



www.acs.org/acswebinars



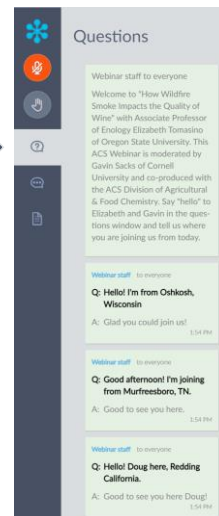
Questions or Comments?

Type them into the questions box!



"Why am I muted?"

Don't worry. Everyone is muted except the Presenter and the Host. Thank you and enjoy the show.



1

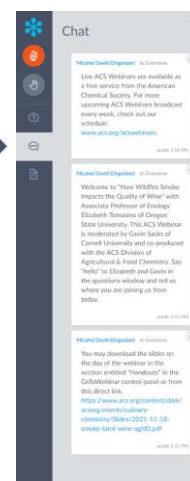
1



www.acs.org/acswebinars



Chat
Announcements and hyperlinks from our team



2

2



www.acs.org/acswebinars



Let's Get Social!

Follow the American Chemical Society on Twitter, Facebook, Instagram, and LinkedIn for the latest news, events, and connect with your colleagues across the Society.



Contact ACS Webinars® at acswebinars@acs.org

3



www.acs.org/acswebinars



Where is the Webinar Recording?



All Registrants

Watch the unedited recording linked in the **Thank You Email** for 24 hours.



ACS Members w/Premium Package

Visit the [ACS Webinars® Library](#) to watch the **edited and captioned** recording.

4

A Career Planning Tool For Chemical Scientists



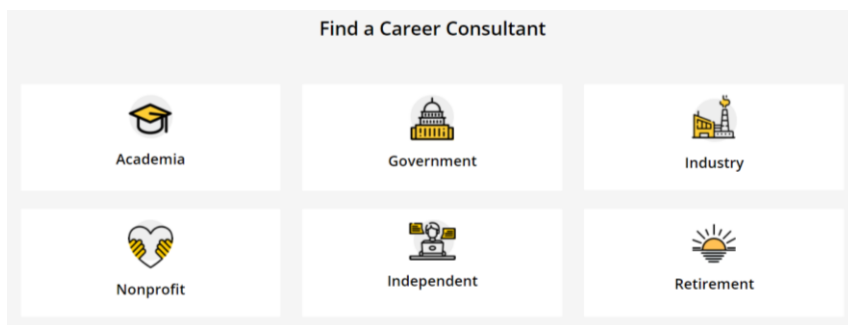
ChemIDP is an Individual Development Plan designed specifically for graduate students and postdoctoral scholars in the chemical sciences. Through immersive, self-paced activities, users explore potential careers, determine specific skills needed for success, and develop plans to achieve professional goals. **ChemIDP** tracks user progress and input, providing tips and strategies to complete goals and guide career exploration.

<https://chemidp.acs.org>

5

5

Career Consultant Directory



- ACS Member-exclusive program that allows you to arrange a one-on-one appointment with a certified ACS Career Consultant.
- Consultants provide personalized career advice to ACS Members.
- Browse our Career Consultant roster and request your one-on-one appointment today!

www.acs.org/careerconsulting

6

6

ACS Career Resources



Professional Development & Education

<p>ACS Professional Education Starting and taking opportunities from being exposed to new things, courses and ideas for your career.</p>	<p>ACS Leadership Development A suite of flexible, self-paced courses for getting your leadership skills ready to go.</p>	<p>ACS Institute An online learning portal that offers a virtual collection of learning and training resources designed by leading experts.</p>
<p>Virtual Classrooms Brought to you by ACS Career Pathways™, these online classrooms can provide exposure to key job areas and your career goals.</p>	<p>ACS Webinars Hundreds of webinars presented by subject matter experts in the chemical enterprise.</p>	<p>Career Events Free webinars and networking opportunities for the chemical enterprise professionals.</p>
<p>ACS on Campus Free events where students can interact with top researchers, learn and bring home ACS offers and get career tips.</p>	<p>Paradise to Faculty Workshop An annual workshop for postdoctoral fellows transitioning to faculty positions in the chemical enterprise.</p>	<p>Career Kick-Starters Workshop A one-day career development workshop for graduate students and postdoctoral fellows.</p>

Managing Your Career

<p>ACS Career Pathways™ Helping students discover their own unique talents in industry, higher education, government, and working for yourself.</p>	<p>Career Consultants Personalized consulting guidance to make more meaningful career decisions and find better fit in your job search.</p>	<p>ChemISP® ACS Institute developed the platform for graduate students and postdoctoral fellows.</p>	<p>Résumé Review Get 100% of your résumé reviewed with 100% feedback to support your job search.</p>
--	--	---	---

Register for a 2023 Virtual Office Hour

2 FEB	Academia vs. Industry February 2, 2023	2 MAR	Networking March 2, 2023
6 APR	Acing the Interview April 6, 2023	4 MAY	Careers in Industry May 4, 2023
1 JUN	Entrepreneurship June 1, 2023	6 JUL	Is grad school right for me? July 6, 2023
3 AUG	Careers in Government August 3, 2023	7 SEP	The Basics of Building Resilience September 7, 2023
5 OCT	Skydiving into Retirement October 5, 2023	2 NOV	Finding and securing an internship November 2, 2023
		7 DEC	Careers in Academia December 7, 2023

<https://www.acs.org/content/acs/en/careers/personal-career-consulting.html>

<https://www.acs.org/content/acs/en/careers/developing-growing-in-your-career.html>

7

7

ACS Bridge Program



Are you thinking of Grad School?

If you are a student from a group underrepresented in the chemical sciences, we want to empower you to get your graduate degree!

The ACS Bridge Program offers:

- A FREE common application that will highlight your achievements to participating Bridge Departments
- Resources to help write competitive grad school applications and connect you with mentors, students, and industry partners!

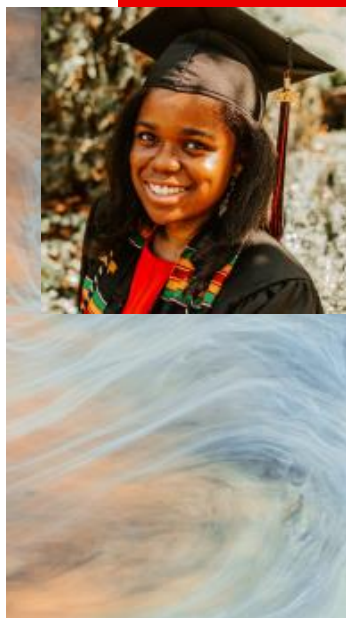


Learn more and apply at www.acs.org/bridge

Email us at bridge@acs.org

8

8



ACS Scholar Adunoluwa Obisesan

BS, Massachusetts Institute of Technology, June 2021
(Chemical-biological Engineering, Computer Science & Molecular Biology)

"The ACS Scholars Program provided me with monetary support as well as a valuable network of peers and mentors who have transformed my life and will help me in my future endeavors. The program enabled me to achieve more than I could have ever dreamed. Thank you so much!"

GIVE TO THE
ACS SCHOLARS PROGRAM

Donate today at www.donate.acs.org/scholars

9

ACS OFFICE OF DEIR

Advancing ACS' Core Value of Diversity, Equity, Inclusion and Respect



Resources

<p>Inclusivity Style Guide</p> <p>Designed to help staff and members use language and images that respect diversity in all its forms.</p> <p>→</p>	<p>ACS Webinars on Diversity</p> <p>Covering diversity and inclusion at the workplace</p> <p>→</p>
<p>ACS Publications DEIR Hub</p> <p>See what ACS Publications is doing for fostering inclusivity in scholarly publishing</p> <p>→</p>	<p>ACS Volunteer and ACS Meetings Code of Conduct</p> <p>Fostering a positive and welcoming environment for attendees, volunteers and staff.</p> <p>→</p>
<p>C&EN Trailblazers</p> <p>C&EN highlights scientists from different backgrounds who are making an impact in chemistry.</p> <p>→</p>	<p>NEW! Download DEIR Educational Resources</p> <p>Download this educational guide for additional recommendations on videos, articles, books, podcasts, and more on diversity, inclusion, and related topics.</p> <p>→</p>
<p>Quick Guide: Inclusion Moments</p> <p>Learn more about what Inclusion Moments are and see ideas to host them during your meetings.</p> <p>→</p>	<p>Quick Guide: How to host inclusive in-person events</p> <p>Recommendations and best practices to ensure that your events can accommodate everyone.</p> <p>→</p>

Diversity, Equity, Inclusion, and Respect

**Adapted from definitions from the Ford Foundation Center for Social Justice:

Equity**

Seeks to ensure fair treatment, equality of opportunity, and fairness in access to information and resources for all. We believe this is only possible in an environment built on respect and dignity. Equity requires the identification and elimination of barriers that have prevented the full participation of some groups.

Diversity**

The representation of varied identities and differences (race, ethnicity, gender, disability, sexual orientation, gender identity, national origin, tribe, caste, socio-economic status, thinking and communication styles, etc.) collectively and as individuals. ACS seeks to proactively engage, understand, and draw on a variety of perspectives.

Inclusion**

Builds a culture of belonging by actively inviting the contribution and participation of all people. Every person's voice adds value, and ACS strives to create balance in the face of power differences. In addition, no one person can or should be called upon to represent an entire community.

Respect

Ensures that each person is treated with professionalism, integrity, and ethics underpinning all interpersonal interactions.

<https://www.acs.org/content/acs/en/about/diversity.html>

10

10

TWENTY-SEVENTH ANNUAL GREEN CHEMISTRY & ENGINEERING CONFERENCE

June 13-15, 2023 | Long Beach, CA

Closing the Loop: Chemistry For a Sustainable Future

Call for Abstracts

Submit by February 13, 2023



gcande.org



ACS Green Chemistry Institute
Chemistry for Life

11



Reactions

68K subscribers

Search

BRINE OR NAH? What Science Says About Brining Your Bird 4.9K views · 7 days ago	SUGAR-FREE GUMMY BEAR DISASTER Some Sugar-Free Gummy Bears Are Lethal. No, Really. 4.9K views · 2 weeks ago	ALL THE DIGITAL DATA IN THE WORLD Is It All the Future of Data Storage? 4.9K views · 1 month ago	SALTY & BITTER Why Does Salt Change the Taste of Everything? 8.2K views · 2 months ago	GRADING MAPLE SYRUP How Do They Make Maple Syrup? 17K views · 2 months ago	Making Drinking Water From Seawater 7.6K views · 2 months ago	WRONG! How Do We Drown a Building Without Exploding Everything Around It? 6.4K views · 8 months ago	HYDROGEN BOND? You Don't Understand Water (and Neither Does Anyone Else) 15K views · 8 months ago
How Roundup Kills Weeds (and How Weeds are Fighting Back) 9.7K views · 2 months ago	PENCILS GRAPHENE NANOTUBES RUCKYBAL'S Carbon Structures from Pencils to Jetpacks 4.9K views · 1 month ago	WINE & FOOD Are Wine & Food Pairings All Nonsense? 5.5K views · 2 months ago	HOW QUININE CAUSED WORLD WAR ONE 8.2K views · 3 months ago	THIS TOXIC GAS IS RESPONSIBLE FOR ALMOST ALL OUR FOOD 14K views · 3 months ago	WHY THIS NUMBER MATTERS What's in 'Premium' Gas? 12K views · 8 months ago	How is Climate Change Affecting Hibernation Patterns of Animals? 5.2K views · 10 months ago	WHAT IS AN ELECTRON? 9.7K views · 10 months ago
WHAT HAPPENS TO SPACE JUNK? SPACE TRASH? R. Chemistry 5.5K views · 4 months ago	CAN SCIENCE REPLACE MY ACTUAL BLOOD? 7.2K views · 4 months ago	HOW IS WHISKEY MADE? A DEEPER DIVE INTO DISTILLING 4.9K views · 5 months ago	Your Gas Stove is Polluting Your Home 1K views · 1 month ago	We Made Pop Rocks at Home with Science 13K views · 11 months ago	I Am Gold To Prove a Point 12K views · 11 months ago	How Do Hydrogen Fuel Cells Work? 44K views · 11 months ago	How Oxygen Masks Brought Down a Plane 10K views · 1 year ago

<https://www.youtube.com/c/ACSReactions/videos>

12

12



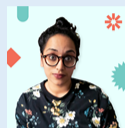
Looking for a new science podcast
to listen to?



Check out Tiny Matters, from the American Chemical Society.



Sam Jones, PhD
Science Writer & Exec Producer



Deboki Chakravarti, PhD
Science Writer & Co-Host

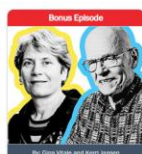
TO SUBSCRIBE
visit <http://www.acs.org/tinymatters> or
scan this QR code



13

13

c&en's
STEREO
CHEMISTRY



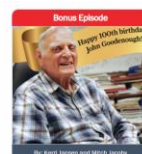
Bonus Episode
Carolyn Bertozzi and K. Barry Sharpless chat about sharing the 2022 Nobel Prize in Chemistry
December 6, 2022



Bonus Episode
Bioorthogonal, click chemistry clinch the Nobel Prize
October 5, 2022



Episode #46
Lithium mining's water use sparks bitter conflicts and novel chemistry
September 13, 2022



Bonus Episode
Happy 100th birthday, John Goodenough!
For John Goodenough's 100th birthday, Stereo Chemistry revisits a fan-favorite interview with the renowned scientist
July 25, 2022



Bonus Episode
CHEMCONVOS
Jess Wade on Wikipedia and work-life balance
June 21, 2022



Bonus Episode
TINY MATTERS
The sticky science of why we eat so much sugar
May 31, 2022



Bonus Episode
There's more to James Harris's story
April 27, 2022



Bonus Episode
The helium shortage that wasn't supposed to be
March 24, 2022

Subscribe now to C&EN's podcast

VOICES AND STORIES FROM THE WORLD OF CHEMISTRY



cen.acs.org/sections/stereo-chemistry-podcast.html

14

14

ACS Industry Member Programs

- **ACS Industry Matters**

ACS member only content with exclusive insights from industry leaders to help you succeed in your career. #ACSIndustryMatters

Preview Content: acs.org/indnl

- **ACS Innovation Hub LinkedIn Group**

Connect, collaborate and stay informed about the trends leading chemical innovation.

Join: bit.ly/ACSinnovationhub

15



IUPAC Global Women's Breakfast 2023



Breaking Barriers in Science

14 February 2023

Do bring along your friends
from all disciplines. All genders
are welcome!

iupac.org/gwb

#GWB2023



16

16



www.acs.org/acswebinars



TOMORROW!



Thurs., Feb. 9, 2023 | 2:00-3:00pm ET

More Tips for Publishing in ACS Journals

Co-produced with ACS on Campus and ACS Publications

NEXT WEEK!



Wed., Feb. 15, 2023 | 2:00-3:00pm ET

Being Seen, Heard, and Influencing Chemistry as Black Women

Co-produced with ACS Office of Diversity, Equity, Inclusion & Respect

NEXT WEEK!



Thurs., Feb. 16, 2023 | 2:00-3:00pm ET

Crossroads of Chemistry: Decisions, Opportunities and Finding your Path

Co-produced with ACS Committee on Science

Register for Free

Browse the Upcoming Schedule at www.acs.org/acswebinars

17

17



www.acs.org/acswebinars



**THIS ACS WEBINAR®
WILL BEGIN SHORTLY...**

👋 Say hello in the questions window!

18

18



www.acs.org/acswebinars



Download the
Presentation Slides
Under Handouts Section



ACS Webinars[®]
CLICK • WATCH • LEARN • DISCUSS

Breaking Barriers: Women in Green and Sustainable Chemistry



FRANCESCA KERTON, PhD

Professor, Department of
Chemistry, Memorial
University of Newfoundland
& Co-Chair of 2023 ACS
Green Chemistry and
Engineering Conference, &
Associate Editor, RSC
Sustainability



LAURA MCCONNELL, PhD

Bayer Science Fellow, Bayer
Crop Science & Deputy
Editor, ACS Agricultural
Science and Technology



JULIANA VIDAL, PhD

Program Manager,
Beyond Benign



AUDREY MOORES, PhD

Professor, Department
of Chemistry, McGill
University & Associate
Editor, ACS Sustainable
Chemical & Engineering



Adelina Voutchkova-
Kostal, PhD

ACS Director of Sustainability,
American Chemical Society and
Associate Professor of Chemistry
and Co-Director MS
Environmental and Green
Chemistry Program, George
Washington University

This ACS Webinar[®] is co-produced with the ACS Green Chemistry Institute.

19

19

Green Chemistry

“Design of processes and products that minimize, or ideally eliminate, the use and generation of substances hazardous to human health and the environment.”

- Improve knowledge on toxicology and ecotoxicology
- Changing general public's perspective
- Economically profitable



$$\downarrow \text{RISK} = \downarrow \text{HAZARD} \times \downarrow \text{EXPOSURE}$$

Anastas, P. T.; Warner, J. C. *Green Chemistry: Theory and Practice*. Oxford University Press: 1998.
TechNavio. *Global Green Chemicals Market 2019-2023*, 2019.

©Juliana Vidal

20

20

Sustainable Chemistry

“Resources, including energy, should be used at a rate at which they can be replaced naturally, and the generation of wastes cannot be faster than the rate of their remediation.”

- Planetary boundaries
- Systems thinking
- Circularity



“We do not inherit the earth from our ancestors; we borrow it from our children” Moses Henry Cass

Horváth, I. T. *Chem. Rev.* 2018, 118, 2, 369–371

21

21

Green Chemistry and the UN SDGs

Green Chemistry: Interconnection between social, economic, and environmental aspects

Intrinsic systemic and inclusive approach of **Green Chemistry** essential for the achievement of the United Nations' Sustainable Development Goals (UN SDGs).



Anastas, P.; Nolasco, M.; Kerton, F.; Kirchoff, M.; Licence, P.; Pradeep, T.; Subramaniam, B.; Moores, *ACS Sustainable Chem. Eng.* 2021, 9 (24), 8015–8017.
Anastas, P. T.; Zimmerman, J. B. *Curr. Opin. Green Sustain. Chem.* 2018, 13, 150–153, ©Juliana Vidal

22

22



Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

The United Nations has defined how many Sustainable Development Goals?

- 5
- 10
- 15
- 17
- 21

* If your answer differs greatly from the choices above **tell us in the chat!**

23

23

Gender Equality for a Sustainable Future



UN SDG #5: Potential to compromise the fulfilment of all other 17 UN SDGs if not achieved

Contributions of women in social, economic, and environmental systems crucial for achieving a sustainable future: **Women as Important Agents of Change**

Brosché, S. Women, Chemicals and the SDGs. Strategic Approach to International Chemicals Management (SAICM) and International Pollutants Elimination Network (IPEN), 2020. Medupin, C. *Sustainability* 2020, 12 (17), 7116. ©Juliana Vidal

24

24

The Current Situation

After 30 years, role of women as agents of systemic change still needs to be recognized, acknowledged, strengthened, and drastically amplified.

“Women have a vital role in environmental management and development. Their full participation is essential to achieve a sustainable development.”



Report of the United Nations Conference on Environment and Development - Vol. I: Resolutions Adopted by the Conference; United Nations (UN): Rio de Janeiro, Brazil, 1992. Warth, L.; Koparanova, M. Empowering Women for Sustainable Development; United Nations Economic Commission for Europe (UNECE): 2012. 25

25

Women vs Green Chemistry



©Juliana Vidal

26

26



Women in Green Chemistry and Engineering: Agents of Change Toward the Achievement of a Sustainable Future

Amy S. Cannon, Danielle Julie Carrier, Abigail S. Engelberth, Jeannette M. Garcia, Eunice Heath, King Kuok (Mimi) Hii, Francesca M. Kerton, Banothile Makhubela, Audrey Moores, Liane M. Rossi, Juliana L. Vidal, Adelina Voutchkova-Kostal, and Karen Wilson

Cite this: *ACS Sustainable Chem. Eng.* 2022, 10, 9, 2859–2862
 Publication Date: March 7, 2022
<https://doi.org/10.1021/acssuschemeng.2c00982>
 Copyright © Published 2022 by American Chemical Society

Article Views	Allmetric	Citations
1856	51	-

LEARN ABOUT THESE METRICS

Share Add to Export

ACS Sustainable Chemistry & Engineering

©Juliana Vidal 27

27

Sustainability Central to ACS Core



The ACS GCI/Office of Sustainability aims to:

- (i) **catalyze** and enable the equitable implementation of Green and Sustainable Chemistry and Engineering throughout the global chemical enterprise and the Society
- (ii) **empower** chemists to identify and develop chemistries consistent with sustainable development, circularity and preservation of human and ecosystem health.

28

Green Chemistry Institute

Empowering people to reimagine chemistry and engineering for a sustainable future.



Vision

A sustainable future facilitated by the transforming power of chemistry and engineering.

Mission

To catalyze the implementation of innovative approaches to chemistry and engineering that enable sustainable development across the globe.

Strategic Areas

Science	Education	Industry	Equity
Advance research, scholarship and innovation in green and sustainable chemistry and engineering	Enable the implementation of green chemistry and engineering across the education sector	Accelerate the industrial adoption of green and sustainable chemistry and engineering	Facilitate equity in the adoption of green chemistry, engineering, and sustainability practices worldwide

American Chemical Society

<https://www.acs.org/greenchemistry>

29

29

ACS Campaign for a Sustainable Future



SUMMITTS: MOBILIZE CHEMISTS TO CONTRIBUTE TO SDG'S



GREEN AND SUSTAINABLE CHEMISTRY PLATFORM



SUSTAINABLE CHEMISTRY GRANTS PROGRAM

American Chemical Society

30


30

ACS Campaign for Sustainable Future
ZERO HUNGER SUMMIT


How will Chemistry Help Eliminate Hunger?

Join us for a special virtual event
December 5 – 8, 2022

Register at acs.org/ZeroHungerSummit



ACS
Chemistry for Life®

Is publishing in the chemical sciences gender-biased?
Royal Society of Chemistry 2019

Is there a gender gap in chemical sciences scholarly communication?
Day, A. E.; Corbett, P.; Boyle, J.
Chemical Science 2020, 11 (8), 2277-2301

Is There Really a Barrier for Women?

©Juliana Vidal & Francesca Kerton

Women, Publishing, Biases & Actions



Women are more likely to have an article rejected without review

Biases exist at each step of publishing. They appear minor in isolation, yet their combined effect puts women at a significant disadvantage

ACTION: RSC Publishing aims to reflect their research community

Recruit and train reviewers, editorial board members & associate editors to reflect the current gender balance of our research community (~36% women)



Why are publishers monitoring this and taking action?

Ensuring that the community fairly rewards and retains a more diverse range of voices will lead to better science and by extension will benefit society (e.g. UN SDG5)

Is publishing in the chemical sciences gender-biased?
Royal Society of Chemistry 2019

©Juliana Vidal & Francesca Kerton 33

33

Women Leaders in Sustainable Chemistry Publishing

ACS Sustainable Chemistry & Engineering

– 6 of 16 associate editors are women

Green Chemistry

– 1 of 2 associate editors and 2 of 5 editorial board members are women

RSC Sustainability (new journal)

– 2 of 5 associate editors are women

“When women participate in governance, there is a greater chance policies will reflect more closely the needs of all citizens.”

Organisation for Economic Co-operation and Development

©Juliana Vidal & Francesca Kerton 34

34

Special Issues Highlighting Women's Research



EDITORIAL
published: 04 October 2023
doi: 10.3389/fchem.2021.772175



<http://pubs.acs.org/journal/aelccp>

Women Scientists at the Frontiers of Research: A Virtual Issue

Editorial: Women in Science: Chemistry



DOI: 10.1002/cctc.201901187

CHEM-CAT-CHEM
Editorial

Cite This: *ACS Energy Lett.* 2022, 7, 328–342

CSIRO PUBLISHING

Aust. J. Chem. 2020, 73, 823–824
https://doi.org/10.1071/CHV73n10_FO

Women in Chemistry 2020

Frances Separovic

School of Chemistry, Bio21 Institute, University of Melbourne, Me
Australia. Email: fs@unimelb.edu.au



Meet the Women of Catalysis

Petra E. de Jongh,^[a] Deryn E. Fogg,^[b] Li-Zhu Wu,^[c] and Sandra González-Gallardo*^[d]



<http://dx.doi.org/10.21577/0103-5053.20190224>

J. Braz. Chem. Soc., Vol. 30, No. 10, 1999, 2019
Printed in Brazil - ©2019 Sociedade Brasileira de Química

Editorial

For Gender Equality in Science

©Juliana Vidal & Francesca Kerton

35

Hi, I'm Juliana

Program Manager, Higher Education at **Beyond Benign: Green Chemistry for a Sustainable Future**

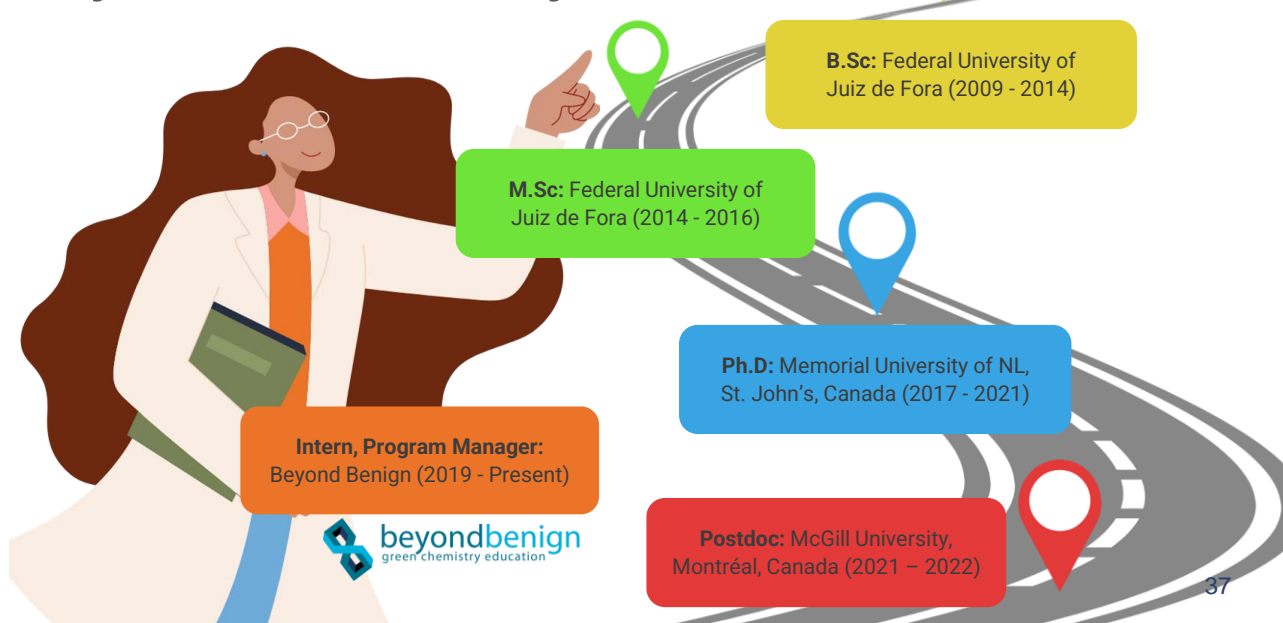


- Green Chemistry in 2013;
- BSc in valorization of silver residues;
- MSc treating formaldehyde solutions;
- Passion for science communication;
- Green Chemistry Education;
- Sustainability at the molecular level;
- Chemists with skills for our future.

36

36

My Green Chemistry Road

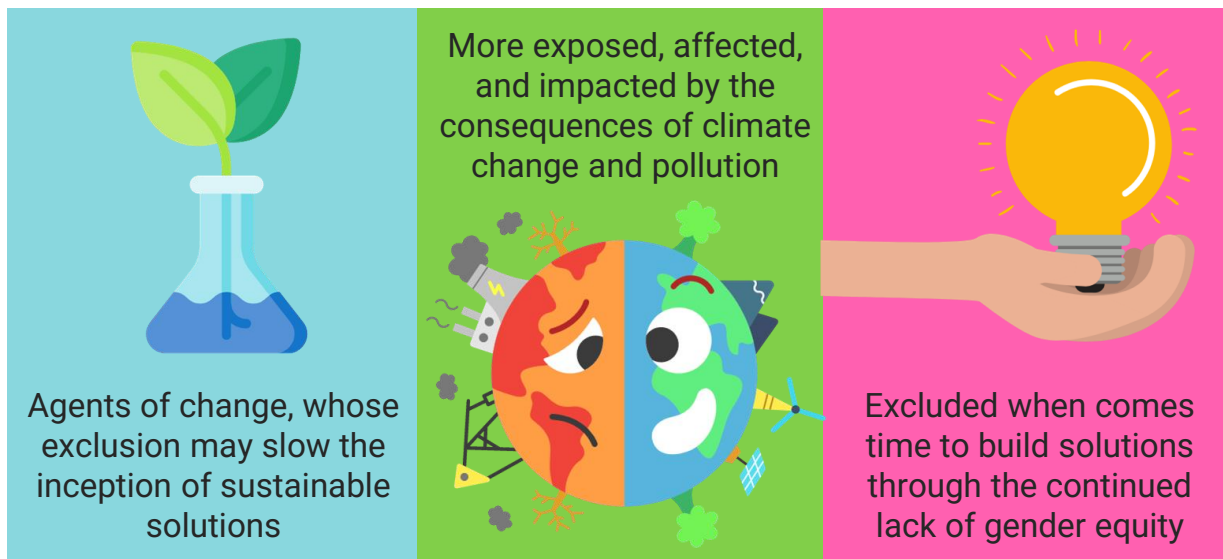


37



38

Women in Green Chemistry: Agents of Change



Osman-Elasha, B. Women...In the Shadow of Climate Change. UN Chronicle. <https://www.un.org/en/chronicle/article/womenin-shadow-climate-change>

39

39

Inspiring Mentorship and Sponsorship

Accelerate women's careers and provide them with the correct networks.

Influential mentor, sponsor, and "cheerleader" can strongly impact women's professional trajectories and support their progression.



Breaking the Barriers - Women's Retention and Progression in the Chemical Sciences; Royal Society of Chemistry (RSC), 2018. Ibarra, H. Keeping Women from Advancing into Leadership, 2019. <https://hbr.org/2019/08/a-lack-of-sponsorship-is-keeping-women-from-advancing-into-leadership>.

40

40

A Change in Intergeneration Dynamics



**Normalization of men as caregivers:
Recognition that all career paths should be open and available to everyone.**

Men accounted for **40%** of the total family caregivers in the US (2019).
Important aspect of achieving gender equity.

Fee, A.; McIlfrack, S.; Ryan, A. *Int. J. Older People Nurs.* **2020**, *15* (3), e12318. Martin, C. E. A New Wave of Caregivers: Men, 2019. New York Times. <https://www.nytimes.com/2019/09/18/opinion/male-care-giver.html>

41

41

#WomenOfGreenChemistry, GCI at UoFT

#WomenOfGreenChemistry

Giulia Fin **Marta Co** **Audrey M** **Mery**

WoCh **InTO**

Celebrating influential and inspiring women in green chemistry education, technology, and research

#WomenOfGreenChemistry. The Green Chemistry Initiative at the University of Toronto. <http://greenchemuoft.ca/>

42

42

Towards a Comprehensive Change

An approach including all marginalized scientists needed for a systemic change.



Addressing our environmental challenges requires promoting the advocacy and support of scientists from all backgrounds and parts of the world.

Urbina-Blanco, C. A. et al., *J. Am. Chem. Soc.* **2020**, *142* (34), 14393–14396.

43

43



44

44



Breaking Barriers and Building Bridges

Laura McConnell,
Regulatory Scientific Affairs
Bayer Crop Science



45



46



Prof. Frank Kinard



47

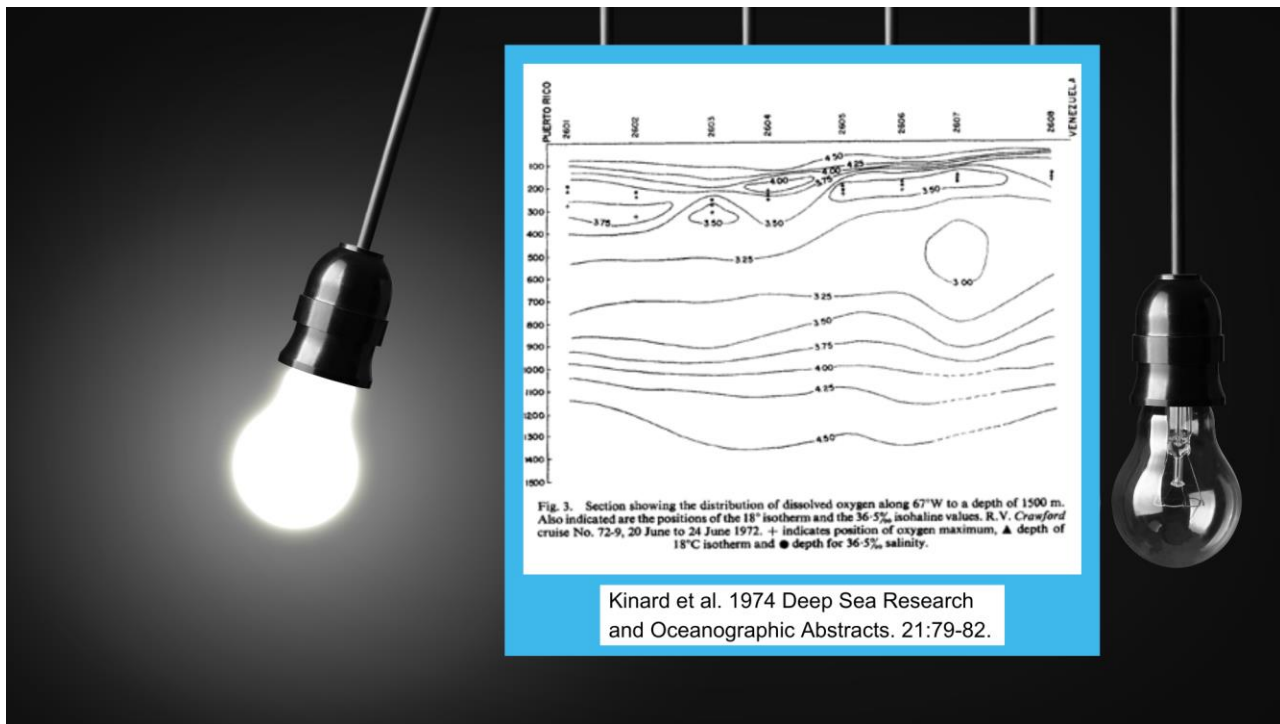


R.V. Crawford: Photo: Woods Hole Oceanographic Institute



Photo: Sabine Mecking, University of Washington

48



49



50



51

A collage of four images related to the Chesapeake Bay Watershed. The top-left image is a map titled "Chesapeake Bay Watershed" showing state boundaries and the bay's extent. The top-right image is a satellite view of the bay labeled "Landsat - Chesapeake Bay". The bottom-left image shows a crab in a grassy field, credited to "photo: Jay Lewis, Science News". The bottom-right image shows several oysters, credited to "photo: NOAA".

52



University

Government Industry



agrodiv.org

53



54



55

IUPAC Global Women's Breakfast

iupac.org/gwb



The American Chemical Society Celebrates the IUPAC Global Women's Breakfast
16 February 2022 – 10am Eastern Time

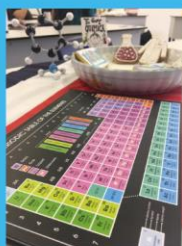
 Welton Batista Vice President, ACS Department Chair Michigan State University ACS President	 Moderator Dr. Rosalyn M. Pitt Executive Vice President ACS Division, Energy Inclusion & Talent	 Panelist Katherine Perry, M.D. Assistant Professor	 Panelist Mehmet Koculu, M.D. Principal Scientist Merck	 Panelist Kathleen Pinner, Ph.D. Distinguished Chair USC Viterbi
---	--	--	---	--

Register Today! <https://fal.csr3maxw>

Angewandte Chemie
Empowering Diversity in Science:
An African Perspective

Chemistry Europe
Wed, 16 Feb 2022
9 AM EST (UTC-5)
9 PM CET/WAT (UTC+1)
6 PM GMT (UTC+0)

 Prof. Cynthia Eban University of Nigeria Nsukka	 Dr. Lyllia Rhyman University of Mauritius	 Dr. Martine Odehinde Bristol Myers Squibb, USA
--	--	---



56



iupac.org/gwb

Feb. 14th
2023

GWB 2023

Breaking Barriers in Science



57



Be Curious!

Connect!

Build!

 @LauraLeeMc

 laura-l-mcconnell

58



www.acs.org/acswebinars



**THE LIVE Q&A IS
ABOUT TO BEGIN!**

Keep submitting your questions
in the questions window!

59

59



www.acs.org/acswebinars



ACS Webinars
CLICK • WATCH • LEARN • DISCUSS

TOMORROW!



Thurs., Feb. 9, 2023 | 2:00-3:00pm ET

**More Tips for Publishing in
ACS Journals**

Co-produced with ACS on Campus and ACS Publications

NEXT WEEK!



Wed., Feb. 15, 2023 | 2:00-3:00pm ET

**Being Seen, Heard, and Influencing
Chemistry as Black Women**

Co-produced with ACS Office of Diversity, Equity,
Inclusion & Respect

NEXT WEEK!



Thurs., Feb. 16, 2023 | 2:00-3:00pm ET

**Crossroads of Chemistry: Decisions,
Opportunities and Finding your Path**

Co-produced with ACS Committee on Science

Register for Free

Browse the Upcoming Schedule at www.acs.org/acswebinars

60

60



www.acs.org/acswebinars



Learn from the best and brightest minds in chemistry!

Hundreds of webinars on a wide range of topics relevant to chemistry professionals at all stages of their careers, presented by top experts in the chemical sciences and enterprise.



Edited Recordings

are an exclusive benefit for ACS Members with the Premium Package and can be accessed in the ACS Webinars® Library at www.acs.org/acswebinars



Live Broadcasts

of ACS Webinars® continue to be available free to the general public several times a week generally from 2-3pm ET. Visit www.acs.org/acswebinars to register* for upcoming webinars.

*Requires FREE ACS ID

61

61



www.acs.org/acswebinars



ACS Webinars® does not endorse any products or services. The views expressed in this presentation are those of the presenter and do not necessarily reflect the views or policies of the American Chemical Society.

Contact ACS Webinars® at acswebinars@acs.org



Mike Russell Erik

62

62