

## ACS MATTERS

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from the American Chemical Society



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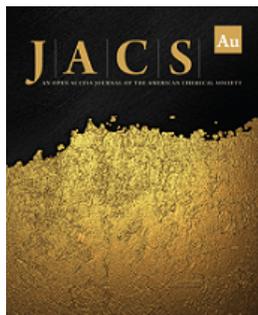
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Nominations for ACS Fellows open until April 1! | **March 24, 2020**

## FEATURE

### New from ACS Publications: *JACS Au*

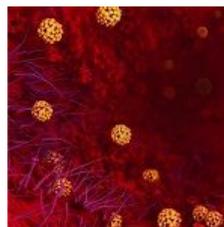


ACS Publications is proud to announce the launch of the Society's newest open-access journal — *JACS Au* (referred to as "JACS Gold"). *JACS Au* will be a sister journal to the flagship *Journal of the American Chemical Society (JACS)*. This fully open-access journal will allow for the rapid dissemination of cutting-edge, high-impact research across the breadth of chemistry and all related areas intersecting with chemistry.

A fully independent, global, and diverse editorial team will be appointed to identify the most exciting, impactful and novel science from authors who require or desire to publish in a fully open-access journal. Visit the [JACS Au homepage](#) to read the announcement and FAQs, and to sign up for notifications when the journal opens for submissions and starts publishing articles.

## COVID-19 RESOURCES & INFORMATION

*As a leading scientific society and publisher of scientific research and information, ACS is committed to helping combat the global COVID-19 pandemic. Toward that end, ACS has created this [resource center](#) for our members, researchers, policymakers, educators, students, media, and the general public. Please feel free to share these resources as you see fit.*



### Understanding Coronavirus

#### [Everything We Know About the COVID-19 Coronavirus](#)

A collection of articles on coronavirus from *Chemical & Engineering News (C&EN)*, including these articles from this week's issue:

- [How we know disinfectants should kill the COVID-19 coronavirus](#)
- [Chemistry departments deal with coronavirus closures](#)
- [Stepping up to the hand sanitizer shortage](#)

- [COVID-19 coronavirus weighs on economy, chemicals](#)
- [How small chemical company leaders are dealing with the coronavirus](#)

#### [Can Soap REALLY "Kill" the Coronavirus?](#)

A special *ACS Reactions* video explaining how soap and water can be the leading weapon in killing the coronavirus.

#### **Scientific Research on COVID-19**

##### [Research and Development on Therapeutic Agents and Vaccines for COVID-19 and Related Human Coronavirus Diseases](#)

A special report produced by CAS, a division of ACS, that provides an overview of published COVID-19 scientific information, highlighting antiviral strategies involved in coronavirus infection and replication. Available in the Society's open-access journal, *ACS Central Science*.

##### [Chemistry in Coronavirus Research](#)

Coronavirus research published across the more than 60 peer-reviewed ACS journals, compiled in a free-to-read virtual issue.

##### [PubMed](#)

ACS joined other publishers in making all COVID-19 related research published in ACS journals freely and immediately available in the National Institutes of Health PubMed database.

Visit the ACS website for [more links to resources and trustworthy scientific information](#) about COVID-19 and coronavirus.

## **ADVANCE & LEARN WITH ACS**

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*Even though a lot of us are working from home and practicing social distancing, that doesn't mean the chemistry community can't stay connected and informed. Have a look at the online knowledge resources below that ACS has available for you...*

#### **AACT Resources Unlocked Through March 31**



In response to the growing need to teach chemistry remotely, [selected resources from the American Association of Chemistry Teachers \(AACT\)](#) are unlocked and freely available to the chemistry community through March 31. These resources include activities, animations, projects, simulations, videos, and more for elementary school, middle school, high school, and Advanced

Placement/general chemistry. A [complete list of unlocked resources](#) is available on the AACT website.

#### **Free Webinar on April 2: Helping to Improve Global Health**

Across the globe, millions of people are at an increased risk of illness or death due to poor quality control for medicine. The next free online event from ACS Webinars, "How You Can Improve Global Public Health" (Thursday, April 2, 2:00-3:00 PM ET) focuses on this issue.



During this [free, interactive broadcast](#), discover how volunteering with U.S. Pharmacopeia (USP) can contribute to improving the quality of global public health and ensure the quality of medicines, dietary supplements, and foods.

#### **What You Will Learn...**

- Learn how the USP's mission makes it possible for 2 billion people around the world to have access to quality medicines, dietary supplements, and foods
- Discover how USP volunteers contribute to improving the quality of global public health
- Identify ways your practical experience can empower a healthy tomorrow through working with USP

### Next AGRO Lunch & Learn Webinar: Natural Products for Pest Management and Plant Health



The next event in the AGRO Lunch & Learn Webinar Series is "History, Status, and Future Potential of Natural Products for Pest Management and Plant Health," on April 15, 12:00-1:00 PM ET. The presenter will be Dr. Pamela G. Marrone, CEO and founder of Marrone Bio Innovations (MBI) and winner of the 2019 AGRO Award for Innovation in Chemistry of Agriculture. Marrone started MBI in 2006 to discover and develop bio-based products for pest management and plant health. The company's award-winning products are used in fruit, nut, vegetable, and

row crop markets. MBI is also marketing Zequanox<sup>®</sup> for invasive zebra and quagga mussels. MBI has several more products in the pipeline, including a biofumigant and three bioherbicides. [Register online today!](#)

### ACS Virtual Classrooms Are Ready to Help You Land Your Next Job

Register for complimentary online [Virtual Classrooms](#), where you'll learn live from skilled experts, helping you achieve your career goals and get the boost you need to succeed in your career.



#### Making the Most of Your Interview: Outshine the Competition (April 15, 12:00-2:00 PM ET)

Participate in critical practice interview scenarios that teach you how to anticipate and handle difficult questions while developing thoughtful, robust responses that leave a lasting impression with hiring staff. [Learn more.](#)

#### Setting Yourself Up for Success in an Interview (April 29, 12:00-2:00 PM ET)

Learn how to successfully navigate the stages of the interview process and identify critical performance factors from job announcement media. This course will also teach you how to relate your experience and values to the organizational values and job requirements of potential employers. [Learn more.](#)

Visit the [ACS Virtual Classrooms](#) home page for the full schedule and links to all upcoming events.

### Webinar on Writing Grant Proposals and Funding Opportunities for PUIs



The ACS Office of Research Grants and the Council for Undergraduate Research invite you to participate in "Writing Grant Proposals and PRF Funding Opportunities for PUIs," a webinar taking place on Tuesday, April 28, at 2:00 PM ET. This webinar will cover basic grant writing tips, the proposal evaluation process, and PRF funding

opportunities directed specifically to primarily undergraduate institutions. The webinar is recommended both for professors who are seeking research program funding and for institution grant officers. Get more information and [register online today!](#)

# ACS CAREER NAVIGATOR

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## Career Perspectives: Bill Carroll, Carroll Applied Science, L.L.C.



### **How do I maintain morale and motivation while working for an inexperienced boss?**

"Before I go deeply into detail, my basic answer is: you will do so because..." [read more](#)

## Innovation Zone: Bill Provine, Founder, President and Chief Executive Officer, Delaware Innovation Space



### **As President and CEO of the Delaware Innovation Space, what does a typical day look like in your role?**

"There really is no typical day. The mission of the Delaware Innovation Space is to..." [read more](#)

*Adapted from the March 19, 2020 weekly edition of ACS Industry Matters. To subscribe, click [here](#).*

### C&EN Jobs - Latest Postings

**c&en** JOBS

- Algorithm Development, Informatics Postdoc | National Center for Advancing Translational Sciences | Rockville, MD
- Tenure-Track, Assistant Professor of Chemistry | University of North Alabama | Florence, AL
- Director | Office of Pollution Prevention and Toxics, U.S. EPA | Washington, DC
- Lecturer/Senior Lecturer in Food/Pharmaceutical Process Engineering | University of Melbourne | Melbourne, Australia

## ACS NEWS

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### Apply by April 1 for Support from the ACS Bridge Program



The mission of the [ACS Bridge Program](#) is to diversify the graduate student population in the chemical sciences. The program is currently accepting applications from students interested in pursuing graduate education. Currently, the ACS Bridge Program has 10 participating departments located throughout the U.S. Bridge Program students enter programs that provide research experience, advanced coursework, mentoring, and coaching in preparation of graduate school applications. Visit [www.acs.org/bridge](http://www.acs.org/bridge) for eligibility guidelines and to apply. Applications are due April 1.

### Applications Open Soon for Global Innovation Grants (GIG)

Applications will open on April 1 for the [Global Innovation Grants](#) (GIG), sponsored by the ACS Committee on International Activities (IAC). The GIG assists ACS Technical Divisions, Local Sections, International Chapters, and Committees with travel, projects, and events. Grants of up to \$5,000 will be

available. All projects should support IAC strategic interests and catalyze new international collaborations and partnerships dedicated to solutions to global challenges. The deadline for applications is Friday, April 20, at 5:00 PM ET. For more information, [visit the GIG home page](#) or send e-mail to [intlacts@acs.org](mailto:intlacts@acs.org).



### Just-Released Discovery Report: The Future of Plastic



Plastic is everywhere because few materials match its versatility. Glass, aluminum, and cardboard are single products with comparatively limited applications. When it comes to reuse, however, the homogeneity of those materials is advantageous. According to 2017 data from the Environmental Protection Agency, the U.S. recycled just 8.4% of the 32 billion kg of plastic that consumers threw away. That pales in comparison to the recycling rates for glass (26.6%), metal (33.3%), and paper (65.9%). If chemistry helped get the world into this mess, surely it can help get us out. In this newest [Discovery Report](#), *C&EN* examines the developing strategies that could complement traditional plastic recycling.

### ACS in the News: *Daily Mail*

"Wearing clothes can release more microfibres than washing them, study finds" (from *Daily Mail*, March 9, 2020)



"Wearing clothes can release greater quantities of microfibres to the environment than washing them, a study has found. Scientists compared four different items of polyester clothing and how many fibres were released when they were being worn and washed.... The [study](#), published in the journal *Environmental Science and Technology*, compared four different items of clothing in size large."

### Office Essentials at the Click of a Button



Shop online for [all your office supply needs](#), including home office essentials like printers, ink, toner, paper, and more. From pens to protractors, U.S.-based ACS Members can save up to 10% off the everyday web price on more than 30,000 office supplies available through the [ACS Office Depot Partner Program](#), plus free delivery on qualifying orders greater than \$50! Register at [www.1800member.com/od-acs](http://www.1800member.com/od-acs) or call 1-800-636-2377. Once registered, you can shop in store or online. [Sign up today](#) and start saving!

### C&EN - This Week's Headlines

- [C&EN, Table of Contents, March 23 issue](#)
- [2020 Priestley Medalist JoAnne Stubbe digs deep into the details of enzymes](#)
- [70 years of U.S. suspicion toward Chinese scientists—and what those caught in the middle should do now](#)
- [How companies are getting 1,4-dioxane out of home and personal care products](#)
- [Why Japan's chemical firms still make drugs](#)
- [Ilham Kadri is reshaping Solvay](#)
- [Your new job sucks. Now what?](#)
- [Periodic Graphics: The elements of fertilizers](#)
- [A chemist enters a popular TV baking competition, and a cat food discovery](#)



## PHUN & GAMES

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### #PeriodicPlayoff: It's the Last Four!



Only four elements remain in the 2020 #PeriodicPlayoff: silver, carbon, oxygen, and hydrogen. It was the end of the line for Cinderella tungsten at the hands of carbon.

Potassium put up a good fight but was ultimately no match for oxygen. And 2019 champion silver, the favorite entering this year's contest, continues to run over the competition. Rounding out the final four is hydrogen, who squeezed by helium. [Pick your favorites today](#) out of the remaining four to decide who will square off in the final; voting ends for this round on Tuesday, March 31, at 12:00 noon ET.

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