

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

Scroll down for:

- [News about and for Students and Schools \(K-12\)](#)
- [Scholarships, Fellowships, Internships in the US and around the world](#)
- [Competitions, Contests](#)
- [Webinars](#)
- [Executive, Professional, Technical Training](#)
- [Online Courses](#)
- [Consumer Education](#)
- [Featured Study Programs](#)
- [Green Jobs in the US and Around the World](#)
- [Requests for Speakers, Posters, Presenters](#)
- [Grants](#)
- [Latest News about University/College Research](#)

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

Featured Stories

Ambition--This Month's Theme

Next Gen Biodiesel Scientists Take One Small Step

A few years ago, Jesse Mayer was Next Generation of Biodiesel Scientists (NGBS) co-chair, during his studies at the University of Nevada-Reno. He now works in San Diego at Thermo Fisher Scientific, so when he heard the biodiesel conference was going to be there, Jesse wanted to come and share his story about how being involved with NGBS helped him in his job search. [READ MORE...](#)

Planting The Seeds: Agricultural Organizations in Kansas and Ohio Have Programs Aimed at Ethanol Education, Training Teachers and Even Providing Funding to Ensure the Knowledge Is Passed on to Students.

For at least one student in James Burk's engineering class at Trego County Community High School in WaKeeney, Kansas, ethanol is a passion. Burk says the student is so excited about ethanol, this is the second year he's voluntarily enrolled in the engineering class. Burk, a science teacher, is able to use those ethanol production labs in his classes thanks, in part, to an education effort undertaken by Kansas Corn...

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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)

[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 ...

February 19, 2019 [Read Full Article](#)

[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 ...

January 15, 2019 [Read Full Article](#)

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

[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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[NAMA Launches Student Sales Competition](#)

by Chuck Zimmerman (Energy.AgWired.com) The National Agri-Marketing Association (NAMA) is announcing plans to launch a new competition for student members in conjunction with the 2019 Agri-Marketing Conference in Kansas City. The competition will take place on Tuesday, April 9. The Student NAMA Sales Competition is an individual sales call skills challenge. With this...

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[Enter 2019 Storyfest; Win Trip to Galápagos Islands](#)

(Planet Forward) Tell an inspiring story to move the Planet Forward. Enter to win our Storyfest Award. Grand Prize: A storytelling voyage through the Galápagos Islands with Lindblad Expeditions and Planet Forward in August 2019! In every corner of the planet, amazing people are working hard to figure

out solutions to the environment's biggest ...

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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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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

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

[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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[BIOGAS #HANDS ON International Engineering & Operating Training — May 7-15, 2019 — Stuttgart, Germany](#)

SAVE THE DATE This 7-day training is IBBK's premium course. The many years of experience of the German biogas experts enable the worldwide transfer of know-how through lectures and interactive workshops. The integrated lab session as well as the visits to four unique biogas plant operations in Southern Germany complement the facts with

practical insights...

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[3-Day Seminar BIOGAS#TRAINING — March 11-13, 2019 — Johannesburg, South Africa](#)

The 3 day training seminar focuses on the biogas market in Africa with attention to the local characteristics of substrate selection, plant engineering, and biogas utilization. You will get practical knowledge about biogas plant operation, maintenance and the presented case studies will highlight the best methods of biogas production from biomass waste...

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Online Courses

[ISO Greenhouse Gas Standards Training for Organizations, Verifiers, and Oversight Bodies](#)

Futurepast offers six courses on verification and validation of GHG statements that can be taken individually, or as a package for a discounted price. The courses are interactive and available 24-hours a day. In accordance with ASTM E2659-18, a certificate will be awarded for individuals who have successfully completed a...

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[Consortium Launches Online Algae Intro Course](#)

(Algae Industry Magazine) A new online course in algae basics has just been made available by Coursera for anyone interested in learning the fundamentals of algae. The Massive Open Online Course (MOOC), Introduction to Algae, was ...

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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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[RFA Develops ‘Ethanol in the Classroom’ Program](#)

by Cindy Zimmerman (Energy.AgWired.com) The Renewable Fuels Association has developed a new on-line educational program designed to help tomorrow’s consumers get to know ethanol.

The new “Ethanol in the Classroom” course provides a fun and interactive way

...

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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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Consumer Education

[Clean Energy Will Offer Biomethane at All of Its Refueling Facilities by 2025](#)

(Clean Energy/NGV Journal) Clean Energy Fuels Corp. has set goals to offer Zero-Carbon Redeem™ renewable natural gas at all of its fueling stations by 2025, summarized in its Corporate Sustainability Report unveiled at the GreenBiz Conference. By transitioning exclusively to Redeem by 2025 and by achieving Zero-Carbon intensity, Clean Energy would...

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[ExxonMobile Commercial](#)

(Algae Industry Magazine) View the latest algae biofuel pitch from ExxonMobile: "From petri dish to pond to potential biofuel, watch how we are continuing our algae research in Calipatria, CA with Synthetic Genomics..."

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[New Labelling Requirements to Help Motorists Pick the Right Fuel at Home and Abroad](#)

(UK Department for Transport) New rules will help motorists identify the right fuel and tell them the biofuel content of petrol and diesel. — All filling stations

to roll out new labels by September 2019; Labels will help motorists pick the right fuel, whilst informing them of the biofuel content of...

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[RFA Releases Three Videos Aimed at Educating Consumers](#)

(Renewable Fuels Association) The Renewable Fuels Association is pleased to announce the release of three new educational videos that will help the public learn more about the advantages of using more renewable fuels like ethanol. The videos, released last week at RFA's 24th annual National Ethanol Conference in Orlando, focus on...

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[Malaysia, France to Hold Dialogues for Better Understanding of Palm Oil](#)

(Bernama/Borneo Post) Malaysia and France will hold joint dialogues and strengthen engagements to promote better understanding of the palm oil industry, said the Primary Industries Ministry. Its minister, Teresa Kok said this followed a courtesy call on her from French Ambassador to Malaysia Frederic Laplanche here yesterday where they discussed ways...

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[Renewable Fuels Association Kicks Off Awareness Campaign for E15](#)

(Convenience Store News) The Renewable Fuels Association (RFA) launched an awareness campaign in support of E15 fuel with the launch of a new

consumer-facing website and digital ads in The Washington Post. The campaign's goal is to educate consumers and policymakers about the benefits of the fuel ahead of this year's summer driving...

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[RFA Releases 2019 Ethanol Industry Outlook, Pocket Guide](#)

(Renewable Fuels Association) Today at the 24th annual National Ethanol Conference, the Renewable Fuels Association (RFA) released its 2019 Ethanol Industry Outlook and Pocket Guide, known around the world as the go-to sources for reliable information and data on America's ethanol industry. The annual Outlook publication provides policymakers, regulators, consumers, the media, and renewable fuel...

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[NACS \(National Association of Convenience Stores\) Favors Giving Consumers Options at the Pump](#)

by Matt Thompson (Ethanol Producer Magazine) For the National Association of Convenience Stores, selling E15 is a matter of giving consumers plenty of fuel options. "We like the optionality of being able to have lots legal choices and really sell what the consumer wants to buy," said Paige Anderson, NACS's director...

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[How Do Your Fuel Decisions Impact Our Environment?](#)

by Jessie Stolark (Environmental and Energy Study Institute) EESI Policy Associate Jessie Stolark spoke on a roundtable panel about the health and environmental considerations of fuel choices, at the Iowa Renewable Fuels Summit on January 29. Below is an abbreviated version of her remarks at that presentation, which highlighted the benefits...

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Featured Study Programs

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.](#)

[Gevo and HCS Group Enter Into Game-Changing, Long-Term Supply Agreement for Renewable Isooctane Worth Up to \\$180 Million; Gevo and Haltermann Carless Ready to Roll out to Mass Markets like Outdoor Power Equipment](#)

(Gevo) Gevo, Inc. (NASDAQ: GEVO) announced today that HCS Group and Gevo have entered into a long-term, definitive, binding and bankable

renewable isooctane purchase and sale agreement, dated February 21, 2019. HCS Group will be supplied exclusively for sales of Gevo's renewable isooctane into high-end applications ranging from high purity solvents to specialty fuels under its Haltermann Carless brand, excluding use...

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[NEXT Renewable Fuels Secures Land at Port Westward](#)

(NEXT Renewable Fuels) NEXT Renewable Fuels has agreed to purchase a 25-acre parcel at the Port of Columbia County's Port Westward Industrial Park. The land is zoned industrial and was purchased from Teevin Bros, a local material handling and timber company. "We are extremely pleased to be working with the Teevin team..."

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[EXECUTIVE INTERVIEW: Neste Brings Biofuels to the Aviation Industry](#)

(ACT News) An ACT News Executive Interview with Lana Van Marter, Commercial Development Manager, Neste, a front-runner in the production of advanced biofuels and renewable fuels. Lana Van Marter has a unique perspective on sustainability and many of the global challenges we currently face. Today she works for Neste, focusing on...

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[Grassroots Efforts in the Biodiesel Industry](#)

by Amie Simpson (Brownfield Ag News) The executive director of the Iowa Biodiesel Board says the key to growing the biodiesel industry is implementing

programs at the state level. Grant Kimberley says in Iowa, for example, they have been able to put together a package of incentive programs. “From retail incentives...

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[MEGA MEG – Braskem and Haldor Topsoe’s Monoethylene Glycol from Sugar Is in Operation](#)

by Helena Tavares Kennedy (Biofuels Digest) ...Brazil-based Braskem and Denmark-based Haldor Topsoe just commissioned their pioneering demonstration unit, located in Denmark, for the development of monoethylene glycol (MEG) from sugar. Their innovation for renewable plastic made from sugar instead of traditional fossil fuels has been getting attention and this news marks a...

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[U.S. Groups Support Expansion of Biofuels in Ontario](#)

by Jacqui Fatka (Feedstuffs) U.S. Grains Council and Growth Energy submit comments in support of 15% renewable fuel content in gasoline use by 2025. — This week, Growth Energy and the U.S. Grains Council (USGC) jointly submitted comments to the Canadian province of Ontario supporting the expansion of biofuel blending under the Made-in-Ontario Environment...

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[Fulcrum Announces Location of Its Next US Waste-to-Fuels Plant, as Bizav Sector Showcases Sustainable Jet Fuels](#)

(GreenAir Online) Waste-to-fuel company Fulcrum BioEnergy has selected Gary, Indiana, as the location for its Centerpoint BioFuels Plant, which will have the capacity to produce three times the amount of renewable transportation fuels compared to its first Sierra plant in Nevada that is due to start operations in early 2020. Construction...

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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

or call 301-644-1395

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Make YOUR Contribution Today!**



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You can now make a secure donation to Advanced Biofuels USA via PayPal by clicking on the "[Donate](#)" button below. It's quick, easy and safe. Make it a year-long gift by making monthly installments automatically.

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