

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

[View this email in your browser](#)



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 Stories

Coming Soon--Children's Book on Climate Change

The Tantrum That Saved The World: Carbon Neutral Kids' Book--Kickstart Campaign

Illustrator, Megan Herbert and climate scientist Michael E. Mann have teamed up to create a children's hard-cover and e-book about, as they explain in their Kickstart campaign:

To capture kids' imaginations, is a story about a little girl who comes face to face with an enormous challenge, feels all kinds of frustration as she tries to overcome it, and then channels those strong emotions into action, rallying all those around her to do the same.

Following this engaging, relatable tale, comes the explanation of the science of climate change in language that children can understand, telling the stories of the climate refugees that appear in the story, and how all their lives are interconnected.

An Action Plan then outlines simple and positive steps every person can take to make a real difference and to become the heroes of their own stories.

...

This book is created by professionals in their field. The storytelling is exciting and well-structured. The writing is lyrical and engaging, with the fiction section presented in rollicking rhymes to keep children hooked into the story. The non-fiction section is based on meticulously-researched and peer-reviewed science, tempered and communicated in simple terms that children can understand. The illustrations complement and enhance the text, bringing it all together in a book that your children will want to hear again and again. [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

- Online Courses
- Featured Study Programs
- Green Jobs in the News

Use these links for more information about:

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

Teacher Resources

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

[BioenergizeME Infographic Challenge Cancelled for 2017-2018 School Year; Replaced by “Invite a Bioenergy Expert” Webinar Series](#)

October 31, 2017 – (U.S. Department of Energy) ... The Bioenergy Technologies Office (BETO) has experienced an overwhelming response to the BioenergizeME Infographic Challenge. It has been exciting to see the topics that students have addressed and the creativity ...

Find more [Teacher Resources here](#).

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

[RTR High School Tours ADM Corn Processing](#)

October 28, 2017 – (Minnesota Bio-Fuels Association) Twelve students from Russell-Tyler-Ruthton (RTR) High School visited the ADM Corn Processing ethanol plant on Sept 29 to learn about renewable energy production.

The students, comprising of 10th to 12th graders, toured the various ...

[Highwater Ethanol Hosts Wabasso High School](#)

October 16, 2017 – (Minnesota Bio-Fuels Association) Sixteen students from Wabasso High School toured Highwater Ethanol today to learn more about home-grown renewable energy production.

During the tour, the students learned about the various processes in ethanol production at Highwater Ethanol, ...

[Minnesota Biodiesel Essay Scholarship Winners Announced](#)

October 4, 2017 – by Ron Kotrba (Biodiesel Magazine) First- and second-place winners have been announced for the

2017 Clean Air Choice Biodiesel Essay Scholarship, sponsored by the Minnesota Soybean Research and Promotion Council and administered by the American Lung ...

[RTR High School Tours ADM Corn Processing](#)

October 2, 2017 – (Minnesota Bio-Fuels Association) Twelve students from Russell-Tyler-Ruthton (RTR) High School visited the ADM Corn Processing ethanol plant on Sept 29 to learn about renewable energy production.

The students, comprising of 10th to 12th graders, toured the various ...

[Red Rock Central High School Visits Highwater Ethanol](#)

September 26, 2017 – (Minnesota Bio-Fuels Association) Eleven students from Red Rock Central High School traveled across town on Sept 15 to visit Highwater Ethanol to learn about renewable energy production.

The students, from grades 9 to 12, toured Highwater ...

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

[Green Chemistry for Life Grant Programme: Green Chemistry Research Grants for Young Scientists DEADLINE: February 28, 2018](#)

October 19, 2017 – (UNESCO) Fifth call for applications – 2017/2018 Deadline: 28 February 2018

The grant programme aims to promote the implementation of innovative research projects in green chemistry by young scientists that respect the 12 principles of green chemistry. ...

[Student Scientists Invited to Apply for Scholarship to National Biodiesel Conference \(Deadline: Nov. 19, 2017\)](#)

October 11, 2017 – (National Biodiesel Board) The National Biodiesel Board is offering scholarships for students interested in attending the National Biodiesel Conference & Expo, Jan. 22 – 25 in Fort Worth, Texas. The application process for no cost registration, travel ...

[Renewable Fuels Foundation Offers National Ethanol Conference Scholarship Program](#)

October 2, 2017 The NEC Scholarship Program, sponsored by the Renewable Fuels Foundation and the Renewable Fuels Association, seeks to attract students of higher learning who wish to pursue a career related to ethanol. By offering scholarships that ...

[Renewable Fuels Foundation Offers February 2017 National Ethanol Conference Scholarship Program](#)

The NEC Scholarship Program, sponsored by the Renewable Fuels Foundation and the Renewable Fuels Association, seeks to attract students of higher learning who wish to pursue a career related to ethanol.

[National Corn to Ethanol Research Center Internship Program](#)

The NCERC biofuels internships are funded through a \$10 million U.S. Department of Labor Trade Adjustment Assistance Community College and Career Training grant awarded in 2014. NCERC, which has a pilot plant, works with Southern Illinois University Edwardsville and its Lewis and Clark Community College on the Building Illinois Bioeconomy program. "What BIB does, is it takes this four-year university that we sit on at SIUE and our research center here at NCERC and it links up the activities here with four other community colleges across our state," says Courtney Breckenridge, BIB project manager. "The areas we focused on with the grant were bioprocess and biofuels and water management."

In addition to the technical jobs, NCERC recently added intern positions in business-oriented jobs. Up until about 2016, the internships were very STEM- oriented (science, technology, engineering and math). In 2017, they have added interns who have had degree fields such as accounting, public relations, etc.

[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.

[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 ...

[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 ...

[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 ...

[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.

[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 ...

[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](#)

[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. ...

[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, ...

[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.

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.

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

Competitions, Contests

[2017 Green Chemistry Student Chapter Award Winners Announced](#)

October 19, 2017 – (American Chemistry Society Green Chemistry Institute) What better place than the classroom for green chemistry – the “field open for innovation, new ideas, and revolutionary progress” – to flourish? In the years since its inception, green chemistry ...

[Biofuel Production with the Sun, the Sea and Thermochemical Reactions](#)

October 11, 2017 – by Marcius Extavour (XPRIZE/Biofuels Digest) ... Hydrocarbon drop-in fuels are among the leading products targeted by the CO2 conversion community, be it diesel, methanol, butanol, or others. New approaches to the science and technology of CO2-to-fuels may ...

[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 ...

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

Executive and Professional Training

[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.

[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.

[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 ...

Online Courses

[Renewable Energy Market Trends and Finance Course — December 11-12, 2017 — Washington, DC and online](#)

October 18, 2017 – Understanding policies and finances – fast track to a renewable energy consultancy job. Organised

by The George Washington University and the European Energy Centre (EEC) Two-day course

This course is also available as distance learning with live tutorial, ...

[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 ...

[@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 ...

Featured Study Programs

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

Green Jobs

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

[Maryland's Hood College Looks for Biofuels/Bioproductions Scientist/Teacher](#)

November 1, 2017 (Hood College) Hood College is pleased to announce an exciting new opportunity, funded in part by the Maryland E-Innovation Initiative Fund (MEIF), administered by the Maryland Department of Commerce and the Hodson Foundation. The Department ...

[Eliminating Crude Ethanol Imports through Enhanced Cassava Production](#)

November 1, 2017 – by Abdallah el-Kurebe (Vanguard) ... Ethanol is also produced from cassava and is used as fuel, alcoholic beverages, perfumes, cosmetics, medicaments, etc. Nigeria is the largest producer of cassava but the nation's annual local demand for ...

[Clariant to Build Flagship Cellulosic Ethanol Plant in Romania: 8-Figure Sales Potential Envisioned](#)

November 1, 2017 – by Jim Lane (Biofuels Digest) In Germany, Clariant's board has approved investment in a new full-scale commercial plant for the production of cellulosic ethanol from agricultural residues using its sunliquid technology. The new plant, with an ...

[Trump Is Fulfilling His Promises on Ethanol](#)

October 30, 2017 – by Bob Dinneen (Renewable Fuels Association/Wall Street Journal) President Trump is faithfully sticking to his campaign promise to "do all that is in my power as president" to achieve the goals of the Renewable Fuel Standard. ...

[Letter from Washington: The Grand Alliance Flashes V for Victory in Renewable Fuels Fight](#)

October 25, 2017 by Jim Lane (Biofuels Digest) It's been a very busy week in Washington DC, the high point being a letter to seven senators sent late Thursday by EPA Administrator Scott Pruitt, who took significant (and as ...

[Aemetis Signs Long Term Lease for Cellulosic Ethanol Plant Site in California](#)

October 19, 2017 – (Aemetis) 55 year Lease Agreement at Former Army Munitions Facility — Aemetis, Inc. (NASDAQ: AMTX) announced today that its Aemetis Advanced Products Keyes subsidiary signed a 55 year lease at a former US Army munitions facility located in ...

[Biodiesel Industry Helps Drive American Manufacturing](#)

October 18, 2017 – (National Biodiesel Board) Biodiesel is a driving force in America's manufacturing sector, supporting more than 64,000 good paying, clean energy jobs across the country. These jobs are contributing to a vibrant manufacturing sector, reinvigorating rural economies ...

[The Hot 40: 40 Hottest Emerging Companies in the Advanced Bioeconomy, 2017-18](#)

October 18, 2017 – by Jim Lane (Biofuels Digest) The 40 Hottest Emerging Companies in the Advanced Economy, as voted by a panel of invited international selectors organized by the Digest and NuU, the world's most widely-read bioeconomy dailies.

The rankings ...

[Republican Governors Express Concern to President Trump Over EPA Actions on RFS](#)

October 17, 2017 –(National Biodiesel Board) “We Were Drawn to Your Explicit Promises to Our Farmers... But Now We Are Concerned” — Today four Republican Governors sent a letter to President Trump with concerns on the recently proposed changes to ...

[Heitkamp Leads Bipartisan Effort to Protect Biofuel Production & Support Rural Jobs](#)

October 16, 2017 – (Office of Senator Heidi Heitkamp) Senators: EPA Proposal to Cut Renewable Fuel Standard Would Cost Jobs in Rural America — U.S. Senator Heidi Heitkamp today led a bipartisan letter with U.S. Senators Roy Blunt (R-MO), Patty Murray ...

[SPARC in the Engine: Florida Aims to Be an Alternative Jet Fuels Hub as New Public/Private Project Debuts](#)

October 13, 2017 – by Jim Lane (Biofuels Digest) Sometimes, what an engine needs to roar to life is a spark. Or a SPARC, as in this case. As in the Southeastern Partnership for Advanced Renewables from Carinata (SPARC), a consortium consisting of ...

[AVAPCO, BYOGY Renewables, and Petron Sciencetech Announce Partnership to Demonstrate Technologies in the ABBA Integrated Biorefinery Project](#)

October 10, 2017 –(PR Web) The ABBA Integrated Biorefinery project, to be built at the AVAPCO Thomaston Georgia site, will co-produce bio jet fuel and Bioplus® nanocellulose. It has received a Phase 1, \$3.7 million award from the Department ...

[A Blustery Day in the Bioeconomy's Billion Acre Wood: The Latest from EPA, POET, Fuels America, Calyxt, Eligo Bioscience, Queensland, Gevo, Virgin, and Unilever](#)

October 4, 2017 – by Jim Lane (Biofuels Digest) Headwinds — US road transport biofuels producers are up in arms

this week. There are reports of oil industry led-efforts within the EPA to create an export-subsidy RIN, cut biofuel targets with new “data,” and bypass EPA ...

[New Government-Backed Initiative Launched to Create a World-Leading UK Sustainable Aviation Fuel Industry](#)

October 2, 2017 –(GreenAir Online) Following a decision by the UK government to support the development of sustainable fuels for the aviation sector, a new initiative has been formed that will bring supply chain partners together with the ...

Webinars

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

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

[WEBINAR: OPIS’s Renewable Diesel — November 15, 2017](#)

October 30, 2017 –As demand for renewable diesel fuel is expected to rise, find out the current state of the market and what lies ahead.

Renewable diesel, a “drop-in” fuel similar in performance to conventional fossil-based diesel, but with ...

[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 ...

Requests for Speakers, Posters, Presenters

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

Grants

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

Latest News about University/College Research

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

Check Out All Our Free Monthly Newsletters

--**Educational News and Resources** newsletter with information about *teacher resources, scholarships, fellowships, competitions* and *contests*; and highlight articles about *green jobs* in the advanced biofuels world. [Subscribe](#)

--**Conference Calendar** and **US Federal Regulations, Legislation, Litigation, Policy** [Subscribe](#)

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

**Help Us Continue to Provide Outstanding Service.
Make YOUR Contribution Today!**



Advanced Biofuels USA, a 501(c)3 nonprofit educational organization (NOT a trade organization) relies on Individual Contributions, Corporate Donations, In-Kind Donations and the Work of Many Volunteers to enable this organization to promote the understanding, development and use of advanced biofuels and to inspire action.

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.

You can make your gift in memory or in honor of someone special. Just let us know. Call (301-644-1395) or send an email: info@AdvancedBiofuelsUSA.org. We'll send a special card acknowledging your gift.

[Donate!](#)

[Subscribe](#)

SHARE!



Copyright © 2017 Advanced Biofuels USA, All rights reserved.

You are receiving this email because you indicated an interest in advanced biofuels.

Our mailing address is:

Advanced Biofuels USA
507 North Bentz Street
Frederick, Md 21701

[Add us to your address book](#)

Want to change how you receive these emails?
You can [update your preferences](#) or [unsubscribe from this list](#)

MailChimp