



ACS MATTERS

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May 12, 2020

FEATURE

Introducing Chemistry at Home, A New Distance Learning Resource

ACS has compiled hands-on virtual learning resources for students in grades K-12+, and for anyone interested in learning a little more about the practical applications of chemistry in everyday life at www.acs.org/chemistryathome. Educational resources are now available, organized by topic, to aid parents, teachers and the science-curious in knowledge enrichment during this time of distance learning.



Materials from the [Reactions video series](#), C&EN, magazines from the ACS Education Division, and ACS' portfolio of hands-on activities for students in grades K-12 and beyond have been organized and bundled together. These resources focus on five sections: The Earth, Water, Food, Health & Your Body, and The Periodic Table.

This week, explore how chemistry is at the heart of staying healthy with the Health & Your Body section. We encourage you to share your pictures doing fun ACS Chemistry at Home projects and lessons, and tag them [#ACSChematHome](#).

REMOTE RESOURCES & LEARNING OPPORTUNITIES

COVID-19 Perspectives: Carolyn Ribes, Business Analytical Leader, The Dow Chemical Company



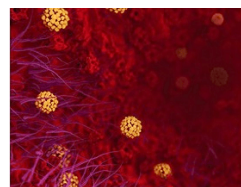
Scientific discovery relies on information exchange, a significant portion of which occurs at face-to-face meetings. How should the scientific community adapt to the damage COVID-19 inflicted on this critical component on the information exchange supply line?

"It seems to be a dogma that wars generate innovations. This war against this virus appears not different: We're seeing a rapid exchange of scientific information..." [read more from past What I Learned contributors.](#)

(Adapted from the COVID-19 Special Reports series in *ACS Industry Matters*. To subscribe, [click here](#).)

COVID-19 Resources and Information

As a leading scientific society and publisher of scientific research and information, ACS is committed to helping combat the global COVID-19 pandemic, and has launched several special initiatives for the fight, including a [special COVID-19 resource center](#) for members, researchers, policymakers, educators, students, media, and the public.



ACS Publications has curated special collections and free-to-read [virtual issues](#) with the latest research published in ACS journals. Additionally, *Chemical & Engineering News* (C&EN) has built an expanding [collection of articles on COVID-19 research](#) as well as the pandemic's impact on chemical scientists, their careers, and their workplaces.

Register Today to Save Your Spot for the GC&E Virtual Conference



Save your spot and register for the [24th Annual Green Chemistry and Engineering \(GC&E\) Virtual Conference](#), June 15-19, 2020. Complimentary registration is brought to you by the ACS Green Chemistry Institute[®] (ACS GCI) and our GC&E Virtual Conference Sponsors. If you're interested in advancing sustainable science and solutions to global challenges, this is one conference you don't want to miss. [Sign up now](#) to join nearly 2,000 of your colleagues who have already registered!

This Week's Free ACS Webinars: Pandemic Updates, Brewery Chemistry

Enjoy **FREE** live webinars from ACS, Tuesday through Thursday every week, led by subject-matter experts. Register and join us for this week's free webinars,



and visit ACS Webinars online for a look at [upcoming programming](#), as well as the expansive [webinars archive](#).

Understanding the Scientific and Medical Aspects of the Pandemic - *Wednesday, May 13, 2:00 PM ET (live broadcast)*. Jonathan Lai of Albert Einstein College of Medicine and Raymond Forslund of Syner-G discuss the scientific aspects of the current pandemic, as well as lessons learned from previous outbreaks to help policymakers develop better approaches to current and future threats.

Face Masks: Materials, Disinfection, and Reuse during COVID-19 - *Thursday, May 14, 2:00 PM ET (live broadcast)*. Join Supratik Guha, Pritzker School of Molecular Engineering, University of Chicago, and Argonne National Laboratory, and Yi Cui of Stanford University as they discuss the important factors regarding fabrics for cloth masks and how we can reuse respirators and other personal protection equipment.

Cloudiness in Beer: Considerations and Chemistry - *Friday, May 15, 2:00 PM ET (rebroadcast)*. During this edited recording, Dr. Charlie Bamforth, the Anheuser-Busch Endowed Professor of Malting & Brewing Sciences at UC-Davis, discusses the science involved in beer turbidity, both sensory and chemical, as well as how the brewer can ensure that the customer gets what they want from their beer!

Safety Considerations During the Pandemic, from an Expert



In the latest "On the Safe Side" column in ACS Industry Matters, [safety expert Ken Fivizzani explains](#) how to set a good example as a scientist during this pandemic, how "I don't know" is an acceptable answer to COVID-19 questions, and more. You can find an archive of safety columns from the newsletter [here](#).

AGRO Webinar: How Pesticides Protect Public Health and Food Supplies

The next AGRO Lunch & Learn Webinar is "The Role of Pesticides to Protect Public Health and the Food Supply," to be held tomorrow, May 13, 12:00-1:00 PM ET. The presenter will be Dr. Eliza Dunn, M.D., an emergency medicine physician and medical toxicologist with a long-standing interest in global health. Dr. Dunn is the Medical Outreach Lead for Bayer Crop Science, and is also on the faculty of Washington University. She lectures nationally and internationally on a diverse range of topics in medical toxicology and global health. [Register online today!](#)



Reactions: Where Are We with Coronavirus Drugs, and What's Next?



Antiviral drugs could help us fight the new coronavirus, but currently, we don't have a highly potent, effective antiviral that cures COVID-19. Why not? The *Reactions* team [called a few virologists to find out.](#)

Reactions is a video series produced by ACS and PBS Digital Studios. You can subscribe to *Reactions* on [YouTube](#) and follow us on [Twitter](#).



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Register Today to Discover Your Leadership Potential

Our online, self-paced online ACS Leadership Development System[®] offers insight into the four main areas of core leadership competency (personal capability, interpersonal skills, focusing on results and setting a clear direction) and the overarching character competency.



Choose from topics like [Managing Projects Effectively](#), [Matching Interests with Goals](#), [Becoming an Effective Contributor](#), [Succession Planning](#), [Understanding Members' Interests](#), and [Running Productive Meetings](#).

C&EN Jobs - Latest Postings

c&en JOBS

- Crystallization Engineer | Johnson Matthey | Devens, MA
- Postdoc (m/f/d) High Throughput Polymer Synthesis | Helmholtz-Zentrum Geesthacht | Geesthacht or Teltow, Germany
- Chemical Waste Management Specialist | Lawrence Berkeley National Laboratory | Berkeley, CA
- Junior Group Leader position in Organic Synthesis | Czech Academy of Sciences (IOCB Prague) | Prague, Czech Republic

ACS NEWS

2020 Heroes of Chemistry

Congratulations to the teams from AST Products Inc., DuPont and Janssen - our 2020 Heroes of Chemistry! [This award](#) recognizes industrial chemists whose work has led to the development of successful commercialized products ingrained with chemistry for the benefit of humankind. [Heroes of Chemistry](#) is ACS's highest honor for chemical scientists working in industry. [Read the C&EN coverage on this year's winners](#) or [read the press release](#).



Apply by May 18 for Global Innovation Grants (GIG)



Applications are being accepted until May 18 for the [Global Innovation Grants \(GIG\)](#), sponsored by the ACS Committee on International Activities (IAC). The GIG assists ACS Local Sections, Technical Divisions, International Chapters, and Committees with funding for 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 solving global challenges. The deadline for applications is Monday, May 18, at 5:00 PM ET. For more information, visit the [GIG home page](#) or send e-mail to intlacts@acs.org.

Keep Connected with Virtual Grad Student Organizations

Do you miss the camaraderie of lab and graduate school with your friends? While you're home, consider connecting with them virtually and taking the first steps to create an [ACS-Graduate Student Organization \(GSO\)](#). ACS-GSOs are communities for graduate students who are interested in networking, outreach, career preparation, and



professional development within an ACS connected community. If you're part of an existing GSO within your department or a graduate student interested in starting an ACS-GSO, you can learn more [here](#).

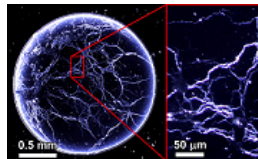
Want to Create a Will, but Don't Know Where to Start?



According to Google Trends, Americans are researching "creating a will" more than ever before. If you are among those seeking that kind of advice right now, you can find it in the [Wills and Living Trusts](#) page of the ACS Legacy Planning website. On this page, you can download a free copy of "A Guide to Making Your Will," and also learn how you can include ACS in your estate plans in as little as one sentence. This type of donation to ACS helps ensure that we carry out our mission for years to come. For more information, please contact Mary Bet Dobson, CAP® at 202-872-6210 or PlannedGifts@acs.org.

ACS in the News: ABC News

"The beautiful patterns left behind when whiskey dries"
(from ABC News, May 2, 2020)



"It started with a sabbatical and a case of whiskey. Time away from the usual research and teaching responsibilities -- and a bit of inspiration.... The continuation of that research, [published](#) in March in the journal *ACS Nano*, shows how it's possible to identify certain American whiskeys using the patterns left behind when they dry up."

Special Memorial Day Savings on Lenovo Technology Products



Take advantage of your [member-only Lenovo discounts](#) on special Memorial Day savings opportunities: from now until May 31, 2020, you can [receive up to 55% off](#) select technologies! Lenovo's exceptional customer service and hassle-free buying experience make it easy for you to

upgrade the technology products you use every day for home, work, or school. You can also sign up for MyLenovo Rewards to earn credits toward future purchases. Be sure to check the [ACS Member Savings Program](#) page often for the latest discounted offers, or call 1-800-426-7235, ext. 3881 (Monday-Friday, 9:00 AM-9:00 PM ET; Saturday, 9:00 AM-6:00 PM ET).

C&EN - This Week's Headlines

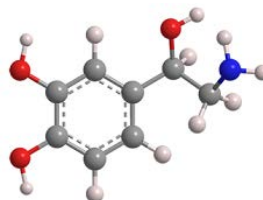


- [C&EN, Table of Contents, May 11 issue](#)
- [Coronavirus dims chemistry job market prospects](#)
- [Questioning the value of general chemistry labs](#)
- [How big pharma firms are quietly collaborating on new coronavirus antivirals](#)
- [During the coronavirus pandemic, hospitals have taken unprecedented steps to disinfect N95 face masks](#)
- [C&EN's top 50 U.S. chemical producers for 2019](#)
- [Want a faculty position? Get ready to wait](#)
- [What is an allergy sensitizer, and how does a chemical become one?](#)
- [STEM-ucation in the time of the coronavirus](#)
- [Cell studies suggest some repurposed drugs could block replication of SARS-CoV-2](#)
- [Students will take the Advanced Placement chemistry exam in a modified format](#)
- [Evonik to boost drug actives capacity in Germany](#)
- [U.S. National Science Board outlines vision for science in 2030](#)
- [Computational researchers pledge openness in COVID-19 studies](#)

PHUN & GAMES

MOTW: Blame Me When Your Hair Turns Gray

Since most of us have been sequestered for a couple of months - unable to keep up with salon visits and hair coloring - [this recent Molecule of the Week \(MOTW\)](#) probably hit pretty close to home for some of us! You can find the latest MOTW brainteaser at the bottom of the [ACS home page](#) every week.



Many of the molecules in this popular feature (which has been running since 2001!) are suggested by website visitors, and every structure is reviewed by a scientist and displayed in 3-D and flat images with a brief description. Each week's molecule also links to a sample record from the [CAS REGISTRY](#), which is searched using [SciFinder®](#). Each record displays the registry number, index name and synonyms, bibliographic information, and more, so you can totally nerd out on your molecular minutiae.

You can check out the MOTW [archive](#), send molecule suggestions to motw@acs.org, and follow MOTW on [Twitter](#).

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