

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

Leadership--This Month's Theme

EcoAgriculture Partners Announces Climate Smart Agriculture Training Curriculum

EcoAgriculture Partners, a non-profit, integrated-landscape-management advocacy group, has announced that a new climate smart agriculture (CSA) training curriculum is under development. It will be formally recognized as the Training Curriculum for Climate Smart Agriculture Planning, and its goal will be to assist subnational policymakers enact CSA guidelines on farms and landscapes.



Louise Buck, EcoAgriculture Partners' director of collaborative management, recently participated in Climate Week New York City to not only announce the new curriculum, but also to help facilitate a workshop led by both Cornell Climate Smart Farming Program and the Global Alliance for Climate Smart Agriculture. The workshop was titled, Catalyzing

Action towards Climate-Smart Agriculture, and included discussions on “Enhancing Metrics and the Business Case for CSA” as well as “Scaling up CSA Tools and Practices.”

Drafts for the curriculum are currently under review with the goal of commencing the curriculum in two countries in early 2019. Once the trainings have begun, further assessment of the curriculum will determine whether modifications to the CSA training curriculum will be necessary. [READ MORE](#)

German-Language STEM Workshops at University of Rhode Island for High School Students—CO₂ Experiment



High School students spent time at the University of Rhode Island’s (URI) College of Engineering to participate in the university’s first New England German STEM Immersion Day on November 3, 2018.

In one of the workshops, “Capturing CO₂”, students were led by Michael Eggleston in capturing carbon dioxide gas in a balloon attached to the top of a bottle.



This effect was made possible when ethyl alcohol was produced from yeast being mixed with corn syrup. Students were also exposed to vocabulary that details sustainability, the role that biofuels can play in a sustainable energy transition, and greenhouse gases among other topics via a student friendly crossword puzzle.

The workshop was hosted by the URI German International Engineering Program (GIEP), Goethe-Institut Boston and the American Association of

Teachers of German. One of the intentions of the New England German STEM Immersion Day was to have students practice and/or learn German vocabulary alongside various STEM activities. [READ MORE](#)

Advanced Biofuels USA Makes Presentation Slides Available

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

Teacher Resources

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

[Free On-Demand Streaming of ABLC Global now Open for Viewing, Anywhere, Anytime, Any Device](#)

(Biofuels Digest) Watch ABLC Global presentations on

BioChannelTV. [WATCH VIDEO](#)

November 21, 2018 [Read Full Article](#)

[USA Science & Engineering Festival — April 25-26, 2020 — Washington, DC](#)

The USA Science & Engineering Festival Expo will return to the Walter E. Washington Convention Center in Washington, DC on April 25-26, 2020! Sneak Peek Friday, the ultimate STEM field trip, will offer students and teachers the opportunity to experience the Expo before the general public on Friday, April

24,

November 15, 2018 [Read Full Article](#)

[New ethanolfacts.eu Website Launches](#)

(ePURE) Online resource answers common questions about renewable ethanol and sustainable biofuels — Ethanol Facts, a new online resource for information about renewable ethanol, launched today as part of an effort to help inform the public about the production, use, sustainability and importance of ethanol as a renewable fuel. The ethanolfacts.eu website has been

November 9, 2018 [Read Full Article](#)

[Summer Institute for Climate Change Education — August 5-7, 2019 — Washington, DC](#)

The 14th Annual Summer Institute for Climate Change Education will be in Washington D.C, co-hosted by the Lowell School. Join a network of teachers from across the country dedicated to bringing climate change education into Humanities classrooms! Content will be focused for grades 6-12 teachers in Social Studies/ELA/Political Science/Environmental Studies

November 5, 2018 [Read Full Article](#)

More [Teacher Resources here](#).

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

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

[Student Education and Activities at 2019 GC&E Conference and 9th Annual GSC Conference](#)

The 2019 GC&E Conference and 9th Annual GSC Conference provides a perfect venue to present your research, deepen your understanding through sessions and workshops, network with green chemistry and engineering leaders, and meet fellow peers around from around the world. POSTER COMPETITION Students participating in the poster session have a November 12, 2018 [Read Full Article](#)

[DIVERSITY TRAVEL GRANT AWARD: Symposium on Biotechnology for Fuels and Chemicals — April 28-May 1, 2019 — Seattle, WA DEADLINE: December 7, 2018](#)

The first Symposium on Biotechnology for Fuels and Chemicals was held in 1978 and hosted by Oak Ridge National Laboratory (Oak Ridge, TN). It was the first technical meeting focusing exclusively on the biotechnologically--mediated conversion of renewable feedstocks, especially lignocellulosic plant biomass, to fuels and chemicals. This annual meeting soon
November 12, 2018 [Read Full Article](#)

[Entrepreneurial Impact: The Digest's 2018 Multi-Slide Guide to Cyclotron Road NEXT APPLICATIONS FALL 2019](#)

Cyclotron Road is a fellowship program affiliated with the Lawrence Berkeley National Laboratory that supports leading entrepreneurial scientists as they advance a project with the potential for global impact. Since 2015, more than \$15 million has been awarded to 41 fellows who have gone on to generate more than \$75

November 6, 2018 [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

[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 November 1, 2018 [Read Full Article](#)

[The 40 Hottest Technologies of 2018 – As Voting Gets Underway, the Nominees in Depth](#)

by Jim Lane (Biofuels Digest) All through this month, Digest subscribers have been voting on the 40 Hottest Transformative Technologies in the Advanced Bioeconomy. While the Hot 50 concentrates on organizations — this set of rankings could include a complete process, a component, subprocess, a metabolic pathway, a computational system, a...

October 12, 2018 [Read Full Article](#)

[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 ...

October 2, 2018 [Read Full Article](#)

[Tell a Data Story. Visualize a Better World.](#)

(Google) In collaboration with the World Bank, the United Nations Foundation, and the Global Partnership for Sustainable Development Data, Google Cloud is hosting a data storytelling contest called Visualize 2030. If you're a college or graduate student, this is your chance to make an impact on the global community. From ending ...

October 2, 2018 [Read Full Article](#)

[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...

September 20, 2018 [Read Full Article](#)

[Canadian Competition Aims to Develop Sustainable Aviation Fuels DEADLINE: February 2019](#)

by Erin Voegele (Biomass Magazine) Natural Resources Canada recently announced the Sky's the Limit Challenge, which aims to stimulate the development of sustainable aviation fuel supply chains. The challenge consists of two competitions and aims to reduce greenhouse gas (GHG) emissions and lower the environmental footprint of flying. While the Canadian ...

September 1, 2018 [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.

[WEBINARS: The Digest's Early Stage Webinar Series — On-going](#)

This weekly one-hour webinar series will bring you hundreds of slides, perspectives, voices introducing the hottest emerging technologies, applications, markets and players in the bioeconomy. It's free, and you register

once via a one-time sign-up, and then you'll receive an exclusive alert on each weekly line-up, with your private URL.

July 11, 2018 [Read Full Article](#)

[WEBINARS: Sustainable Aviation Fuel: First Friday Research](#)

[Highlights — on-going](#)

–Webinar series to highlight and question research areas in the sustainable aviation fuel supply chain

Join us in a series of 40 minute lunchtime talks to highlight the research areas key to supporting the creation of ...

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](#).

Online Courses

[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 ...

[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 ...

[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 ...

[@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 ...

Consumer Education

[RFA Releases Updated Brochure Allowing Consumers to Track Latest Flex Fuel Models](#)

(Renewable Fuels Association) More than 24 million vehicles on U.S. roads today are flex fuel vehicles (FFV), capable of running on fuel blends containing up to 85 percent ethanol (E85). Can your vehicle use a cleaner, higher octane flex fuel? The Renewable Fuels Association has updated its annual FFV brochure to help consumers

December 4, 2018 [Read Full Article](#)

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.](#)

[P17-B Ethanol Plant to Rise in Zamboanga](#)

by Antonio P. Rimando (Manila Times) A P17-billion ethanol gas plant will soon be constructed by a consortium in the barangay (villages) of Limaong and Tunitus in this city, former first district Rep. Lilia Macrohon-Nuno said. She said a group of investors from Metro Manila expressed interest to establish the ethanol

December 4, 2018 [Read Full Article](#)

[Ethiopia: Biodiesel Refinery Plant to Start Production](#)

(AllAfrica.com) A biodiesel refinery plant that has a capacity to produce 12,000 liters of biodiesel per day will start operation soon in Adama industrial zone.

The plant owned by a company named API is waiting approvals from the Ministry of Finance and Ethiopian Standards Agency to start production, company CEO, Marcos

December 4, 2018 [Read Full Article](#)

[Study Shows Biodiesel Benefits in the Billions](#)

by Cindy Zimmerman (Energy.AgWired.com) A new study shows that the Biodiesel Tax Credit helped the industry support \$21.6 billion in economy-wide sales, employment for over 60,000 workers with wages and benefits totaling \$3.8 billion, and nearly \$2 billion in state and federal tax revenues combined in 2017. The analysis by FTI Consulting

December 3, 2018 [Read Full Article](#)

[SouthCoast a Possible Site Location for Waste-to-Ethanol Company](#)

by Jennette Barnes (The Standard-Times/Herald News) A Canadian waste-to-ethanol company is looking for its first U.S. location, and the SouthCoast is on the list of possibilities. Montreal-based Enerkem confirmed to The Standard-Times Friday that it has been speaking with local officials and with waste hauler ABC Disposal about using material generated by ABC's

December 3, 2018 [Read Full Article](#)

[Innovative Conversion Technologies: The Digest's 2018 Multi-Slide ABLC Guide to Using Canadian Biomass](#)

by Jim Lane (Biofuels Digest) Bioindustrial Innovation Canada (BIC) is a nationally focused not-for-profit organization based in Sarnia, Ontario, in the county of Lambton. BIC's mission is to provide critical strategic investment, advice and services to business developers of clean, green and sustainable technologies. "Our expertise in commercialization builds a stronger Canada," the

November 30, 2018 [Read Full Article](#)

[Brain Regeneration, Data Storage with Biocomputers, Plastic from Waste Gases, Bamboo Diapers, Gene-Edited Wheat, Jackets from Bison Fluff : The Digest's Top 10 Innovations for the Week of November 29th](#)

by Jim Lane (Biofuels Digest) The pace of bioeconomy invention and change continues at a frenetic pace. Here are the top innovations for the week of November 29th. ... #3 Munich researchers use algae to convert waste gas to carbon fiber In Germany, researchers at the Technical University of Munich are November 30, 2018 [Read Full Article](#)

[European Bioeconomy University: UEF and UNIBO Join Four Universities to Form International Alliance with Focus on Bioeconomy](#)

(Science/Business) Europe's leading universities in the field of the bioeconomy are looking to further intensify their existing cooperation to develop common problem-solving approaches for society's most urgent challenges. JOINT

PRESS RELEASE from the Universities of Hohenheim, Bologna, and Eastern Finland, AgroParisTech, BOKU Vienna, and Wageningen University and Research Think Tank for

November 27, 2018 [Read Full Article](#)

[What Exactly Is the ‘Green New Deal’?](#)

by Hannah Northey (E&E News Climatewire) The proposal, drawing inspiration from President Franklin Roosevelt’s Depression-era New Deal, is one that progressives — led by Rep.-elect Alexandria Ocasio-Cortez (D-N.Y.), a rising star on the left — want Democratic leaders to embrace. The thinking is that a newly revived Select Committee on Energy Independence

November 26, 2018 [Read Full Article](#)

[Executive Interview: Seattle Proudly Advocates for Alternative Fuels](#)

(ACT News) An ACT News Executive Interview with Andrea Pratt, Climate & Transportation Policy Advisor, Drive Clean Seattle Program Manager, City of Seattle, Washington Andrea Pratt is passionate about mitigating climate change. She studied Oceanography at the University of Washington, where climate science figured heavily in the curriculum. She knows the

November 24, 2018 [Read Full Article](#)

[The Digest’s 2018 Multi-Slide ABLC Guide to Antares and Innovations in Harvest, Pre-Processing of Herbaceous Biomass](#)

by Jim Lane (Biofuels Digest) ANTARES has been assisting clients identify and use biomass resources since the company was founded and our experience ranges from conducting feedstock supply assessments to serving as owner's representative in the conceptualization, development and operation of energy plants. A few examples of capabilities include: • Feedstock
November 21, 2018 [Read Full Article](#)

[The Digest's 2018 Multi-Slide ABLC Guide to Anaergia](#)

by Jim Lane (Biofuels Digest) Anaergia is the world leader in solving waste problems by recovering energy, water, and fertilizer from virtually any waste stream. While Anaergia was built on the foundations of highly capable and experienced acquisitions, focused investments on innovation and execution capabilities allow us to deliver facilities that
November 20, 2018 [Read Full Article](#)

['Breakthrough' Harvesting Solution, Growing Market, Potential beyond Biodiesel – All Good Signs for Castor Oil's Future](#)

by Helena Tavares Kennedy (Biofuels Digest) A 'breakthrough' mechanical harvesting solution for castor bean plants was developed by Evogene and agricultural equipment manufacturer, Fantini s.r.l., resulting in the removal of a major bottleneck in the conversion of castor beans into a fully modernized commercial crop. With field trial yield losses decreasing significantly
November 19, 2018 [Read Full Article](#)

[DuPont Will Repay \\$10.5 Million in State Incentives, under Approved Settlement](#)

by Donnelle Eller (Des Moines Register) DuPont will give Iowa a big check — \$10.5 million — after closing and selling the world's largest cellulosic ethanol plant in Nevada. Iowa economic development leaders approved a settlement Friday that calls for DuPont to repay all but about \$3.7 million it received in November 16, 2018 [Read Full Article](#)

[Spanish Energy Companies Increase Efforts towards Renewable Gas Development](#)

(Enagas/NGV Journal) Enagás' CEO Marcelino Oreja and Ence's CEO Ignacio de Colmenares have signed an agreement to develop projects that aim to obtain renewable gases from biomass. The goal is to use excess biomass to generate green hydrogen and synthetic natural gas. These non-electric renewable energies can be used in industrial November 16, 2018 [Read Full Article](#)

[More RFS Exemption Requests Monroe Energy, Pennsylvania Gov. Wolf Want Full RFS Waiver](#)

by Todd Neeley (DTN The Progressive Farmer) Pennsylvania's governor and state refining interests are putting pressure on EPA to grant waivers to the Renewable Fuel Standard program, just ahead of the agency's Nov. 30 deadline to finalize new biofuels volumes for the upcoming year. Monroe Energy, LLC, requested a waiver on November 16, 2018 [Read Full Article](#)

[It Might Be Giant: The Digest's 2018 Multi-Slide Guide to Nanocellulose, American Process Style](#)

by Jim Lane (Biofuels Digest) A few years back, Research & Markets startled the bio world when they projected that the “Nanocellulose Market by Type (Cellulose nanocrystals, Cellulose nanofibrils, cellulose nanocomposites, and others) would reach \$250 Million by 2019, signifying annualized CAGR of 19% between 2014 and 2019. Heft growth indeed, and a survey
November 15, 2018 [Read Full Article](#)

[3D Printed Bio-Eyes, Biobased Surfactants, Duckweed's Comeback, Cow Poop Fabric, Starch Algae Opp, Disney Goes Bio, Alt Tuna: The Digest's Top 10 Innovations for the Week of November 14th](#)

by Jim Lane (Biofuels Digest) The pace of bioeconomy invention and change continues at a frenetic pace. Here are the top innovations for the week of November 7th. In today's Digest, 3D printed Bio-eyes, biobased surfactants, duckweed's comeback, cow poop fabric, starch algae opp, Disney goes bio, alt tuna — these
November 15, 2018 [Read Full Article](#)

[Federal University of Goiás Holds an Event on the Impacts of Brazilian Biofuels Policy](#)

by Bruno Roque and Jakeline de Oliveira * (University of Goiás/Advanced Biofuels USA) The New Brazilian Policy for biofuels called RenovaBio was one of the topics addressed at the 15th Congress of Research, Education and Extension (Conpeex) held on October 16, 2018, at Federal University of Goiás

(UFG in Portuguese).

November 14, 2018 [Read Full Article](#)

[Greenbelt Initiates CBE Project to Produce Bioethanol for CBD Extraction](#)

(Greenbelt Resources Corporation/Globe Newswire) Greenbelt Resources Corporation (OTC: GRCO) (Greenbelt) has announced commencing Phase 1 of the “California BioEthanol Project,” a three-phased initiative to convert Greenbelt’s Commercial Scale Testing Facility into a commercial-scale production biorefinery. Upon Phase 1 completion, the biorefinery will produce approximately 1.37 million pounds of protein concentrate and 75,000

November 14, 2018 [Read Full Article](#)

[The Digest’s 2018 Multi-Slide Guide to Biobased Chemicals](#)

by Jim Lane (Biofuels Digest) IEA Bioenergy Task 42’s goal is to contribute to the development and deployment of integrated biorefineries as part of highly efficient sustainable value chains (co-)producing food/feed ingredients, chemicals, materials, fuels, power and/or heat out of sustainably sourced biomass (wood, crops, residues, etc.) as base for a global

November 13, 2018 [Read Full Article](#)

[Chemical Valley Positions Itself as the Home of the Country’s Emerging Bioeconomy](#)

by Tim Lougheed (Chemical Institute of Canada) ... Over the past decade, however, this neighbourhood has been evolving in response to emerging

environmental and social priorities that promise to alter supply chains that have traditionally been dominated by petroleum. The scene now includes a new generation of chemical processors who are

November 12, 2018 [Read Full Article](#)

[Valero and Darling Ingredients Announce \\$1.1 Billion Plant Upgrade](#)

(Biofuels International) A major renewable diesel plant in Norco, Louisiana is to expand capacity to 675 million gallons per year. This will include a facility to produce 50 to 60 million gallons of renewable naphtha. The Diamond Green Diesel Plant is a joint venture between a Valero subsidiary and Darling Ingredients.

November 12, 2018 [Read Full Article](#)

[Hiring an Expert Witness in Bioeconomy Litigation](#)

by Wayne Lee (Lee Enterprises Consulting/Biofuels Digest) In August 2017, I published an article which focused on important things that attorneys involved in biofuels or biochemical litigation should look for when choosing an expert witness. This article explores the subject of expert witnesses in a bit more depth, including where to find

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[Just in from ABLC: The Digest's 2018 Multi-Slide Guide to Hot Technologies and Their Examples](#)

by Jim Lane (Biofuels Digest) Each year at ABLC, we have had the great fortune to have in our opening panel a tremendous sector overview from Roger

Wyse, the Co-CEO of Spruce Capital and one of the foremost venture capitalists in the US and before that one of our top researchers.

November 12, 2018 [Read Full Article](#)

[Heard on the Floor: Reflections and the Buzz from ABLC Global 2018](#)

by Jim Lane (Biofuels Digest) It was, at times, not unlike the old trading floor of the Chicago Board of Trade and that was no coincidence, for there was optimism abounding and the deal-talk that flows from a general feeling that the advanced bioeconomy is, to use Amyris' Joel Cherry's characterization,

November 12, 2018 [Read Full Article](#)

[U.S. Ethanol Producers Feeling the Pinch from Trump Trade War](#)

by Jarrett Renshaw, Michael Hirtzer (Reuters) U.S. ethanol producers drew a bleak picture of their industry in quarterly filings and analyst calls this week, detailing how the critical farm belt business has been devastated by President Donald Trump's trade war with China and biofuels management policies that they say have tilted toward oil

November 12, 2018 [Read Full Article](#)

[Deal Inked for Biofuel Research](#)

(The Hindu) The Department of Biotechnology (DBT) has signed a three-year, Rs. 11 crore deal with The Energy and Research Institute to set up a centre to produce "advanced biofuels and bio-commodities." This is the fifth such dedicated centre for bioenergy-research and development set up by the

Department. The others are

November 10, 2018 [Read Full Article](#)

[The Biofuture We Need: A Brief Video Introduction](#)

(Biofuture Platform) This short documentary film, prepared in partnership with BluOrange, presents an introduction to the main goals of the Biofuture Platform and the overall context behind them — We are very pleased to announce the release of “The Biofuture We Need”, a short video documentary produced in partnership with BluOrange. The video

November 9, 2018 [Read Full Article](#)

[Biodiesel – The World’s Most Eco-Friendly Fuel Already in Georgia!](#)

(Georgia Today) As a result of successful Austrian-Georgian cooperation, the first biodiesel enterprise has opened in Georgia. Martin Mitelbak, PHD Doctor of Chemistry; Murman Patariaia, the founder of Biodiesel Georgia; Rusudan Ramazashvili, General Director of Frego; and Kakha Karchkhadze, renowned researcher of Renewable Energy at Ilia State University, managed to implement

November 9, 2018 [Read Full Article](#)

[Fueling Growth in the Biodiesel Industry](#)

by Donnell Rehagen (National Biodiesel Board/Biodiesel Magazine) As we near the end of 2018, the biodiesel industry has seen some significant progress as we work towards sustainable industry growth. Today, biodiesel is creating an impact and presence in the current marketplace and is showing up as a leading

player in the

November 9, 2018 [Read Full Article](#)

[The Bioeconomy 2019: The Digest's 2018 Multi-Slide Guide to Advanced Bioeconomy Development Priorities](#)

by Jim Lane (Biofuels Digest) What's next in the biobased revolution? After fuels, chemicals, say many. What's the role of incentives, the size of the opportunity and the potential rewards for a region? The Iowa Economic Development Authority took a look at development priorities — and how these relate to Iowa's capabilities

November 9, 2018 [Read Full Article](#)

[Waste Feedstock Superstore: The Digest's 2018 Multi-Slide Guide to Darling Ingredients](#)

by Jim Lane (Biofuels Digest) Darling Ingredients today provides a global growth platform for the development and production of sustainable natural ingredients from edible and inedible bio-nutrients. With a variety of processing operations in over 200 locations on five continents, they create a wide range of products and customized specialty solutions

November 7, 2018 [Read Full Article](#)

[Entrepreneurial Impact: The Digest's 2018 Multi-Slide Guide to Cyclotron Road NEXT APPLICATIONS FALL 2019](#)

Cyclotron Road is a fellowship program affiliated with the Lawrence Berkeley National Laboratory that supports leading entrepreneurial scientists as they

advance a project with the potential for global impact. Since 2015, more than \$15 million has been awarded to 41 fellows who have gone on to generate more than \$75

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[Federal Investments in Algae Cultivation Technologies Paying Big Dividends](#)

by Matt Carr (Algae Biomass Organization/Biofuels Digest) Algae-derived products and technologies are on the cusp of changing nearly everything. Algae will transform how we eat; will make the materials in your shoes more sustainable; provide fuel for vehicles and planes; recycle greenhouse gases and deliver many more products that have yet to be commercialized. ...

There is a

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[The Complex Dynamics of Coprocessing](#)

by Ron Kotrba (Biodiesel Magazine) While oil refiners adding a small percentage of renewable feedstock to their operations sounds simple, the political, economic, technical, societal and market consequences are anything but. In 2007, at the height of the biodiesel boom, ConocoPhillips and Tyson Foods announced a partnership to coprocess animal fats

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[Consultative Expansion](#)

by Ron Kotrba (Biodiesel Magazine) Biodiesel Magazine spotlights a producer whose recent acquisition fulfills increased feedstock demand, a consulting firm

that assists in market entry and production efficiencies, and the expansion of one of today's fastest-growing biodiesel refiners. — BioJoe Renwick, founder and co-owner of Winnsboro, South Carolina-based Green Energy Biofuel, is November 6, 2018 [Read Full Article](#)

[Jet Biofuel Mass Production to Begin in Japan](#)

by Akane Okutsu (Nikkei Asia Review) Biotech company euglena teams with ANA to fuel green commercial flights — Japan's biotechnology company euglena is to start mass production of bio jet fuel and biodiesel out of algae and waste oil, with the aim of being the first company to fuel green commercial flights out of Japan.

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[For the Times They Are a Changin' – Conversions Abound from Diesel to Renewable Diesel](#)

by Helena Tavares Kennedy (Biofuels Digest) ... Phillips 66 and REG's announcement about a new renewable diesel plant on the U.S. West Coast planned for 2021 comes after a notable increase in refineries that are being converted and changed over to renewable diesel. Change is good, especially in this case. ... While it was

November 5, 2018 [Read Full Article](#)

[The Grand Challenge of Cellulosic Biofuels](#)

by Lee R. Lynd (Energy Today/Nature Biotechnology/Dartmouth College) Why cellulosic biofuels have fallen short of expectations and what we can do about it. — A robust second-generation biofuels industry based on inedible cellulosic

biomass available as wood, grass, and various wastes was widely expected to be in place by now. Anticipated benefits

November 5, 2018 [Read Full Article](#)

[Half of Any Fish Caught Ends up as Waste or By-Product, EUMOFA Study](#)

(Fish Information and Services) The report on blue bioeconomy published by the European Market Observatory for Fisheries and Aquaculture Products. — Researchers from the European Market Observatory for Fisheries and Aquaculture Products (EUMOFA) have determined that over 50 per cent of any fish caught or farmed is not consumed directly and that

November 2, 2018 [Read Full Article](#)

[Phillips 66, REG to Build Renewable Diesel Plant in Washington](#)

(Renewable Energy Group Inc./Biomass Magazine) Phillips 66 and Renewable Energy Group Inc. announced Nov. 1 that planning is underway for the construction of a large-scale renewable diesel plant on the U.S. West Coast. The plant would utilize REG's proprietary BioSynfining technology for the production of renewable diesel fuel. Planned feedstocks include

November 2, 2018 [Read Full Article](#)

[Galicia Government Opens Renewable Gas Unit, Able to Supply 3,000 NGVs](#)

(Xunta de Galicia/NGV Journal) The Minister of Economy, Employment and Industry, Francisco Conde, said the new Mixed Research Unit (UMI) of

Renewable Gas, located in A Coruña, has the potential to change the energy model of urban mobility in the region. Thus, according to the official, through this initiative, in which

November 1, 2018 [Read Full Article](#)

[Woolley Fuel Marks 10 Years of Biodiesel Service](#)

by Cindy Zimmerman (Energy.AgWired.com) Woolley Fuel of New Jersey is celebrating its 10th year as a distribution location providing high quality biodiesel to consumers across the Garden State. Woolley Fuel was started in 1924 by two brothers Herbert and Norman W. Woolley Sr. Their desire was to start a coal company similar

November 1, 2018 [Read Full Article](#)

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](#).

[CALL FOR ABSTRACTS: International Conference on Renewable Resources & Biorefineries — June 3-5, 2019 — Toulouse, France DEADLINE: January 15, 2019](#)

Based on the previous RRB conferences, this conference is expected to welcome about 350 international participants from over 30 countries. Delegates from university, industry, governmental and non-governmental organizations and venture capital providers will present their views on industrial

biotechnology, sustainable (green) chemistry and agricultural policy related to the use of

December 3, 2018 [Read Full Article](#)

[CALL FOR ABSTRACTS, GREEN PRODUCTS FOR SHOWCASE: Green Chemistry & Engineering/ International Green and Sustainable Chemistry Conference — June 11-13, 2019 — Call for Abstracts DEADLINE: January 14, 2019](#)

Green Chemistry & Engineering/ International Green and Sustainable Chemistry Conference's Call for Abstracts is open until January 14, 2019. The symposia descriptions around this year's theme of "Closing the Loop" of the chemical life cycle can be found

on <http://gcande.org/program/symposia>. Abstract acceptance notifications will go out February 25, 2019. Apply to

November 25, 2018 [Read Full Article](#)

[CALL FOR PAPERS: BioCycle WEST COAST19 — April 1-4, 2019 — Portland, OR DEADLINE: December 10, 2018](#)

Accepting abstracts now for presentations on April 2-3, 2019. BioCycle WEST COAST19 includes four tracks of sessions. Abstracts should be no longer than 250 words. Deadline for abstract submittal is December 10, 2018. Abstract selection will be completed by December 21, 2018; notifications will be emailed on or before that date. Speakers will

November 15, 2018 [Read Full Article](#)

[CALL FOR POSTERS AND PAPERS: 12th International Conference on Bio-based Materials — May 15-16, 2019 — Maternushaus, Cologne, Germany DEADLINE: late December 2018](#)

Bioeconomy: Evolution of the Bioeconomy: Survival of the Fittest? Learning from Success. Despite the harsh environment, a few innovative companies find markets for their new bio-based building blocks, chemicals and polymers. We will introduce you to the technology leaders our planet needs for a sustainable future. Today, PLA is produced

November 12, 2018 [Read Full Article](#)

[CALL FOR PAPERS: 7th Conference on Carbon Dioxide as Feedstock for Fuels, Chemistry and Polymers — March 20-21, 2019 — Maternushaus, Cologne, Germany DEADLINE: unclear](#)

Topics: Carbon Capture, Hydrogen, Fuels for cars and aviation, Chemicals and Polymers as well as Mineralisation and Proteins Meet the leading international experts at one of the leading events on Carbon Capture and Utilization (CCU) in the world ++ More than 200 leading international experts in CO2 utilization and 20 exhibitors

November 12, 2018 [Read Full Article](#)

[CALL FOR ABSTRACTS: Symposium on Biotechnology for Fuels and Chemicals — April 28-May 1, 2019 — Seattle, WA DEADLINE: December 7, 2018](#)

The first Symposium on Biotechnology for Fuels and Chemicals was held in 1978 and hosted by Oak Ridge National Laboratory (Oak Ridge, TN). It was the first technical meeting focusing exclusively on the biotechnologically--mediated conversion of renewable feedstocks, especially lignocellulosic plant biomass, to fuels and chemicals. This annual meeting soon

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[CALL FOR ABSTRACTS: Sardinia Symposium 2019 — September 30-October 4, 2019 — Cagliari, Italy](#)
[DEADLINE: February 15, 2019](#)

After celebrating our 30-year anniversary in 2017, the next edition of the Sardinia Symposium to be held in 2019 is looking better than ever with a success that goes from strength to strength, making the Sardinia Symposia the most important solid waste management conference in the world. The secret of

November 7, 2018 [Read Full Article](#)

[CALL FOR PAPERS: Global Summit on Waste to Energy \(GSWE-2019\) — February 28 – March 1, 2019 — New Delhi, India](#)
[DEADLINE: unclear](#)

The Global Summit on Waste to Energy (GSWE-2019) brings together its best ever faculty of international Waste to Energy CEOs, developers, bankers, private equity financiers, technology providers and industrial end users for two days of intensive networking. With a firm focus on advanced conversion technologies, the summit addresses the need

October 29, 2018 [Read Full Article](#)

[CALL FOR ABSTRACTS: Tech Connect World Innovation Conference and Expo — June 17-19, 2019 — Boston, MA DEADLINE: December 14, 2018](#)

For over 20 years the TechConnect World Innovation Conference and Expo has connected top applied research and early-stage innovations from universities, labs, and startups with industry end-users and prospectors. The 2019 TechConnect World Innovation event includes the annual SBIR/STTR Spring Innovation Conference, Spring Defense TechConnect, the TechConnect Technical Program –
October 26, 2018 [Read Full Article](#)

[CALL FOR PAPERS: Biomass Trade Europe Summit — February 20-21, 2019 — Rotterdam, The Netherlands DEADLINE: uncertain](#)

ACI' is pleased to announce the 4th edition of a successful series of events, now with a more specific focus & name, Biomass Trade Europe Summit. The event will bring together senior executives and experts from the biomass trading industry, biomass producers, energy companies, policy makers, consultants, technology innovators and leading
August 2, 2018 [Read Full Article](#)

[CALL FOR SPEAKERS: Energy Storage 2019 — January 23-24, 2019 — Brussels, Belgium DEADLINE: uncertain](#)

Comprehensive Market Analysis To Establish The Necessary Design Changes To The Existing Model ACI's 9th Energy Storage 2019 Conference will be

taking place on the 23rd and 24th of January in Brussels, Belgium. The conference will bring together senior representatives from European energy suppliers, developers of storage technologies and suppliers energy storage services, policy regulators

August 2, 2018 [Read Full Article](#)

[CALL FOR PAPERS: 2nd Global Summit on Chemistry and Chemical Engineering — February 18-19, 2019 — Frankfurt, Germany DEADLINE: unclear](#)

Aim: To promote quality research and real-world impact in an atmosphere of true international co-operation between scientists, engineers and industry by bringing together the world class researchers, International Communities and Industrial heads to discuss the latest developments and innovations in research field. The Scientific Federation is an expert-driven non-profit international

April 24, 2018 [Read Full Article](#)

Grants

[US Forest Service Opens RFP for Wood Innovations Program DEADLINE: January 23, 2019](#)

by Erin Voegelé (Biomass Magazine) The U.S. Forest Service is seeking grant applications for its Wood Innovations Program, which aims to support projects that expand wood product and wood energy markets, reduce wildfire risk, and improve forest health. The Forest Service issued the request for proposals

(RFP) on Oct. 24, in...

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[Department of Energy Announces \\$98 Million for 40 Transformative Energy Technology Projects; Fuel Cell Projects Funded for \\$12.5M](#)

(FuelCellsWorks) The U.S. Department of Energy announced \$98 million in funding for 40 new projects as part of OPEN 2018, the Advanced Research Projects Agency-Energy's (ARPA-E) latest open funding opportunity. These funds will support some of America's top energy innovators' R&D projects as they seek to develop technologies to transform the

November 22, 2018 [Read Full Article](#)

[40 Mistakes That Will Kill a Proposal](#)

by C.J. Evans (Lee Enterprises/Biofuels Digest) It is not enough to just have a game-changing idea, concept, or innovation. Nor is it enough to just add a top-notch team, detailed workplan, and sufficient inhouse and outside expertise to move through each of the nine TRL levels. You need to be able to

November 16, 2018 [Read Full Article](#)

[2019 Energy Innovation Seed Grant Announcement](#)

(University of Maryland) The Maryland Energy Innovation Institute (MEI2) is focused on translating university energy research into new clean energy companies in the State of Maryland and thus simultaneously benefiting our environment and creating high paying jobs to help our State economy.

MEI2 proposes a unique opportunity through the following seed

November 14, 2018 [Read Full Article](#)

[DOE Announces SBIR/STTR FY 2019 Phase I Release 2 Topics](#)

(U.S. Department of Energy) As part of last week's posting of topic areas for Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) research and development proposals, the Office of Energy Efficiency and Renewable Energy (EERE) announced 12 topics to fund more than 100 new projects, totaling approximately \$20 million. Nine

November 14, 2018 [Read Full Article](#)

[ASU Teams Find New Ways to Harness CO2 to Reduce Biofuel Costs](#)

(Arizona State University/Biomass Magazine) The U.S. Department of Energy has announced 36 projects that together have been awarded \$80 million to support early-stage bioenergy research and development. Two Arizona State University research teams are among the grantees, with the grants to ASU totaling about \$4.5 million. The two teams are headed

November 12, 2018 [Read Full Article](#)

[Federal Investments in Algae Cultivation Technologies Paying Big Dividends](#)

by Matt Carr (Algae Biomass Organization/Biofuels Digest) Algae-derived products and technologies are on the cusp of changing nearly everything. Algae will transform how we eat; will make the materials in your shoes more

sustainable; provide fuel for vehicles and planes; recycle greenhouse gases and deliver many more products that have yet to be commercialized. ...

There is a

November 6, 2018 [Read Full Article](#)

[USDA Seeks to Revise, Extend Information Collection on BIP Grants COMMENT DEADLINE: December 11, 2018](#)

by Erin Voegele (Ethanol Producer Magazine) USDA's Farm Service Agency has opened a public comment period on the revision and extension of a currently approved information collection associated with FSA Biofuel Infrastructure Partnership Grants to states. A notice published in the Federal Register indicates the information collection was originally needed for November 5, 2018 [Read Full Article](#)

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

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