

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](#)

[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.*



## Educational News and Resources

**Scroll down for:**

- [Featured Stories](#)
- [Research and Discovery](#)
- [Teacher Resources](#)
- [News about and for Students and Schools](#)
- [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](#)

**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](#)

## Featured Stories

### *Research and Discovery*

#### [Green School Students Britt Koens and Her Sister Marein](#)



#### [Make Biofuel for Bali Buses](#)

A bamboo school and turning fried chicken oil into fuel — this is what school life has been for two young sisters making biofuel for school buses and a unique motorcycle in Indonesia.

Speaking to the ABC during a family holiday in Western Australia’s Kimberley region, where their father is now working, they said their new school got them into a unique project: helping to build, maintain and fuel a fleet of biodiesel vehicles.

“It’s great for kids like us to learn about these things,” Britt said.

“There are so many options, for some people, project based learning is harder, so we have the options” Marein added...

[READ MORE](#)

---

## [Growdiesel Ventures Limited, India’s Leading Biofuel Company Launches Renewable Fuel Industrial Training Certification for](#)



### [Students](#)

Established in 2001, [Growdiesel](#) is India’s leading Renewable Fuel company that is providing innovative turn-key solutions to various Government, Hotels, Hospitals, Residential societies, Corporates, Schools and other sectors. They are solving World’s 2 biggest problems: Waste Elimination & Fuel Generation.

Growdiesel solves these 2 problems by converting wet waste into Bio-CNG (Compressed Natural Gas), bio-PNG (Piped natural gas) and bio-fertilizer. Plastic and rubber waste is converted into Green Diesel.

This biofuel can be used to run vehicles, for cooking, electricity production and organic farming. Growdiesel has experience of working with over 20 State Governments and Central Government organizations. The company is also working in collaboration with the Spanish and U.K. Government and helping in their waste and fuel management...

[READ MORE](#)

---

## [Undergraduates Participate in Bioenergy Research at GLBRC](#)



Each year, the Great Lakes Bioenergy Research Center (GLBRC) hosts a group of undergraduate students to participate in the Research Experience for Undergraduates (REU) program, designed to immerse students in research. This summer, 11 undergraduate students joined laboratories at Michigan State University and the University of Wisconsin–Madison.

Mentors guide students throughout the research process, from designing their experiments to presenting their findings on a poster. Students participate in professional development activities, build references for graduate school, and explore research as a potential career.

Halfway through the program, we asked each student to talk to us about their experiences so far...

[READ MORE](#)

---

## [‘Next Generation Scientists for Biodiesel’ Program Selects](#)



### [Two New Leaders](#)

Hop onto a red CyRide bus in Ames, Iowa, and there’s a pretty good chance it’s fueled by a biodiesel blend. That’s thanks in part to the work of [Sam Kramer](#), a chemical engineering and economics undergraduate, who helped get the school’s unique “BioBus” program going again after a long hiatus.

Kramer is one of two new co-chairs selected to lead the [Next Generation Scientists for Biodiesel](#).

“The world needs more capable and caring engineers,” Kramer said. “Programs like NGSB and our ISU BioBus Club spark interest in renewable energy and give young engineering students hands-on experience.”

---

## House Select Committee on the Climate Crisis Request for Information DEADLINE: November 22, 2019



The climate crisis already is harming communities across America. The costs and impacts to the United States in the coming decades could exceed hundreds of billions of dollars annually. To limit global warming to no more than 1.5°C above pre-industrial levels, global net carbon pollution must fall by roughly 45% below 2010 levels by 2030 and must ultimately reach net zero by mid-century.

The Select Committee has received recommendations from young climate leaders, policy specialists, business leaders, and state and local officials at meetings and hearings held in Washington, D.C. and around the country. To supplement our ongoing work, the Select Committee is seeking additional detailed input from a broad range of stakeholders...

[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](mailto:info@AdvancedBiofuelsUSA.org)

*Multi-session seminars also available.*

## **Teacher Resources**

---

### [Resilience In Sustainable rEconstruction \(RISE\) Conference — November 18-20, 2019 — Albany, NY](#)

RISE 2019 will deliver a three-day series of workshops to explore how institutions of higher learning can strengthen preparedness, response and recovery efforts in the face of threats posed by a changing climate and extreme weather. Sessions are designed to deliver a set of actionable outcomes to build a national...

[Read Full Article](#)

---

### [Skype a Scientist Matches Scientists with Classrooms around the World!](#)

(Skype a Scientist) We want to give students the opportunity to get to know a “real scientist”. This program allows us to reach students from all over the world without having to leave the lab! We have thousands of scientists ready to chat! Teachers can choose the type of scientist that will...

[Read Full Article](#)

---

## **News about and for Students and Schools**

---

## [Minnesota State Mankato Agroecology Class Tours Guardian Energy](#)

(Minnesota Bio-Fuels Association) Thirteen students from Minnesota State University, Mankato toured Guardian Energy in Janesville yesterday afternoon to learn about locally produced biofuel production. “Tours such as these educate students on the various roles ethanol plays in reducing greenhouse gas emissions, supporting the economy and improving our nation’s energy security,” said Jeanne...

[Read Full Article](#)

---

## [Flint Hills Resources Menlo Staff Teach Students about Ethanol Production](#)

(Atlantic News Telegraph) On Oct. 15, staff from the Flint Hills Resources Menlo ethanol plant participated in “On the Trail of Iowa Corn,” a field trip and educational opportunity for area third graders to learn about farm and food topics. Nearly 100 students, teachers and parent chaperones from Adair-Casey, Nodaway...

[Read Full Article](#)

---

## [Highwater Ethanol Hosts Red Rock Central Public School](#)

(Minnesota Bio-Fuels Association) Eleven students from Red Rock Central Public School traveled across town yesterday to visit Highwater Ethanol and learn about renewable energy production. “This is the third straight year students from Red Rock Central Public School have toured our plant. Ethanol production plays a vital role in boosting the...

[Read Full Article](#)

---

## [West Central Area Secondary Tours CVEC](#)

(Minnesota Bio-Fuels Association) Twenty-five students from West Central Area Secondary School in Barrett visited Chippewa Valley Ethanol Company (CVEC) this morning to learn about about renewable energy production. The students, from grades 10 to 12, toured the various stages and processes of ethanol production at CVEC, which produces 50 million gallons...

[Read Full Article](#)

---

## [Morris Area High School Tours CVEC](#)

(Minnesota Bio-Fuels Association) Thirty students from Morris Area High School toured Chippewa Valley Ethanol Company (CVEC) today to get a better understanding of clean Minnesota-produced renewable energy. “We are always happy to give tours of our plant and explain how the ethanol industry benefits consumers, local farmers and the environment,” said...

[Read Full Article](#)

---

## [Charting your Bioenergy Pathway](#)

(U.S. Department of Energy) Are you a student looking to jumpstart an exciting career in the field of bioenergy? Or are you already employed in a STEM field and looking for additional education and workforce training to pivot into the bioenergy industry? Are you curious about opportunities in the bioenergy industry?

[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**

---

### **[Applications Open for SIMB Diversity Travel Award](#) [DEADLINE: December 16, 2019](#)**

The SIMB Diversity Travel Award has been established to promote diversity and to increase the participation of underrepresented minority groups in the Society for Industrial Microbiology and Biotechnology (SIMB) amongst the graduate students making presentations at the Symposium on Biomaterials, Fuels and Chemicals (SBFC) meeting. Recipients of this award must...

[Read Full Article](#)

---

### **[Symposium on Biomaterials, Fuels and Chemicals — April 26-29, 2020 — New Orleans, LA Diversity Travel Award DEADLINE: December 16, 2019](#)**

The SIMB Diversity Travel Award has been established to promote diversity and to increase the participation of underrepresented minority groups in the Society for Industrial Microbiology and Biotechnology (SIMB) amongst the graduate students making presentations at the Symposium on Biomaterials, Fuels and

Chemicals (SBFC) meeting. Recipients of this award must...

[Read Full Article](#)

---

## [Scholarships Help Bring Students to National Ethanol Conference DEADLINE: January 10, 2020](#)

by Ken Colombini (Renewable Fuels Association) The Renewable Fuels Association is partnering with the Renewable Fuels Foundation to offer scholarships to students who are interested in attending the 25th annual National Ethanol Conference, scheduled for Feb. 10-12, 2020 in Houston. Two scholarships are available to students in higher education to attend...

[Read Full Article](#)

---

## [Tell an Inspiring Story to Move the Planet Forward: Enter to Win our Storyfest Award DEADLINE: January 31, 2020](#)

(Planet Forward at GW) Grand Prize: A storytelling voyage to Iceland with Lindblad Expeditions and Planet Forward in summer 2020! — There is no story more gripping than that of our changing planet — and the solutions to sustain it. While problems from climate to plastic use to conservation abound...

[Read Full Article](#)

---

## [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...

[Read Full Article](#)

---

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

---

## Competitions, Contests

---

### [Exxon Mobil's Designed 2 Scale Challenge DEADLINE: November 15, 2019](#)

(Designed 2 Scale Challenge) Algae-based feedstocks have shown tremendous potential in providing a safe, secure and locally available source of drop-in liquid fuels for the transportation sector. These feedstocks have the potential to not compete with conventional food crops and fresh water resources, and use marginal land for cultivation. Once...

[Read Full Article](#)

---

### [76West Competition Details DEADLINE: November 20, 2019](#)

From competition to commercialization, 76West has the resources your startup needs to succeed — A \$20 million competition with prize money and business development support such as training and mentoring, as well as available tax

incentives. And connect and collaborate with innovators from all walks of life— from Fortune 500 and industry ...

[Read Full Article](#)

---

## [Nominations Open for the 2020 Green Chemistry Challenge Awards DEADLINE: December 31, 2019](#)

(American Chemical Society Green Chemistry Institute) The U.S. Environmental Protection Agency has announced the call for nominations for the 2020 Green Chemistry Challenge Awards. These prestigious national awards honor companies and institutions that have developed a new process or product using green chemistry approaches that helps to protect public health and the...

[Read Full Article](#)

---

## [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...

[Read Full Article](#)

---

***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

---

### [RFA Receives Grants for Ethanol Safety Education](#)

(Renewable Fuels Association) The Renewable Fuels Association has recently been awarded grants to support its safety education program through on-site seminars and Internet webinars. Both grants were received via the association's work with TRANSCAER, a voluntary national outreach effort that focuses on assisting communities to prepare for and respond to...

[Read Full Article](#)

---

### [The 21st Century Geopolitics of Energy: Risks, Vulnerabilities and Opportunities — November 18, 2019 — Washington, DC](#)

One-Day Professional Development Certificate Course for Mid-Career Professionals November 18, 2019 (8:30 am to 4 pm EST) On the Campus of George Washington University in Washington, D.C Choose to attend in person at GW or livestreamed to your location. This one-day GWU professional

development certificate course for mid-career professionals will...

[Read Full Article](#)

---

## [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...

[Read Full Article](#)

---

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

---

## Online Courses

---

### [Resources from Advanced Biofuels USA](#)

by Joanne Ivancic (Advanced Biofuels USA) Looking for resources as you teach or research class projects about climate change mitigation or sustainability? Take a look at what Advanced Biofuels USA has to offer. Complete slide presentations. Easy-to-navigate topics of research from Algae to Zeolites by way of Biorefineries, Feedstocks, Green...

[Read Full Article](#)

---

## [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...

[Read Full Article](#)

---

*For more information about [online courses](#), click on this topic in the Categories list along the right margin of the [Advanced Biofuels USA website](#).*

---

## **Consumer Education**

---

### [Climate Change, Advanced Biofuels and Clean Diesel](#)

(Diesel Technology Forum) When Rudolph Diesel patented his engine over a century ago, it was designed to operate on vegetable oils. Today, most diesel engines are still capable of operating...

[Read Full Article](#)

---

*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

---

### [Take Your Career to the Next Level — Bismarck State College Bachelor of Applied Science in Energy Management](#)

As the biomass industry grows and adapts to new technologies and innovations, qualified supervisors and managers will play an important role in ensuring the profitable operation of facilities well into...

[Read Full Article](#)

---

*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.

---

## Grants

---

For more information about open grants and about research and investment funded by grants, click [here](#).

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](mailto:info@AdvancedBiofuelsUSA.org). We'll send a special card acknowledging your gift.

[Donate!](#)

[Subscribe](#)

**SHARE!**



*Copyright © 2019 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](#)

