


# THE CAPITAL CHEMIST

*A Publication of the Chemical Society of Washington Section of the American Chemical Society*

## CSW Monthly Meeting - March 23, 2023, 6:00 p.m. ET

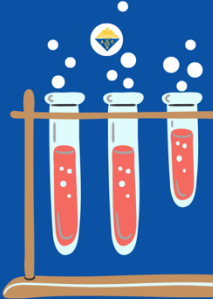
**CHEMISTRY: A GATEWAY TO BROADENING  
PARTICIPATION IN STEM**

Come for the  
announcement of the  
**College Chemistry  
Achievement Award  
2023 Recipients**  
and a talk about using  
chemistry for STEM outreach



Iris Wagstaff, PhD  
Founder and Executive Director,  
Wagstaff STEM Solutions

Hosted by the Chemical Society of Washington  
join us virtually on March 23rd, at 6:00PM ET



**Volume 73, Number 3**  
**March 2023**

### Inside this issue:

- Register to attend this month's virtual meeting
- Encourage participation in the CCEW Illustrated Poem Contest
- Submit a publication to be featured on our website and in our newsletter, and see recent submissions from other members
- Attend a wine tasting with the Senior Chemists Committee

At this month's CSW meeting on March 23rd, we're celebrating STEM students. Come to our virtual dinner meeting, where we'll celebrate the 2023 recipients of the CSW's College Chemistry Achievement Awards, an award that celebrates the exceptional chemistry and biochemistry students in the greater DC metro area.

After the awards, you're invited to hear from Iris Wagstaff, who has 20 years of experience developing and improving STEM outreach programs. On top of running her own STEM education and DEI consulting firm, she currently serves as a STEM Program Director at AAAS, where she manages a portfolio of initiatives focused on broadening participation in STEM, advancing innovation at HBCUs, and supporting low-income STEM students.

There is no charge to attend but you must register in advance: <https://tinyurl.com/yckf2zbn>

## Schedule of Events

- 6:00-6:20 p.m. ET Presentation of the 2023 College Chemistry Achievement Awards
- 6:20-7:00 p.m. ET Presentation, "Using Chemistry for STEM Outreach"

## Speaker Bio

Iris R. Wagstaff, PhD, is a chemist, educator, mentor, and STEM policy advisor. She is Founder and Executive Director of Wagstaff STEM Solutions—a STEM education and Diversity, Equity and Inclusion (DEI) consulting company. She has over 20 years of experience at both the K-12 and higher education levels leading STEM outreach efforts and developing informal science and chemistry programs in the community. She also has two decades of experience developing culturally relevant STEM curricula, coaching STEM teachers and faculty, and developing strategic partnerships between industry, academia, non-profits and government. She has a BS and MS in Chemistry, a PhD in science education research and policy, and has worked in all four sectors (industry, academia, government, non-profits).

She currently serves as a STEM Program Director at AAAS where she manages a portfolio of initiatives focused on broadening participation in STEM, advancing innovation at HBCUs, and supporting low-income STEM students. In this role, she is PI and C-PI on five NSF-funded grants totaling ~\$26 million dollars. Prior to AAAS,

she served as an AAAS Science and Technology Policy Fellow at the DOJ National Institute of Justice where she developed and led an agency-wide strategic diversity and inclusion initiative.

Dr. Wagstaff is also a social scientist whose research focuses on quantitative analyses to examine factors that predict motivational constructs in STEM (science self-efficacy, science identity, STEM career intent) in k-12 students. She is a native of Goldsboro, NC where she still leads middle school STEM outreach programs with her high school chemistry teacher. She serves on several advisory boards that include the National Assessment of Educational Progress (NAEP) Science Framework Steering Panel; National Organization of Black Chemists and Chemical Engineers (NOBCChE); American Chemical Society Diversity, Equity, Inclusion and Respect; and the HBCU STEM Undergraduate Success Research Center. She has received several honors that include the NOBCChE Presidential Award for Mentoring, NOBCChE Award for Excellence in Chemical Teaching, HBCU Alumni of the Year Award for Education, and the Women of Color in STEM Education Award.

## Chemists Celebrate Earth Week - April 16-23, 2023



Chemists Celebrate Earth Week (CCEW) is the week of April 16-22, 2023 with the theme, **“The Curious Chemistry of Amazing Algae.”** During CCEW, chemistry enthusiasts celebrate by coordinating events to communicate the importance of chemistry. Please let CSW know if you plan to organize and hold events for this important celebration.

Once again, this year CSW will host the local Illustrated Poem Contest for ACS. Students K-12 are highly encouraged to participate. The students need to submit their poems along with the entry form (<https://tinyurl.com/4kdh53c9>) to [csw@acs.org](mailto:csw@acs.org) no later than April 30, 2023, 11:59 pm ET. Incomplete entries will not be considered. Please read and follow the contest rules outlined in the flyer (<https://tinyurl.com/5n8dzu5m>) carefully.

All poem submissions will be judged at the local level first to be considered for the national contest. The local first-place winners will advance to the national contest for a chance to win cash prizes. ACS will award \$300 to the first place winners and \$150 to the second place national contest winners in each grade category! National contest winners will be announced in May.

You may visit <https://tinyurl.com/ytte88ka> to read more about this wonderful activity, and visit <https://tinyurl.com/mrawjbwc> to see last year's local winners.

# CSW Member Publication Submission



## CSW Member Publication Submission

We would like to highlight the work of CSW Members' accomplishments in terms of publications, book chapters, op-eds, reports, and presentations at local/national/international meetings. If you have such contributions, please complete the Google form using the link below.

Google Form: <https://forms.gle/zRhFLkRWMdPXoLXNA>

*Note that submission does not imply that your work is guaranteed to end up in the newsletter or website. We reserve the right to remove submissions that may be controversial or upsetting to others.*

## Selected Recent Publications from CSW Members

**Ericksen B.** Enhancement of the activity of the antimicrobial peptides HNP1 and LL-37 by bovine pancreatic ribonuclease A [version 2; peer review: 2 not approved]. F1000Research 2022, 11:933

Bhandari, S.D.; Gallegos-Peretz, T.; Wheat, T.; Jaudzems, G.; Kouznetsova, N.; Petrova, K.; Shah, D.; Hengst, D.; Vacha, E.; Lu, W.; Moore, J.C.; Metra, P.; **Xie, Z.** Amino Acid Fingerprinting of Authentic Nonfat Dry Milk and Skim Milk Powder and Effects of Spiking with Selected Potential Adulterants. Foods 2022, 11, 2868. <https://doi.org/10.3390/foods11182868>

Urbas AA, **Corbett CA**, Mazzola EP. NMR in forensics. Magn Reson Chem. 2023 Feb;61(2):59-65. doi: 10.1002/mrc.5312. Epub 2022 Oct 12. PMID: 36114596.

View the full list of submitted publications on the *Capital Chemist* website at <https://capitalchemist.org/2023/01/csw-recent-publications>.

# Love Wine and Chemistry?



Join the CSW's Senior Chemist Committee for a day of fine tannins and sparkling phenols (and some ethanol) at Maggie Malick Wine Caves

**When?**

11:00 AM to 1:00 PM on April 15, 2023.

**Where?**

Maggie Malick Wine Caves, LLC  
12138 Harpers Ferry Road  
Purcellville, VA



No cover charge!  
Flights cost \$10-14

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The **Chemical Society of Washington (CSW)** is the local ACS Chapter for the Washington, DC area and serves approximately 3,500 members.

### **2023 Officers**

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#### **Immediate Past President**

LaKesha Perry

#### **Secretary**

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#### **Treasurer**

Reyniak A. Richards

## CSW Calendar of Events

- March 14: Pi Day!
- March 20: CSW Board Meeting
- March 23: CSW Monthly Meeting
- April 15: Wine Tasting Event
- April 16-22: Chemists Celebrate Earth Week
- April 30: CCEW Illustrated Poem Contest deadline
- May 22: CSW Board Meeting
- September 18: CSW Board Meeting
- November 16: CSW Board Meeting