™ Modular Training Platform](#)

(Bergeson & Campbell) Bergeson & Campbell, P.C. (B&C®) is pleased to announce an exciting and important new component to our suite of Toxic Substances Control Act (TSCA) offerings. Our TSCA Tutor™ training platform provides live in-person training at a company's site, live online training, and pre-

recorded webinar training modules — all...

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[NREL Seeks Participants for 2019 Executive Energy Leadership Program](#)

by Helena Tavares Kennedy (Biofuels Digest) The U.S. Department of Energy's National Renewable Energy Laboratory (NREL) is seeking applicants for its 2019 Executive Energy Leadership Program—otherwise known as Energy Execs. Energy Execs provides non-technical business, governmental, and community leaders throughout the country an opportunity to learn about advanced energy, energy-efficiency technologies, analytical tools...

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For more information about [Executive, Professional, Technical Training](#) click on those topics along the right margin of the [Advanced Biofuels USA website](#).

Online Courses

[Make a World of Difference — Explore Penn State Energy and Sustainability Programs Online](#)

(Pennsylvania State University) The global shift to clean energy is creating opportunities for project developers and policy experts to drive renewable energy initiatives and encourage a culture of sustainability. Prepare yourself to help shape the future by graduating from one of Penn State's energy and sustainability programs, offered completely online...

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Consumer Education

[Farmer: Consumer Education Still Needed for Renewable Fuels](#)

by Amie Simpson (Brownfield Ag News) Southern Indiana Farmer Dave Gottbrath says many farmers would benefit from growth in the ethanol industry, but there is a lot of consumer confusion that...

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[RFA Holding Third Annual 'Ethanol Days of Summer' Contest](#)

(Renewable Fuels Association) Did you know you can win free fuel just by reporting what prices you are paying at the pump? For the third year in a row, the Renewable Fuels...

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[Minnesota Corn, American Lung Promote Ethanol at Pump — various dates — Minnesota locations](#)

by Paula Mohr (Farm Progress) 35 fuel promotion events are scheduled across the state offering discounts on E85 and E15. — Minnesota drivers who stop at selected gas stations with E85 and...

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[South Jakarta Turns Used Cooking Oil into Alms](#)

(Jakarta Post) The South Jakarta Environment Agency has collected used cooking oil from households and turned it into alms. The agency teamed up with Kutub Social House Foundation to pick up used...

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[Going Green on a Budget: Lessons Taught and Learned at the Green Neighbor Festival](#)

by Joanne Ivancic* (Advanced Biofuels USA) Coal powers the GM Bolt with West Virginia license plates parked in the EV section at Frederick Maryland's Green Neighbor Festival, explained the enthusiastic...

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For more information about [consumer education](#), click on this topic in the Tags section along the right margin of the [Advanced Biofuels USA website](#).

Featured Study Programs

For more information about [featured study programs](#), click on this topic in the Categories section along the right margin of the [Advanced Biofuels USA website](#).

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

Green Jobs in the US and Around the World

What kinds of jobs are there in the bioeconomy around the world? Who might be hiring? What companies are expanding? Find leads and background information in this month's articles about advanced biofuels and the bioeconomy. [Click here for Green Jobs Lists and Company Career pages.](#)

[Click here](#) for this month's articles with information and leads about Green Jobs.

Requests for Speakers, Posters, Presenters

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

Or subscribe to our monthly conference calendar. [click here.](#)

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Also, what you would like to see in this Advanced Biofuels
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If you have contributions, lesson plans, experiments or news you would like to share,
please contact

Joanne Ivancic at info @ AdvancedBiofuelsUSA.org

or call 301-644-1395

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